



BARGE "HSM 3320"

formerly the

BARGE "FMT 3320"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,101	0	2,203	0	3,304	0	4,406	0	5,507	0		0		0		0	
1/4	23	1/4	1,124	1/4	2,226	1/4	3,327	1/4	4,429	1/4	5,530	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,147	1/2	2,249	1/2	3,350	1/2	4,452	1/2	5,553	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,170	3/4	2,272	3/4	3,373	3/4	4,475	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,193	1	2,295	1	3,396	1	4,498	1		1		1		1		1	
1/4	115	1/4	1,216	1/4	2,318	1/4	3,419	1/4	4,521	1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,239	1/2	2,341	1/2	3,442	1/2	4,544	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,262	3/4	2,364	3/4	3,465	3/4	4,567	3/4		3/4		3/4		3/4		3/4	
2	184	2	1,285	2	2,387	2	3,488	2	4,589	2		2		2		2		2	
1/4	207	1/4	1,308	1/4	2,409	1/4	3,511	1/4	4,612	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,331	1/2	2,432	1/2	3,534	1/2	4,635	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,354	3/4	2,455	3/4	3,557	3/4	4,658	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,377	3	2,478	3	3,580	3	4,681	3		3		3		3		3	
1/4	298	1/4	1,400	1/4	2,501	1/4	3,603	1/4	4,704	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,423	1/2	2,524	1/2	3,626	1/2	4,727	1/2		1/2		1/2		1/2		1/2	
3/4	344	3/4	1,446	3/4	2,547	3/4	3,649	3/4	4,750	3/4		3/4		3/4		3/4		3/4	
4	367	4	1,469	4	2,570	4	3,672	4	4,773	4		4		4		4		4	
1/4	390	1/4	1,492	1/4	2,593	1/4	3,695	1/4	4,796	1/4		1/4		1/4		1/4		1/4	
1/2	413	1/2	1,515	1/2	2,616	1/2	3,717	1/2	4,819	1/2		1/2		1/2		1/2		1/2	
3/4	436	3/4	1,537	3/4	2,639	3/4	3,740	3/4	4,842	3/4		3/4		3/4		3/4		3/4	
5	459	5	1,560	5	2,662	5	3,763	5	4,865	5		5		5		5		5	
1/4	482	1/4	1,583	1/4	2,685	1/4	3,786	1/4	4,888	1/4		1/4		1/4		1/4		1/4	
1/2	505	1/2	1,606	1/2	2,708	1/2	3,809	1/2	4,911	1/2		1/2		1/2		1/2		1/2	
3/4	528	3/4	1,629	3/4	2,731	3/4	3,832	3/4	4,934	3/4		3/4		3/4		3/4		3/4	
6	551	6	1,652	6	2,754	6	3,855	6	4,957	6		6		6		6		6	
1/4	574	1/4	1,675	1/4	2,777	1/4	3,878	1/4	4,980	1/4		1/4		1/4		1/4		1/4	
1/2	597	1/2	1,698	1/2	2,800	1/2	3,901	1/2	5,003	1/2		1/2		1/2		1/2		1/2	
3/4	620	3/4	1,721	3/4	2,823	3/4	3,924	3/4	5,025	3/4		3/4		3/4		3/4		3/4	
7	643	7	1,744	7	2,845	7	3,947	7	5,048	7		7		7		7		7	
1/4	665	1/4	1,767	1/4	2,868	1/4	3,970	1/4	5,071	1/4		1/4		1/4		1/4		1/4	
1/2	688	1/2	1,790	1/2	2,891	1/2	3,993	1/2	5,094	1/2		1/2		1/2		1/2		1/2	
3/4	711	3/4	1,813	3/4	2,914	3/4	4,016	3/4	5,117	3/4		3/4		3/4		3/4		3/4	
8	734	8	1,836	8	2,937	8	4,039	8	5,140	8		8		8		8		8	
1/4	757	1/4	1,859	1/4	2,960	1/4	4,062	1/4	5,163	1/4		1/4		1/4		1/4		1/4	
1/2	780	1/2	1,882	1/2	2,983	1/2	4,085	1/2	5,186	1/2		1/2		1/2		1/2		1/2	
3/4	803	3/4	1,905	3/4	3,006	3/4	4,108	3/4	5,209	3/4		3/4		3/4		3/4		3/4	
9	826	9	1,928	9	3,029	9	4,131	9	5,232	9		9		9		9		9	
1/4	849	1/4	1,951	1/4	3,052	1/4	4,153	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	1,973	1/2	3,075	1/2	4,176	1/2	5,278	1/2		1/2		1/2		1/2		1/2	
3/4	895	3/4	1,996	3/4	3,098	3/4	4,199	3/4	5,301	3/4		3/4		3/4		3/4		3/4	
10	918	10	2,019	10	3,121	10	4,222	10	5,324	10		10		10		10		10	
1/4	941	1/4	2,042	1/4	3,144	1/4	4,245	1/4	5,347	1/4		1/4		1/4		1/4		1/4	
1/2	964	1/2	2,065	1/2	3,167	1/2	4,268	1/2	5,370	1/2		1/2		1/2		1/2		1/2	
3/4	987	3/4	2,088	3/4	3,190	3/4	4,291	3/4	5,393	3/4		3/4		3/4		3/4		3/4	
11	1,010	11	2,111	11	3,213	11	4,314	11	5,416	11		11		11		11		11	
1/4	1,033	1/4	2,134	1/4	3,236	1/4	4,337	1/4	5,439	1/4		1/4		1/4		1/4		1/4	
1/2	1,056	1/2	2,157	1/2	3,259	1/2	4,360	1/2	5,461	1/2		1/2		1/2		1/2		1/2	
3/4	1,079	3/4	2,180	3/4	3,281	3/4	4,383	3/4	5,484	3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 08/12/20 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the

BARGE "FMT 3320"

**STBD SLOP
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,101	0	2,203	0	3,304	0	4,406	0	5,507	0		0		0		0	
1/4	23	1/4	1,124	1/4	2,226	1/4	3,327	1/4	4,429	1/4	5,530	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,147	1/2	2,249	1/2	3,350	1/2	4,452	1/2	5,553	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,170	3/4	2,272	3/4	3,373	3/4	4,475	3/4	5,576	3/4		3/4		3/4		3/4	
1	92	1	1,193	1	2,295	1	3,396	1	4,498	1		1		1		1		1	
1/4	115	1/4	1,216	1/4	2,318	1/4	3,419	1/4	4,521	1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,239	1/2	2,341	1/2	3,442	1/2	4,544	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,262	3/4	2,364	3/4	3,465	3/4	4,567	3/4		3/4		3/4		3/4		3/4	
2	184	2	1,285	2	2,387	2	3,488	2	4,589	2		2		2		2		2	
1/4	207	1/4	1,308	1/4	2,409	1/4	3,511	1/4	4,612	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,331	1/2	2,432	1/2	3,534	1/2	4,635	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,354	3/4	2,455	3/4	3,557	3/4	4,658	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,377	3	2,478	3	3,580	3	4,681	3		3		3		3		3	
1/4	298	1/4	1,400	1/4	2,501	1/4	3,603	1/4	4,704	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,423	1/2	2,524	1/2	3,626	1/2	4,727	1/2		1/2		1/2		1/2		1/2	
3/4	344	3/4	1,446	3/4	2,547	3/4	3,649	3/4	4,750	3/4		3/4		3/4		3/4		3/4	
4	367	4	1,469	4	2,570	4	3,672	4	4,773	4		4		4		4		4	
1/4	390	1/4	1,492	1/4	2,593	1/4	3,695	1/4	4,796	1/4		1/4		1/4		1/4		1/4	
1/2	413	1/2	1,515	1/2	2,616	1/2	3,717	1/2	4,819	1/2		1/2		1/2		1/2		1/2	
3/4	436	3/4	1,537	3/4	2,639	3/4	3,740	3/4	4,842	3/4		3/4		3/4		3/4		3/4	
5	459	5	1,560	5	2,662	5	3,763	5	4,865	5		5		5		5		5	
1/4	482	1/4	1,583	1/4	2,685	1/4	3,786	1/4	4,888	1/4		1/4		1/4		1/4		1/4	
1/2	505	1/2	1,606	1/2	2,708	1/2	3,809	1/2	4,911	1/2		1/2		1/2		1/2		1/2	
3/4	528	3/4	1,629	3/4	2,731	3/4	3,832	3/4	4,934	3/4		3/4		3/4		3/4		3/4	
6	551	6	1,652	6	2,754	6	3,855	6	4,957	6		6		6		6		6	
1/4	574	1/4	1,675	1/4	2,777	1/4	3,878	1/4	4,980	1/4		1/4		1/4		1/4		1/4	
1/2	597	1/2	1,698	1/2	2,800	1/2	3,901	1/2	5,003	1/2		1/2		1/2		1/2		1/2	
3/4	620	3/4	1,721	3/4	2,823	3/4	3,924	3/4	5,025	3/4		3/4		3/4		3/4		3/4	
7	643	7	1,744	7	2,845	7	3,947	7	5,048	7		7		7		7		7	
1/4	665	1/4	1,767	1/4	2,868	1/4	3,970	1/4	5,071	1/4		1/4		1/4		1/4		1/4	
1/2	688	1/2	1,790	1/2	2,891	1/2	3,993	1/2	5,094	1/2		1/2		1/2		1/2		1/2	
3/4	711	3/4	1,813	3/4	2,914	3/4	4,016	3/4	5,117	3/4		3/4		3/4		3/4		3/4	
8	734	8	1,836	8	2,937	8	4,039	8	5,140	8		8		8		8		8	
1/4	757	1/4	1,859	1/4	2,960	1/4	4,062	1/4	5,163	1/4		1/4		1/4		1/4		1/4	
1/2	780	1/2	1,882	1/2	2,983	1/2	4,085	1/2	5,186	1/2		1/2		1/2		1/2		1/2	
3/4	803	3/4	1,905	3/4	3,006	3/4	4,108	3/4	5,209	3/4		3/4		3/4		3/4		3/4	
9	826	9	1,928	9	3,029	9	4,131	9	5,232	9		9		9		9		9	
1/4	849	1/4	1,951	1/4	3,052	1/4	4,153	1/4	5,255	1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	1,973	1/2	3,075	1/2	4,176	1/2	5,278	1/2		1/2		1/2		1/2		1/2	
3/4	895	3/4	1,996	3/4	3,098	3/4	4,199	3/4	5,301	3/4		3/4		3/4		3/4		3/4	
10	918	10	2,019	10	3,121	10	4,222	10	5,324	10		10		10		10		10	
1/4	941	1/4	2,042	1/4	3,144	1/4	4,245	1/4	5,347	1/4		1/4		1/4		1/4		1/4	
1/2	964	1/2	2,065	1/2	3,167	1/2	4,268	1/2	5,370	1/2		1/2		1/2		1/2		1/2	
3/4	987	3/4	2,088	3/4	3,190	3/4	4,291	3/4	5,393	3/4		3/4		3/4		3/4		3/4	
11	1,010	11	2,111	11	3,213	11	4,314	11	5,416	11		11		11		11		11	
1/4	1,033	1/4	2,134	1/4	3,236	1/4	4,337	1/4	5,439	1/4		1/4		1/4		1/4		1/4	
1/2	1,056	1/2	2,157	1/2	3,259	1/2	4,360	1/2	5,461	1/2		1/2		1/2		1/2		1/2	
3/4	1,079	3/4	2,180	3/4	3,281	3/4	4,383	3/4	5,484	3/4		3/4		3/4		3/4		3/4	

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STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the

BARGE "FMT 3320"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" STANDPIPE

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS

FWD. DRAFT	2'-00"	
AFT DRAFT	7'-00"	
DIFF.	5'-00"	(DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 12, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.62	0	290.25	0	624.09	0	964.33	0	1,305.56	0	1,647.60	0	1,989.65	0	2,331.70	0	2,673.74	0	3,015.75
1/4	17.53	1/4	296.83	1/4	631.21	1/4	971.40	1/4	1,312.68	1/4	1,654.73	1/4	1,996.78	1/4	2,338.83	1/4	2,680.87	1/4	3,022.88
1/2	20.44	1/2	303.42	1/2	638.34	1/2	978.47	1/2	1,319.81	1/2	1,661.86	1/2	2,003.90	1/2	2,345.95	1/2	2,687.99	1/2	3,030.00
3/4	23.36	3/4	310.00	3/4	645.46	3/4	985.53	3/4	1,326.93	3/4	1,668.98	3/4	2,011.03	3/4	2,353.08	3/4	2,695.12	3/4	3,037.13
1	26.27	1	316.59	1	652.59	1	992.60	1	1,334.06	1	1,676.11	1	2,018.16	1	2,360.20	1	2,702.24	1	3,044.25
1/4	31.05	1/4	323.26	1/4	659.71	1/4	999.66	1/4	1,341.19	1/4	1,683.23	1/4	2,025.28	1/4	2,367.33	1/4	2,709.37	1/4	3,051.37
1/2	35.82	1/2	329.92	1/2	666.84	1/2	1,006.73	1/2	1,348.31	1/2	1,690.36	1/2	2,032.41	1/2	2,374.46	1/2	2,716.49	1/2	3,058.50
3/4	40.60	3/4	336.59	3/4	673.97	3/4	1,013.79	3/4	1,355.44	3/4	1,697.49	3/4	2,039.53	3/4	2,381.58	3/4	2,723.62	3/4	3,065.62
2	45.38	2	343.26	2	681.09	2	1,020.86	2	1,362.56	2	1,704.61	2	2,046.66	2	2,388.71	2	2,730.75	2	3,072.74
1/4	51.09	1/4	350.01	1/4	688.22	1/4	1,027.93	1/4	1,369.69	1/4	1,711.74	1/4	2,053.79	1/4	2,395.83	1/4	2,737.87	1/4	3,079.87
1/2	56.81	1/2	356.76	1/2	695.34	1/2	1,035.01	1/2	1,376.82	1/2	1,718.86	1/2	2,060.91	1/2	2,402.96	1/2	2,745.00	1/2	3,086.99
3/4	62.52	3/4	363.51	3/4	702.47	3/4	1,042.08	3/4	1,383.94	3/4	1,725.99	3/4	2,068.04	3/4	2,410.09	3/4	2,752.12	3/4	3,094.11
3	68.24	3	370.26	3	709.59	3	1,049.16	3	1,391.07	3	1,733.12	3	2,075.16	3	2,417.21	3	2,759.25	3	3,101.24
1/4	74.06	1/4	377.10	1/4	716.72	1/4	1,056.25	1/4	1,398.19	1/4	1,740.24	1/4	2,082.29	1/4	2,424.34	1/4	2,766.37	1/4	3,108.36
1/2	79.89	1/2	383.93	1/2	723.85	1/2	1,063.34	1/2	1,405.32	1/2	1,747.37	1/2	2,089.42	1/2	2,431.46	1/2	2,773.50	1/2	3,115.48
3/4	85.71	3/4	390.77	3/4	730.97	3/4	1,070.43	3/4	1,412.45	3/4	1,754.49	3/4	2,096.54	3/4	2,438.59	3/4	2,780.62	3/4	3,122.61
4	91.54	4	397.60	4	738.10	4	1,077.52	4	1,419.57	4	1,761.62	4	2,103.67	4	2,445.72	4	2,787.75	4	3,129.73
1/4	97.45	1/4	404.52	1/4	745.19	1/4	1,084.65	1/4	1,426.70	1/4	1,768.75	1/4	2,110.79	1/4	2,452.84	1/4	2,794.87	1/4	3,136.86
1/2	103.37	1/2	411.44	1/2	752.28	1/2	1,091.78	1/2	1,433.82	1/2	1,775.87	1/2	2,117.92	1/2	2,459.97	1/2	2,802.00	1/2	3,143.98
3/4	109.29	3/4	418.36	3/4	759.37	3/4	1,098.90	3/4	1,440.95	3/4	1,783.00	3/4	2,125.05	3/4	2,467.09	3/4	2,809.13	3/4	3,151.10
5	115.21	5	425.27	5	766.47	5	1,106.03	5	1,448.08	5	1,790.12	5	2,132.17	5	2,474.22	5	2,816.25	5	3,158.23
1/4	121.21	1/4	432.27	1/4	773.54	1/4	1,113.15	1/4	1,455.20	1/4	1,797.25	1/4	2,139.30	1/4	2,481.35	1/4	2,823.38	1/4	3,165.35
1/2	127.21	1/2	439.26	1/2	780.61	1/2	1,120.28	1/2	1,462.33	1/2	1,804.38	1/2	2,146.42	1/2	2,488.47	1/2	2,830.50	1/2	3,172.47
3/4	133.21	3/4	446.26	3/4	787.69	3/4	1,127.41	3/4	1,469.45	3/4	1,811.50	3/4	2,153.55	3/4	2,495.60	3/4	2,837.63	3/4	3,179.60
6	139.21	6	453.26	6	794.76	6	1,134.53	6	1,476.58	6	1,818.63	6	2,160.68	6	2,502.72	6	2,844.75	6	3,186.72
1/4	145.30	1/4	460.34	1/4	801.83	1/4	1,141.66	1/4	1,483.71	1/4	1,825.75	1/4	2,167.80	1/4	2,509.85	1/4	2,851.88	1/4	3,193.84
1/2	151.38	1/2	467.41	1/2	808.89	1/2	1,148.78	1/2	1,490.83	1/2	1,832.88	1/2	2,174.93	1/2	2,516.98	1/2	2,859.00	1/2	3,200.97
3/4	157.47	3/4	474.49	3/4	815.96	3/4	1,155.91	3/4	1,497.96	3/4	1,840.01	3/4	2,182.05	3/4	2,524.10	3/4	2,866.13	3/4	3,208.09
7	163.55	7	481.57	7	823.02	7	1,163.04	7	1,505.08	7	1,847.13	7	2,189.18	7	2,531.23	7	2,873.25	7	3,215.22
1/4	169.72	1/4	488.70	1/4	830.09	1/4	1,170.16	1/4	1,512.21	1/4	1,854.26	1/4	2,196.31	1/4	2,538.35	1/4	2,880.38	1/4	3,222.34
1/2	175.89	1/2	495.82	1/2	837.15	1/2	1,177.29	1/2	1,519.34	1/2	1,861.38	1/2	2,203.43	1/2	2,545.48	1/2	2,887.50	1/2	3,229.46
3/4	182.06	3/4	502.95	3/4	844.22	3/4	1,184.41	3/4	1,526.46	3/4	1,868.51	3/4	2,210.56	3/4	2,552.61	3/4	2,894.63	3/4	3,236.59
8	188.23	8	510.07	8	851.28	8	1,191.54	8	1,533.59	8	1,875.64	8	2,217.68	8	2,559.73	8	2,901.76	8	3,243.71
1/4	194.48	1/4	517.20	1/4	858.35	1/4	1,198.67	1/4	1,540.71	1/4	1,882.76	1/4	2,224.81	1/4	2,566.86	1/4	2,908.88	1/4	3,250.83
1/2	200.73	1/2	524.33	1/2	865.42	1/2	1,205.79	1/2	1,547.84	1/2	1,889.89	1/2	2,231.94	1/2	2,573.98	1/2	2,916.01	1/2	3,257.96
3/4	206.98	3/4	531.45	3/4	872.48	3/4	1,212.92	3/4	1,554.97	3/4	1,897.01	3/4	2,239.06	3/4	2,581.11	3/4	2,923.13	3/4	3,265.08
9	213.23	9	538.58	9	879.55	9	1,220.04	9	1,562.09	9	1,904.14	9	2,246.19	9	2,588.24	9	2,930.26	9	3,272.20
1/4	219.57	1/4	545.70	1/4	886.61	1/4	1,227.17	1/4	1,569.22	1/4	1,911.27	1/4	2,253.31	1/4	2,595.36	1/4	2,937.38	1/4	3,279.33
1/2	225.90	1/2	552.83	1/2	893.68	1/2	1,234.30	1/2	1,576.34	1/2	1,918.39	1/2	2,260.44	1/2	2,602.49	1/2	2,944.51	1/2	3,286.45
3/4	232.24	3/4	559.95	3/4	900.74	3/4	1,241.42	3/4	1,583.47	3/4	1,925.52	3/4	2,267.57	3/4	2,609.61	3/4	2,951.63	3/4	3,293.57
10	238.57	10	567.08	10	907.81	10	1,248.55	10	1,590.60	10	1,932.64	10	2,274.69	10	2,616.74	10	2,958.76	10	3,300.70
1/4	244.99	1/4	574.21	1/4	914.87	1/4	1,255.67	1/4	1,597.72	1/4	1,939.77	1/4	2,281.82	1/4	2,623.86	1/4	2,965.88	1/4	3,307.82
1/2	251.41	1/2	581.33	1/2	921.94	1/2	1,262.80	1/2	1,604.85	1/2	1,946.90	1/2	2,288.94	1/2	2,630.99	1/2	2,973.01	1/2	3,314.95
3/4	257.83	3/4	588.46	3/4	929.01	3/4	1,269.93	3/4	1,611.97	3/4	1,954.02	3/4	2,296.07	3/4	2,638.12	3/4	2,980.13	3/4	3,322.07
11	264.24	11	595.58	11	936.07	11	1,277.05	11	1,619.10	11	1,961.15	11	2,303.20	11	2,645.24	11	2,987.26	11	3,329.19
1/4	270.75	1/4	602.71	1/4	943.14	1/4	1,284.18	1/4	1,626.23	1/4	1,968.27	1/4	2,310.32	1/4	2,652.37	1/4	2,994.38	1/4	3,336.32
1/2	277.25	1/2	609.83	1/2	950.20	1/2	1,291.30	1/2	1,633.35	1/2	1,975.40	1/2	2,317.45	1/2	2,659.49	1/2	3,001.51	1/2	3,343.44
3/4	283.75	3/4	616.96	3/4	957.27	3/4	1,298.43	3/4	1,640.48	3/4	1,982.53	3/4	2,324.57	3/4	2,666.62	3/4	3,008.63	3/4	3,350.56

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

1 PORT **INNAGE TABLE** **HERMETIC** **GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,357.69	0	3,699.64	0	4,041.67	0	4,383.04	0	4,723.50	0		0		0		0		0	
1/4	3,364.81	1/4	3,706.77	1/4	4,048.79	1/4	4,390.13	1/4	4,730.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,371.93	1/2	3,713.89	1/2	4,055.92	1/2	4,397.23	1/2	4,737.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,379.06	3/4	3,721.02	3/4	4,063.04	3/4	4,404.32	3/4	4,744.78	3/4		3/4		3/4		3/4		3/4	
1	3,386.18	1	3,728.14	1	4,070.17	1	4,411.41	1	4,751.88	1		1		1		1		1	
1/4	3,393.31	1/4	3,735.27	1/4	4,077.29	1/4	4,418.51	1/4	4,758.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,400.43	1/2	3,742.40	1/2	4,084.42	1/2	4,425.60	1/2	4,766.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,407.55	3/4	3,749.52	3/4	4,091.55	3/4	4,432.69	3/4	4,773.16	3/4		3/4		3/4		3/4		3/4	
2	3,414.68	2	3,756.65	2	4,098.67	2	4,439.78	2	4,780.25	2		2		2		2		2	
1/4	3,421.80	1/4	3,763.77	1/4	4,105.80	1/4	4,446.88	1/4	4,787.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,428.92	1/2	3,770.90	1/2	4,112.92	1/2	4,453.97	1/2	4,794.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,436.05	3/4	3,778.02	3/4	4,120.05	3/4	4,461.06	3/4	4,801.53	3/4		3/4		3/4		3/4		3/4	
3	3,443.17	3	3,785.15	3	4,127.17	3	4,468.16	3	4,808.62	3		3		3		3		3	
1/4	3,450.29	1/4	3,792.27	1/4	4,134.30	1/4	4,475.25	1/4	4,815.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.42	1/2	3,799.40	1/2	4,141.42	1/2	4,482.34	1/2	4,822.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.54	3/4	3,806.53	3/4	4,148.55	3/4	4,489.44	3/4	4,829.77	3/4		3/4		3/4		3/4		3/4	
4	3,471.66	4	3,813.65	4	4,155.67	4	4,496.53	4	4,836.81	4		4		4		4		4	
1/4	3,478.79	1/4	3,820.78	1/4	4,162.80	1/4	4,503.62	1/4	4,843.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.91	1/2	3,827.90	1/2	4,169.93	1/2	4,510.71	1/2	4,850.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.04	3/4	3,835.03	3/4	4,177.05	3/4	4,517.81	3/4	4,857.96	3/4		3/4		3/4		3/4		3/4	
5	3,500.16	5	3,842.15	5	4,184.18	5	4,524.90	5	4,865.01	5		5		5		5		5	
1/4	3,507.28	1/4	3,849.28	1/4	4,191.30	1/4	4,531.99	1/4	4,872.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.41	1/2	3,856.40	1/2	4,198.43	1/2	4,539.09	1/2	4,879.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.53	3/4	3,863.53	3/4	4,205.55	3/4	4,546.18	3/4	4,886.15	3/4		3/4		3/4		3/4		3/4	
6	3,528.65	6	3,870.65	6	4,212.68	6	4,553.27	6	4,893.20	6		6		6		6		6	
1/4	3,535.78	1/4	3,877.78	1/4	4,219.80	1/4	4,560.37	1/4	4,900.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.90	1/2	3,884.91	1/2	4,226.93	1/2	4,567.46	1/2	4,907.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.02	3/4	3,892.03	3/4	4,234.06	3/4	4,574.55	3/4	4,914.30	3/4		3/4		3/4		3/4		3/4	
7	3,557.15	7	3,899.16	7	4,241.18	7	4,581.64	7	4,921.33	7		7		7		7		7	
1/4	3,564.27	1/4	3,906.28	1/4	4,248.27	1/4	4,588.74	1/4	4,928.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.40	1/2	3,913.41	1/2	4,255.37	1/2	4,595.83	1/2	4,935.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.52	3/4	3,920.53	3/4	4,262.46	3/4	4,602.92	3/4	4,942.27	3/4		3/4		3/4		3/4		3/4	
8	3,585.64	8	3,927.66	8	4,269.55	8	4,610.02	8	4,949.25	8		8		8		8		8	
1/4	3,592.77	1/4	3,934.78	1/4	4,276.65	1/4	4,617.11	1/4	4,955.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,599.89	1/2	3,941.91	1/2	4,283.74	1/2	4,624.20	1/2	4,961.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.01	3/4	3,949.04	3/4	4,290.83	3/4	4,631.30	3/4	4,967.72	3/4		3/4		3/4		3/4		3/4	
9	3,614.14	9	3,956.16	9	4,297.92	9	4,638.39	9	4,973.88	9		9		9		9		9	
1/4	3,621.26	1/4	3,963.29	1/4	4,305.02	1/4	4,645.48	1/4	4,978.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.39	1/2	3,970.41	1/2	4,312.11	1/2	4,652.57	1/2	4,983.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.51	3/4	3,977.54	3/4	4,319.20	3/4	4,659.67	3/4	4,988.79	3/4		3/4		3/4		3/4		3/4	
10	3,642.64	10	3,984.66	10	4,326.30	10	4,666.76	10	4,993.76	10		10		10		10		10	
1/4	3,649.76	1/4	3,991.79	1/4	4,333.39	1/4	4,673.85	1/4	4,997.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,656.89	1/2	3,998.91	1/2	4,340.48	1/2	4,680.95	1/2	5,001.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.02	3/4	4,006.04	3/4	4,347.58	3/4	4,688.04	3/4	5,005.11	3/4		3/4		3/4		3/4		3/4	
11	3,671.14	11	4,013.16	11	4,354.67	11	4,695.13	11	5,008.89	11		11		11		11		11	
1/4	3,678.27	1/4	4,020.29	1/4	4,361.76	1/4	4,702.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.39	1/2	4,027.42	1/2	4,368.85	1/2	4,709.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.52	3/4	4,034.54	3/4	4,375.95	3/4	4,716.41	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.65	0	290.96	0	625.69	0	968.40	0	1,311.25	0	1,654.18	0	1,997.12	0	2,340.05	0	2,682.97	0	3,025.87
1/4	17.57	1/4	297.56	1/4	632.83	1/4	975.53	1/4	1,318.40	1/4	1,661.33	1/4	2,004.26	1/4	2,347.19	1/4	2,690.12	1/4	3,033.01
1/2	20.49	1/2	304.16	1/2	639.98	1/2	982.67	1/2	1,325.54	1/2	1,668.47	1/2	2,011.40	1/2	2,354.34	1/2	2,697.26	1/2	3,040.15
3/4	23.41	3/4	310.76	3/4	647.12	3/4	989.80	3/4	1,332.69	3/4	1,675.62	3/4	2,018.55	3/4	2,361.48	3/4	2,704.41	3/4	3,047.29
1	26.33	1	317.36	1	654.27	1	996.94	1	1,339.83	1	1,682.76	1	2,025.69	1	2,368.62	1	2,711.55	1	3,054.44
1/4	31.12	1/4	324.05	1/4	661.41	1/4	1,004.07	1/4	1,346.98	1/4	1,689.91	1/4	2,032.84	1/4	2,375.77	1/4	2,718.69	1/4	3,061.58
1/2	35.91	1/2	330.73	1/2	668.55	1/2	1,011.21	1/2	1,354.12	1/2	1,697.05	1/2	2,039.98	1/2	2,382.91	1/2	2,725.84	1/2	3,068.72
3/4	40.70	3/4	337.42	3/4	675.70	3/4	1,018.34	3/4	1,361.26	3/4	1,704.20	3/4	2,047.13	3/4	2,390.06	3/4	2,732.98	3/4	3,075.86
2	45.48	2	344.10	2	682.84	2	1,025.48	2	1,368.41	2	1,711.34	2	2,054.27	2	2,397.20	2	2,740.12	2	3,083.00
1/4	51.21	1/4	350.87	1/4	689.99	1/4	1,032.62	1/4	1,375.55	1/4	1,718.48	1/4	2,061.42	1/4	2,404.35	1/4	2,747.27	1/4	3,090.15
1/2	56.94	1/2	357.64	1/2	697.13	1/2	1,039.77	1/2	1,382.70	1/2	1,725.63	1/2	2,068.56	1/2	2,411.49	1/2	2,754.41	1/2	3,097.29
3/4	62.67	3/4	364.41	3/4	704.27	3/4	1,046.91	3/4	1,389.84	3/4	1,732.77	3/4	2,075.70	3/4	2,418.64	3/4	2,761.56	3/4	3,104.43
3	68.40	3	371.17	3	711.42	3	1,054.06	3	1,396.99	3	1,739.92	3	2,082.85	3	2,425.78	3	2,768.70	3	3,111.57
1/4	74.24	1/4	378.03	1/4	718.56	1/4	1,061.20	1/4	1,404.13	1/4	1,747.06	1/4	2,089.99	1/4	2,432.92	1/4	2,775.84	1/4	3,118.71
1/2	80.08	1/2	384.88	1/2	725.71	1/2	1,068.34	1/2	1,411.28	1/2	1,754.21	1/2	2,097.14	1/2	2,440.07	1/2	2,782.99	1/2	3,125.86
3/4	85.92	3/4	391.73	3/4	732.85	3/4	1,075.49	3/4	1,418.42	3/4	1,761.35	3/4	2,104.28	3/4	2,447.21	3/4	2,790.13	3/4	3,133.00
4	91.76	4	398.58	4	739.99	4	1,082.63	4	1,425.56	4	1,768.50	4	2,111.43	4	2,454.36	4	2,797.27	4	3,140.14
1/4	97.69	1/4	405.52	1/4	747.14	1/4	1,089.78	1/4	1,432.71	1/4	1,775.64	1/4	2,118.57	1/4	2,461.50	1/4	2,804.42	1/4	3,147.28
1/2	103.62	1/2	412.45	1/2	754.28	1/2	1,096.92	1/2	1,439.85	1/2	1,782.78	1/2	2,125.72	1/2	2,468.65	1/2	2,811.56	1/2	3,154.42
3/4	109.55	3/4	419.39	3/4	761.43	3/4	1,104.07	3/4	1,447.00	3/4	1,789.93	3/4	2,132.86	3/4	2,475.79	3/4	2,818.71	3/4	3,161.57
5	115.48	5	426.32	5	768.57	5	1,111.21	5	1,454.14	5	1,797.07	5	2,140.00	5	2,482.94	5	2,825.85	5	3,168.71
1/4	121.50	1/4	433.34	1/4	775.71	1/4	1,118.36	1/4	1,461.29	1/4	1,804.22	1/4	2,147.15	1/4	2,490.08	1/4	2,832.99	1/4	3,175.85
1/2	127.51	1/2	440.36	1/2	782.86	1/2	1,125.50	1/2	1,468.43	1/2	1,811.36	1/2	2,154.29	1/2	2,497.22	1/2	2,840.14	1/2	3,182.99
3/4	133.53	3/4	447.38	3/4	790.00	3/4	1,132.64	3/4	1,475.57	3/4	1,818.51	3/4	2,161.44	3/4	2,504.37	3/4	2,847.28	3/4	3,190.13
6	139.55	6	454.40	6	797.15	6	1,139.79	6	1,482.72	6	1,825.65	6	2,168.58	6	2,511.51	6	2,854.42	6	3,197.28
1/4	145.65	1/4	461.50	1/4	804.28	1/4	1,146.93	1/4	1,489.86	1/4	1,832.79	1/4	2,175.73	1/4	2,518.66	1/4	2,861.57	1/4	3,204.42
1/2	151.75	1/2	468.60	1/2	811.42	1/2	1,154.08	1/2	1,497.01	1/2	1,839.94	1/2	2,182.87	1/2	2,525.80	1/2	2,868.71	1/2	3,211.56
3/4	157.85	3/4	475.70	3/4	818.55	3/4	1,161.22	3/4	1,504.15	3/4	1,847.08	3/4	2,190.01	3/4	2,532.95	3/4	2,875.86	3/4	3,218.70
7	163.95	7	482.81	7	825.69	7	1,168.37	7	1,511.30	7	1,854.23	7	2,197.16	7	2,540.09	7	2,883.00	7	3,225.84
1/4	170.13	1/4	489.95	1/4	832.82	1/4	1,175.51	1/4	1,518.44	1/4	1,861.37	1/4	2,204.30	1/4	2,547.24	1/4	2,890.14	1/4	3,232.99
1/2	176.31	1/2	497.09	1/2	839.96	1/2	1,182.65	1/2	1,525.59	1/2	1,868.52	1/2	2,211.45	1/2	2,554.38	1/2	2,897.29	1/2	3,240.13
3/4	182.50	3/4	504.24	3/4	847.09	3/4	1,189.80	3/4	1,532.73	3/4	1,875.66	3/4	2,218.59	3/4	2,561.52	3/4	2,904.43	3/4	3,247.27
8	188.68	8	511.38	8	854.23	8	1,196.94	8	1,539.87	8	1,882.81	8	2,225.74	8	2,568.67	8	2,911.58	8	3,254.41
1/4	194.95	1/4	518.53	1/4	861.36	1/4	1,204.09	1/4	1,547.02	1/4	1,889.95	1/4	2,232.88	1/4	2,575.81	1/4	2,918.72	1/4	3,261.55
1/2	201.21	1/2	525.67	1/2	868.50	1/2	1,211.23	1/2	1,554.16	1/2	1,897.09	1/2	2,240.03	1/2	2,582.96	1/2	2,925.86	1/2	3,268.70
3/4	207.48	3/4	532.82	3/4	875.63	3/4	1,218.38	3/4	1,561.31	3/4	1,904.24	3/4	2,247.17	3/4	2,590.10	3/4	2,933.01	3/4	3,275.84
9	213.75	9	539.96	9	882.77	9	1,225.52	9	1,568.45	9	1,911.38	9	2,254.31	9	2,597.25	9	2,940.15	9	3,282.98
1/4	220.10	1/4	547.10	1/4	889.91	1/4	1,232.67	1/4	1,575.60	1/4	1,918.53	1/4	2,261.46	1/4	2,604.39	1/4	2,947.29	1/4	3,290.12
1/2	226.45	1/2	554.25	1/2	897.04	1/2	1,239.81	1/2	1,582.74	1/2	1,925.67	1/2	2,268.60	1/2	2,611.53	1/2	2,954.44	1/2	3,297.26
3/4	232.80	3/4	561.39	3/4	904.18	3/4	1,246.95	3/4	1,589.89	3/4	1,932.82	3/4	2,275.75	3/4	2,618.68	3/4	2,961.58	3/4	3,304.41
10	239.15	10	568.54	10	911.31	10	1,254.10	10	1,597.03	10	1,939.96	10	2,282.89	10	2,625.82	10	2,968.73	10	3,311.55
1/4	245.58	1/4	575.68	1/4	918.45	1/4	1,261.24	1/4	1,604.17	1/4	1,947.11	1/4	2,290.04	1/4	2,632.97	1/4	2,975.87	1/4	3,318.69
1/2	252.02	1/2	582.82	1/2	925.58	1/2	1,268.39	1/2	1,611.32	1/2	1,954.25	1/2	2,297.18	1/2	2,640.11	1/2	2,983.01	1/2	3,325.83
3/4	258.45	3/4	589.97	3/4	932.72	3/4	1,275.53	3/4	1,618.46	3/4	1,961.39	3/4	2,304.33	3/4	2,647.25	3/4	2,990.16	3/4	3,332.97
11	264.89	11	597.11	11	939.85	11	1,282.68	11	1,625.61	11	1,968.54	11	2,311.47	11	2,654.40	11	2,997.30	11	3,340.12
1/4	271.40	1/4	604.26	1/4	946.99	1/4	1,289.82	1/4	1,632.75	1/4	1,975.68	1/4	2,318.61	1/4	2,661.54	1/4	3,004.44	1/4	3,347.26
1/2	277.92	1/2	611.40	1/2	954.13	1/2	1,296.97	1/2	1,639.90	1/2	1,982.83	1/2	2,325.76	1/2	2,668.69	1/2	3,011.58	1/2	3,354.40
3/4	284.44	3/4	618.54	3/4	961.26	3/4	1,304.11	3/4	1,647.04	3/4	1,989.97	3/4	2,332.90	3/4	2,675.83	3/4	3,018.73	3/4	3,361.54

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

The Shuman



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

1 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,368.68	0	3,711.52	0	4,054.43	0	4,396.69	0	4,738.03	0		0		0		0		0	
1/4	3,375.83	1/4	3,718.67	1/4	4,061.57	1/4	4,403.80	1/4	4,745.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,382.97	1/2	3,725.81	1/2	4,068.72	1/2	4,410.91	1/2	4,752.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.11	3/4	3,732.96	3/4	4,075.86	3/4	4,418.02	3/4	4,759.36	3/4		3/4		3/4		3/4		3/4	
1	3,397.25	1	3,740.10	1	4,083.01	1	4,425.13	1	4,766.47	1		1		1		1		1	
1/4	3,404.39	1/4	3,747.24	1/4	4,090.15	1/4	4,432.24	1/4	4,773.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,411.54	1/2	3,754.39	1/2	4,097.29	1/2	4,439.35	1/2	4,780.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,418.68	3/4	3,761.53	3/4	4,104.44	3/4	4,446.47	3/4	4,787.81	3/4		3/4		3/4		3/4		3/4	
2	3,425.82	2	3,768.67	2	4,111.58	2	4,453.58	2	4,794.92	2		2		2		2		2	
1/4	3,432.96	1/4	3,775.82	1/4	4,118.73	1/4	4,460.69	1/4	4,802.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.10	1/2	3,782.96	1/2	4,125.87	1/2	4,467.80	1/2	4,809.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.25	3/4	3,790.11	3/4	4,133.01	3/4	4,474.91	3/4	4,816.25	3/4		3/4		3/4		3/4		3/4	
3	3,454.39	3	3,797.25	3	4,140.16	3	4,482.02	3	4,823.36	3		3		3		3		3	
1/4	3,461.53	1/4	3,804.39	1/4	4,147.30	1/4	4,489.13	1/4	4,830.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.67	1/2	3,811.54	1/2	4,154.45	1/2	4,496.24	1/2	4,837.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.81	3/4	3,818.68	3/4	4,161.59	3/4	4,503.36	3/4	4,844.56	3/4		3/4		3/4		3/4		3/4	
4	3,482.96	4	3,825.83	4	4,168.73	4	4,510.47	4	4,851.63	4		4		4		4		4	
1/4	3,490.10	1/4	3,832.97	1/4	4,175.88	1/4	4,517.58	1/4	4,858.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.24	1/2	3,840.11	1/2	4,183.02	1/2	4,524.69	1/2	4,865.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.38	3/4	3,847.26	3/4	4,190.17	3/4	4,531.80	3/4	4,872.83	3/4		3/4		3/4		3/4		3/4	
5	3,511.52	5	3,854.40	5	4,197.31	5	4,538.91	5	4,879.90	5		5		5		5		5	
1/4	3,518.67	1/4	3,861.55	1/4	4,204.45	1/4	4,546.02	1/4	4,886.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.81	1/2	3,868.69	1/2	4,211.60	1/2	4,553.13	1/2	4,894.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,532.95	3/4	3,875.83	3/4	4,218.74	3/4	4,560.25	3/4	4,901.09	3/4		3/4		3/4		3/4		3/4	
6	3,540.09	6	3,882.98	6	4,225.88	6	4,567.36	6	4,908.16	6		6		6		6		6	
1/4	3,547.23	1/4	3,890.12	1/4	4,233.03	1/4	4,574.47	1/4	4,915.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.38	1/2	3,897.27	1/2	4,240.17	1/2	4,581.58	1/2	4,922.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.52	3/4	3,904.41	3/4	4,247.32	3/4	4,588.69	3/4	4,929.31	3/4		3/4		3/4		3/4		3/4	
7	3,568.66	7	3,911.55	7	4,254.46	7	4,595.80	7	4,936.36	7		7		7		7		7	
1/4	3,575.80	1/4	3,918.70	1/4	4,261.57	1/4	4,602.91	1/4	4,943.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.94	1/2	3,925.84	1/2	4,268.68	1/2	4,610.03	1/2	4,950.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.09	3/4	3,932.98	3/4	4,275.79	3/4	4,617.14	3/4	4,957.36	3/4		3/4		3/4		3/4		3/4	
8	3,597.23	8	3,940.13	8	4,282.91	8	4,624.25	8	4,964.35	8		8		8		8		8	
1/4	3,604.37	1/4	3,947.27	1/4	4,290.02	1/4	4,631.36	1/4	4,970.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,611.51	1/2	3,954.42	1/2	4,297.13	1/2	4,638.47	1/2	4,976.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.65	3/4	3,961.56	3/4	4,304.24	3/4	4,645.58	3/4	4,982.87	3/4		3/4		3/4		3/4		3/4	
9	3,625.80	9	3,968.70	9	4,311.35	9	4,652.69	9	4,989.05	9		9		9		9		9	
1/4	3,632.94	1/4	3,975.85	1/4	4,318.46	1/4	4,659.80	1/4	4,994.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.08	1/2	3,982.99	1/2	4,325.57	1/2	4,666.92	1/2	4,999.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.23	3/4	3,990.14	3/4	4,332.68	3/4	4,674.03	3/4	5,003.99	3/4		3/4		3/4		3/4		3/4	
10	3,654.37	10	3,997.28	10	4,339.80	10	4,681.14	10	5,008.98	10		10		10		10		10	
1/4	3,661.52	1/4	4,004.42	1/4	4,346.91	1/4	4,688.25	1/4	5,012.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.66	1/2	4,011.57	1/2	4,354.02	1/2	4,695.36	1/2	5,016.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.80	3/4	4,018.71	3/4	4,361.13	3/4	4,702.47	3/4	5,020.35	3/4		3/4		3/4		3/4		3/4	
11	3,682.95	11	4,025.86	11	4,368.24	11	4,709.58	11	5,024.14	11		11		11		11		11	
1/4	3,690.09	1/4	4,033.00	1/4	4,375.35	1/4	4,716.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.24	1/2	4,040.14	1/2	4,382.46	1/2	4,723.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.38	3/4	4,047.29	3/4	4,389.57	3/4	4,730.92	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

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PRECISION MEASUREMENT
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BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 PORT INNAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05 3/8"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.70	0	344.28	0	688.39	0	1,022.78	0	1,362.10	0	1,706.23	0	2,050.36	0	2,394.48	0	2,738.61	0	3,082.73
1/4	19.18	1/4	351.45	1/4	695.56	1/4	1,029.64	1/4	1,369.27	1/4	1,713.40	1/4	2,057.52	1/4	2,401.65	1/4	2,745.78	1/4	3,089.89
1/2	23.67	1/2	358.62	1/2	702.73	1/2	1,036.50	1/2	1,376.44	1/2	1,720.57	1/2	2,064.69	1/2	2,408.82	1/2	2,752.95	1/2	3,097.06
3/4	28.15	3/4	365.79	3/4	709.90	3/4	1,043.36	3/4	1,383.61	3/4	1,727.74	3/4	2,071.86	3/4	2,415.99	3/4	2,760.12	3/4	3,104.23
1	32.63	1	372.96	1	717.07	1	1,050.22	1	1,390.78	1	1,734.91	1	2,079.03	1	2,423.16	1	2,767.29	1	3,111.40
1/4	38.90	1/4	380.12	1/4	724.24	1/4	1,057.08	1/4	1,397.95	1/4	1,742.08	1/4	2,086.20	1/4	2,430.33	1/4	2,774.45	1/4	3,118.56
1/2	45.17	1/2	387.29	1/2	731.41	1/2	1,063.94	1/2	1,405.12	1/2	1,749.25	1/2	2,093.37	1/2	2,437.50	1/2	2,781.62	1/2	3,125.73
3/4	51.44	3/4	394.46	3/4	738.57	3/4	1,070.80	3/4	1,412.29	3/4	1,756.41	3/4	2,100.54	3/4	2,444.67	3/4	2,788.79	3/4	3,132.90
2	57.71	2	401.63	2	745.74	2	1,077.66	2	1,419.46	2	1,763.58	2	2,107.71	2	2,451.84	2	2,795.96	2	3,140.06
1/4	64.84	1/4	408.80	1/4	752.91	1/4	1,084.53	1/4	1,426.63	1/4	1,770.75	1/4	2,114.88	1/4	2,459.01	1/4	2,803.13	1/4	3,147.23
1/2	71.98	1/2	415.97	1/2	760.08	1/2	1,091.40	1/2	1,433.80	1/2	1,777.92	1/2	2,122.05	1/2	2,466.18	1/2	2,810.30	1/2	3,154.40
3/4	79.11	3/4	423.14	3/4	767.25	3/4	1,098.27	3/4	1,440.97	3/4	1,785.09	3/4	2,129.22	3/4	2,473.34	3/4	2,817.47	3/4	3,161.57
3	86.24	3	430.31	3	774.42	3	1,105.14	3	1,448.13	3	1,792.26	3	2,136.39	3	2,480.51	3	2,824.64	3	3,168.73
1/4	93.40	1/4	437.48	1/4	781.59	1/4	1,112.03	1/4	1,455.30	1/4	1,799.43	1/4	2,143.56	1/4	2,487.68	1/4	2,831.81	1/4	3,175.90
1/2	100.56	1/2	444.65	1/2	788.76	1/2	1,118.91	1/2	1,462.47	1/2	1,806.60	1/2	2,150.73	1/2	2,494.85	1/2	2,838.98	1/2	3,183.07
3/4	107.72	3/4	451.81	3/4	795.93	3/4	1,125.80	3/4	1,469.64	3/4	1,813.77	3/4	2,157.90	3/4	2,502.02	3/4	2,846.15	3/4	3,190.23
4	114.88	4	458.98	4	803.10	4	1,132.69	4	1,476.81	4	1,820.94	4	2,165.06	4	2,509.19	4	2,853.32	4	3,197.40
1/4	122.04	1/4	466.15	1/4	809.98	1/4	1,139.85	1/4	1,483.98	1/4	1,828.11	1/4	2,172.23	1/4	2,516.36	1/4	2,860.49	1/4	3,204.57
1/2	129.21	1/2	473.32	1/2	816.87	1/2	1,147.02	1/2	1,491.15	1/2	1,835.28	1/2	2,179.40	1/2	2,523.53	1/2	2,867.66	1/2	3,211.74
3/4	136.38	3/4	480.49	3/4	823.75	3/4	1,154.19	3/4	1,498.32	3/4	1,842.45	3/4	2,186.57	3/4	2,530.70	3/4	2,874.83	3/4	3,218.90
5	143.55	5	487.66	5	830.64	5	1,161.36	5	1,505.49	5	1,849.62	5	2,193.74	5	2,537.87	5	2,881.99	5	3,226.07
1/4	150.72	1/4	494.83	1/4	837.51	1/4	1,168.53	1/4	1,512.66	1/4	1,856.78	1/4	2,200.91	1/4	2,545.04	1/4	2,889.16	1/4	3,233.24
1/2	157.89	1/2	502.00	1/2	844.38	1/2	1,175.70	1/2	1,519.83	1/2	1,863.95	1/2	2,208.08	1/2	2,552.21	1/2	2,896.33	1/2	3,240.40
3/4	165.05	3/4	509.17	3/4	851.25	3/4	1,182.87	3/4	1,527.00	3/4	1,871.12	3/4	2,215.25	3/4	2,559.38	3/4	2,903.50	3/4	3,247.57
6	172.22	6	516.34	6	858.12	6	1,190.04	6	1,534.17	6	1,878.29	6	2,222.42	6	2,566.55	6	2,910.67	6	3,254.74
1/4	179.39	1/4	523.50	1/4	864.98	1/4	1,197.21	1/4	1,541.34	1/4	1,885.46	1/4	2,229.59	1/4	2,573.71	1/4	2,917.84	1/4	3,261.91
1/2	186.56	1/2	530.67	1/2	871.84	1/2	1,204.38	1/2	1,548.50	1/2	1,892.63	1/2	2,236.76	1/2	2,580.88	1/2	2,925.01	1/2	3,269.07
3/4	193.73	3/4	537.84	3/4	878.70	3/4	1,211.55	3/4	1,555.67	3/4	1,899.80	3/4	2,243.93	3/4	2,588.05	3/4	2,932.18	3/4	3,276.24
7	200.90	7	545.01	7	885.56	7	1,218.72	7	1,562.84	7	1,906.97	7	2,251.10	7	2,595.22	7	2,939.35	7	3,283.41
1/4	208.07	1/4	552.18	1/4	892.42	1/4	1,225.89	1/4	1,570.01	1/4	1,914.14	1/4	2,258.27	1/4	2,602.39	1/4	2,946.52	1/4	3,290.58
1/2	215.24	1/2	559.35	1/2	899.28	1/2	1,233.06	1/2	1,577.18	1/2	1,921.31	1/2	2,265.43	1/2	2,609.56	1/2	2,953.69	1/2	3,297.74
3/4	222.41	3/4	566.52	3/4	906.14	3/4	1,240.22	3/4	1,584.35	3/4	1,928.48	3/4	2,272.60	3/4	2,616.73	3/4	2,960.86	3/4	3,304.91
8	229.58	8	573.69	8	913.00	8	1,247.39	8	1,591.52	8	1,935.65	8	2,279.77	8	2,623.90	8	2,968.03	8	3,312.08
1/4	236.74	1/4	580.86	1/4	919.86	1/4	1,254.56	1/4	1,598.69	1/4	1,942.82	1/4	2,286.94	1/4	2,631.07	1/4	2,975.20	1/4	3,319.24
1/2	243.91	1/2	588.03	1/2	926.72	1/2	1,261.73	1/2	1,605.86	1/2	1,949.99	1/2	2,294.11	1/2	2,638.24	1/2	2,982.36	1/2	3,326.41
3/4	251.08	3/4	595.19	3/4	933.58	3/4	1,268.90	3/4	1,613.03	3/4	1,957.15	3/4	2,301.28	3/4	2,645.41	3/4	2,989.53	3/4	3,333.58
9	258.25	9	602.36	9	940.45	9	1,276.07	9	1,620.20	9	1,964.32	9	2,308.45	9	2,652.58	9	2,996.70	9	3,340.75
1/4	265.42	1/4	609.53	1/4	947.31	1/4	1,283.24	1/4	1,627.37	1/4	1,971.49	1/4	2,315.62	1/4	2,659.75	1/4	3,003.87	1/4	3,347.91
1/2	272.59	1/2	616.70	1/2	954.17	1/2	1,290.41	1/2	1,634.54	1/2	1,978.66	1/2	2,322.79	1/2	2,666.92	1/2	3,011.04	1/2	3,355.08
3/4	279.76	3/4	623.87	3/4	961.03	3/4	1,297.58	3/4	1,641.71	3/4	1,985.83	3/4	2,329.96	3/4	2,674.08	3/4	3,018.21	3/4	3,362.25
10	286.93	10	631.04	10	967.89	10	1,304.75	10	1,648.87	10	1,993.00	10	2,337.13	10	2,681.25	10	3,025.38	10	3,369.41
1/4	294.10	1/4	638.21	1/4	974.75	1/4	1,311.92	1/4	1,656.04	1/4	2,000.17	1/4	2,344.30	1/4	2,688.42	1/4	3,032.55	1/4	3,376.58
1/2	301.27	1/2	645.38	1/2	981.61	1/2	1,319.09	1/2	1,663.21	1/2	2,007.34	1/2	2,351.47	1/2	2,695.59	1/2	3,039.72	1/2	3,383.75
3/4	308.43	3/4	652.55	3/4	988.47	3/4	1,326.26	3/4	1,670.38	3/4	2,014.51	3/4	2,358.64	3/4	2,702.76	3/4	3,046.89	3/4	3,390.92
11	315.60	11	659.72	11	995.33	11	1,333.43	11	1,677.55	11	2,021.68	11	2,365.80	11	2,709.93	11	3,054.06	11	3,398.08
1/4	322.77	1/4	666.88	1/4	1,002.19	1/4	1,340.59	1/4	1,684.72	1/4	2,028.85	1/4	2,372.97	1/4	2,717.10	1/4	3,061.22	1/4	3,405.25
1/2	329.94	1/2	674.05	1/2	1,009.05	1/2	1,347.76	1/2	1,691.89	1/2	2,036.02	1/2	2,380.14	1/2	2,724.27	1/2	3,068.39	1/2	3,412.42
3/4	337.11	3/4	681.22	3/4	1,015.92	3/4	1,354.93	3/4	1,699.06	3/4	2,043.19	3/4	2,387.31	3/4	2,731.44	3/4	3,075.56	3/4	3,419.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 3/8"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,426.75	0	3,770.78	0	4,114.80	0	4,458.17	0	4,800.62	0		0		0		0		0	
1/4	3,433.92	1/4	3,777.94	1/4	4,121.97	1/4	4,465.31	1/4	4,807.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.09	1/2	3,785.11	1/2	4,129.14	1/2	4,472.44	1/2	4,814.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,448.25	3/4	3,792.28	3/4	4,136.30	3/4	4,479.58	3/4	4,822.03	3/4		3/4		3/4		3/4		3/4	
1	3,455.42	1	3,799.45	1	4,143.47	1	4,486.71	1	4,829.16	1		1		1		1		1	
1/4	3,462.59	1/4	3,806.61	1/4	4,150.64	1/4	4,493.84	1/4	4,836.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,469.76	1/2	3,813.78	1/2	4,157.81	1/2	4,500.98	1/2	4,843.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,476.92	3/4	3,820.95	3/4	4,164.97	3/4	4,508.11	3/4	4,850.56	3/4		3/4		3/4		3/4		3/4	
2	3,484.09	2	3,828.12	2	4,172.14	2	4,515.25	2	4,857.70	2		2		2		2		2	
1/4	3,491.26	1/4	3,835.28	1/4	4,179.31	1/4	4,522.38	1/4	4,864.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,498.42	1/2	3,842.45	1/2	4,186.48	1/2	4,529.52	1/2	4,871.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,505.59	3/4	3,849.62	3/4	4,193.64	3/4	4,536.65	3/4	4,879.10	3/4		3/4		3/4		3/4		3/4	
3	3,512.76	3	3,856.78	3	4,200.81	3	4,543.79	3	4,886.24	3		3		3		3		3	
1/4	3,519.93	1/4	3,863.95	1/4	4,207.98	1/4	4,550.92	1/4	4,893.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.09	1/2	3,871.12	1/2	4,215.14	1/2	4,558.05	1/2	4,900.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.26	3/4	3,878.29	3/4	4,222.31	3/4	4,565.19	3/4	4,907.51	3/4		3/4		3/4		3/4		3/4	
4	3,541.43	4	3,885.45	4	4,229.48	4	4,572.32	4	4,914.60	4		4		4		4		4	
1/4	3,548.59	1/4	3,892.62	1/4	4,236.65	1/4	4,579.46	1/4	4,921.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.76	1/2	3,899.79	1/2	4,243.81	1/2	4,586.59	1/2	4,928.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.93	3/4	3,906.95	3/4	4,250.98	3/4	4,593.73	3/4	4,935.87	3/4		3/4		3/4		3/4		3/4	
5	3,570.10	5	3,914.12	5	4,258.15	5	4,600.86	5	4,942.96	5		5		5		5		5	
1/4	3,577.26	1/4	3,921.29	1/4	4,265.31	1/4	4,608.00	1/4	4,950.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.43	1/2	3,928.46	1/2	4,272.48	1/2	4,615.13	1/2	4,957.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.60	3/4	3,935.62	3/4	4,279.65	3/4	4,622.26	3/4	4,964.22	3/4		3/4		3/4		3/4		3/4	
6	3,598.76	6	3,942.79	6	4,286.82	6	4,629.40	6	4,971.30	6		6		6		6		6	
1/4	3,605.93	1/4	3,949.96	1/4	4,293.98	1/4	4,636.53	1/4	4,978.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.10	1/2	3,957.12	1/2	4,301.15	1/2	4,643.67	1/2	4,985.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.27	3/4	3,964.29	3/4	4,308.32	3/4	4,650.80	3/4	4,992.53	3/4		3/4		3/4		3/4		3/4	
7	3,627.43	7	3,971.46	7	4,315.48	7	4,657.94	7	4,999.61	7		7		7		7		7	
1/4	3,634.60	1/4	3,978.63	1/4	4,322.62	1/4	4,665.07	1/4	5,006.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.77	1/2	3,985.79	1/2	4,329.75	1/2	4,672.20	1/2	5,013.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.94	3/4	3,992.96	3/4	4,336.89	3/4	4,679.34	3/4	5,020.67	3/4		3/4		3/4		3/4		3/4	
8	3,656.10	8	4,000.13	8	4,344.02	8	4,686.47	8	5,027.69	8		8		8		8		8	
1/4	3,663.27	1/4	4,007.30	1/4	4,351.16	1/4	4,693.61	1/4	5,033.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.44	1/2	4,014.46	1/2	4,358.29	1/2	4,700.74	1/2	5,040.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.60	3/4	4,021.63	3/4	4,365.43	3/4	4,707.88	3/4	5,046.27	3/4		3/4		3/4		3/4		3/4	
9	3,684.77	9	4,028.80	9	4,372.56	9	4,715.01	9	5,052.46	9		9		9		9		9	
1/4	3,691.94	1/4	4,035.96	1/4	4,379.69	1/4	4,722.15	1/4	5,057.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.11	1/2	4,043.13	1/2	4,386.83	1/2	4,729.28	1/2	5,062.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.27	3/4	4,050.30	3/4	4,393.96	3/4	4,736.41	3/4	5,067.46	3/4		3/4		3/4		3/4		3/4	
10	3,713.44	10	4,057.47	10	4,401.10	10	4,743.55	10	5,072.45	10		10		10		10		10	
1/4	3,720.61	1/4	4,064.63	1/4	4,408.23	1/4	4,750.68	1/4	5,076.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,727.77	1/2	4,071.80	1/2	4,415.37	1/2	4,757.82	1/2	5,080.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,734.94	3/4	4,078.97	3/4	4,422.50	3/4	4,764.95	3/4	5,083.87	3/4		3/4		3/4		3/4		3/4	
11	3,742.11	11	4,086.13	11	4,429.64	11	4,772.09	11	5,087.67	11		11		11		11		11	
1/4	3,749.28	1/4	4,093.30	1/4	4,436.77	1/4	4,779.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.44	1/2	4,100.47	1/2	4,443.90	1/2	4,786.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.61	3/4	4,107.64	3/4	4,451.04	3/4	4,793.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

P. Mac



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 STBD
INNAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.69	0	343.84	0	687.51	0	1,030.83	0	1,374.38	0	1,718.07	0	2,061.75	0	2,405.44	0	2,749.12	0	3,092.80
1/4	19.16	1/4	351.00	1/4	694.67	1/4	1,037.98	1/4	1,381.54	1/4	1,725.23	1/4	2,068.91	1/4	2,412.60	1/4	2,756.28	1/4	3,099.96
1/2	23.64	1/2	358.16	1/2	701.83	1/2	1,045.13	1/2	1,388.70	1/2	1,732.39	1/2	2,076.07	1/2	2,419.76	1/2	2,763.44	1/2	3,107.12
3/4	28.11	3/4	365.32	3/4	708.99	3/4	1,052.27	3/4	1,395.86	3/4	1,739.55	3/4	2,083.23	3/4	2,426.92	3/4	2,770.60	3/4	3,114.28
1	32.59	1	372.48	1	716.15	1	1,059.42	1	1,403.02	1	1,746.71	1	2,090.39	1	2,434.08	1	2,777.76	1	3,121.43
1/4	38.85	1/4	379.64	1/4	723.31	1/4	1,066.57	1/4	1,410.18	1/4	1,753.87	1/4	2,097.55	1/4	2,441.24	1/4	2,784.92	1/4	3,128.59
1/2	45.11	1/2	386.80	1/2	730.47	1/2	1,073.71	1/2	1,417.34	1/2	1,761.03	1/2	2,104.71	1/2	2,448.40	1/2	2,792.08	1/2	3,135.75
3/4	51.38	3/4	393.96	3/4	737.63	3/4	1,080.86	3/4	1,424.50	3/4	1,768.19	3/4	2,111.87	3/4	2,455.56	3/4	2,799.24	3/4	3,142.91
2	57.64	2	401.12	2	744.79	2	1,088.00	2	1,431.67	2	1,775.35	2	2,119.03	2	2,462.72	2	2,806.40	2	3,150.07
1/4	64.76	1/4	408.28	1/4	751.95	1/4	1,095.16	1/4	1,438.83	1/4	1,782.51	1/4	2,126.19	1/4	2,469.88	1/4	2,813.56	1/4	3,157.22
1/2	71.89	1/2	415.44	1/2	759.11	1/2	1,102.31	1/2	1,445.99	1/2	1,789.67	1/2	2,133.35	1/2	2,477.04	1/2	2,820.72	1/2	3,164.38
3/4	79.01	3/4	422.60	3/4	766.27	3/4	1,109.47	3/4	1,453.15	3/4	1,796.83	3/4	2,140.51	3/4	2,484.20	3/4	2,827.88	3/4	3,171.54
3	86.13	3	429.76	3	773.43	3	1,116.62	3	1,460.31	3	1,803.99	3	2,147.68	3	2,491.36	3	2,835.04	3	3,178.70
1/4	93.28	1/4	436.92	1/4	780.59	1/4	1,123.78	1/4	1,467.47	1/4	1,811.15	1/4	2,154.84	1/4	2,498.52	1/4	2,842.20	1/4	3,185.86
1/2	100.43	1/2	444.08	1/2	787.75	1/2	1,130.94	1/2	1,474.63	1/2	1,818.31	1/2	2,162.00	1/2	2,505.68	1/2	2,849.36	1/2	3,193.02
3/4	107.58	3/4	451.24	3/4	794.91	3/4	1,138.10	3/4	1,481.79	3/4	1,825.47	3/4	2,169.16	3/4	2,512.84	3/4	2,856.52	3/4	3,200.17
4	114.73	4	458.40	4	802.07	4	1,145.26	4	1,488.95	4	1,832.63	4	2,176.32	4	2,520.00	4	2,863.69	4	3,207.33
1/4	121.89	1/4	465.56	1/4	809.23	1/4	1,152.42	1/4	1,496.11	1/4	1,839.79	1/4	2,183.48	1/4	2,527.16	1/4	2,870.85	1/4	3,214.49
1/2	129.05	1/2	472.72	1/2	816.39	1/2	1,159.58	1/2	1,503.27	1/2	1,846.95	1/2	2,190.64	1/2	2,534.32	1/2	2,878.01	1/2	3,221.65
3/4	136.21	3/4	479.88	3/4	823.55	3/4	1,166.74	3/4	1,510.43	3/4	1,854.11	3/4	2,197.80	3/4	2,541.48	3/4	2,885.17	3/4	3,228.81
5	143.37	5	487.04	5	830.71	5	1,173.90	5	1,517.59	5	1,861.27	5	2,204.96	5	2,548.64	5	2,892.33	5	3,235.96
1/4	150.53	1/4	494.20	1/4	837.86	1/4	1,181.06	1/4	1,524.75	1/4	1,868.43	1/4	2,212.12	1/4	2,555.80	1/4	2,899.49	1/4	3,243.12
1/2	157.69	1/2	501.36	1/2	845.02	1/2	1,188.22	1/2	1,531.91	1/2	1,875.59	1/2	2,219.28	1/2	2,562.96	1/2	2,906.65	1/2	3,250.28
3/4	164.84	3/4	508.52	3/4	852.18	3/4	1,195.38	3/4	1,539.07	3/4	1,882.75	3/4	2,226.44	3/4	2,570.12	3/4	2,913.81	3/4	3,257.44
6	172.00	6	515.68	6	859.33	6	1,202.54	6	1,546.23	6	1,889.91	6	2,233.60	6	2,577.28	6	2,920.97	6	3,264.60
1/4	179.16	1/4	522.83	1/4	866.48	1/4	1,209.70	1/4	1,553.39	1/4	1,897.07	1/4	2,240.76	1/4	2,584.44	1/4	2,928.13	1/4	3,271.76
1/2	186.32	1/2	529.99	1/2	873.62	1/2	1,216.86	1/2	1,560.55	1/2	1,904.23	1/2	2,247.92	1/2	2,591.60	1/2	2,935.29	1/2	3,278.91
3/4	193.48	3/4	537.15	3/4	880.77	3/4	1,224.02	3/4	1,567.71	3/4	1,911.39	3/4	2,255.08	3/4	2,598.76	3/4	2,942.45	3/4	3,286.07
7	200.64	7	544.31	7	887.92	7	1,231.18	7	1,574.87	7	1,918.55	7	2,262.24	7	2,605.92	7	2,949.61	7	3,293.23
1/4	207.80	1/4	551.47	1/4	895.06	1/4	1,238.34	1/4	1,582.03	1/4	1,925.71	1/4	2,269.40	1/4	2,613.08	1/4	2,956.77	1/4	3,300.39
1/2	214.96	1/2	558.63	1/2	902.21	1/2	1,245.50	1/2	1,589.19	1/2	1,932.87	1/2	2,276.56	1/2	2,620.24	1/2	2,963.93	1/2	3,307.55
3/4	222.12	3/4	565.79	3/4	909.35	3/4	1,252.66	3/4	1,596.35	3/4	1,940.03	3/4	2,283.72	3/4	2,627.40	3/4	2,971.09	3/4	3,314.70
8	229.28	8	572.95	8	916.50	8	1,259.82	8	1,603.51	8	1,947.19	8	2,290.88	8	2,634.56	8	2,978.25	8	3,321.86
1/4	236.44	1/4	580.11	1/4	923.64	1/4	1,266.98	1/4	1,610.67	1/4	1,954.35	1/4	2,298.04	1/4	2,641.72	1/4	2,985.41	1/4	3,329.02
1/2	243.60	1/2	587.27	1/2	930.79	1/2	1,274.14	1/2	1,617.83	1/2	1,961.51	1/2	2,305.20	1/2	2,648.88	1/2	2,992.57	1/2	3,336.18
3/4	250.76	3/4	594.43	3/4	937.94	3/4	1,281.30	3/4	1,624.99	3/4	1,968.67	3/4	2,312.36	3/4	2,656.04	3/4	2,999.73	3/4	3,343.34
9	257.92	9	601.59	9	945.08	9	1,288.46	9	1,632.15	9	1,975.83	9	2,319.52	9	2,663.20	9	3,006.89	9	3,350.50
1/4	265.08	1/4	608.75	1/4	952.23	1/4	1,295.62	1/4	1,639.31	1/4	1,982.99	1/4	2,326.68	1/4	2,670.36	1/4	3,014.05	1/4	3,357.65
1/2	272.24	1/2	615.91	1/2	959.37	1/2	1,302.78	1/2	1,646.47	1/2	1,990.15	1/2	2,333.84	1/2	2,677.52	1/2	3,021.21	1/2	3,364.81
3/4	279.40	3/4	623.07	3/4	966.52	3/4	1,309.94	3/4	1,653.63	3/4	1,997.31	3/4	2,341.00	3/4	2,684.68	3/4	3,028.37	3/4	3,371.97
10	286.56	10	630.23	10	973.67	10	1,317.10	10	1,660.79	10	2,004.47	10	2,348.16	10	2,691.84	10	3,035.53	10	3,379.13
1/4	293.72	1/4	637.39	1/4	980.81	1/4	1,324.26	1/4	1,667.95	1/4	2,011.63	1/4	2,355.32	1/4	2,699.00	1/4	3,042.69	1/4	3,386.29
1/2	300.88	1/2	644.55	1/2	987.96	1/2	1,331.42	1/2	1,675.11	1/2	2,018.79	1/2	2,362.48	1/2	2,706.16	1/2	3,049.85	1/2	3,393.45
3/4	308.04	3/4	651.71	3/4	995.10	3/4	1,338.58	3/4	1,682.27	3/4	2,025.95	3/4	2,369.64	3/4	2,713.32	3/4	3,057.01	3/4	3,400.60
11	315.20	11	658.87	11	1,002.25	11	1,345.74	11	1,689.43	11	2,033.11	11	2,376.80	11	2,720.48	11	3,064.17	11	3,407.76
1/4	322.36	1/4	666.03	1/4	1,009.40	1/4	1,352.90	1/4	1,696.59	1/4	2,040.27	1/4	2,383.96	1/4	2,727.64	1/4	3,071.33	1/4	3,414.92
1/2	329.52	1/2	673.19	1/2	1,016.54	1/2	1,360.06	1/2	1,703.75	1/2	2,047.43	1/2	2,391.12	1/2	2,734.80	1/2	3,078.48	1/2	3,422.08
3/4	336.68	3/4	680.35	3/4	1,023.69	3/4	1,367.22	3/4	1,710.91	3/4	2,054.59	3/4	2,398.28	3/4	2,741.96	3/4	3,085.64	3/4	3,429.24

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>

Paul A. Moore



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,436.39	0	3,780.01	0	4,123.70	0	4,466.74	0	4,808.85	0		0		0		0		0	
1/4	3,443.55	1/4	3,787.17	1/4	4,130.86	1/4	4,473.86	1/4	4,815.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,450.71	1/2	3,794.33	1/2	4,138.02	1/2	4,480.99	1/2	4,823.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,457.87	3/4	3,801.49	3/4	4,145.18	3/4	4,488.12	3/4	4,830.23	3/4		3/4		3/4		3/4		3/4	
1	3,465.03	1	3,808.65	1	4,152.34	1	4,495.24	1	4,837.36	1		1		1		1		1	
1/4	3,472.19	1/4	3,815.81	1/4	4,159.50	1/4	4,502.37	1/4	4,844.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,479.34	1/2	3,822.97	1/2	4,166.66	1/2	4,509.50	1/2	4,851.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,486.50	3/4	3,830.13	3/4	4,173.82	3/4	4,516.63	3/4	4,858.74	3/4		3/4		3/4		3/4		3/4	
2	3,493.66	2	3,837.29	2	4,180.98	2	4,523.75	2	4,865.87	2		2		2		2		2	
1/4	3,500.82	1/4	3,844.45	1/4	4,188.14	1/4	4,530.88	1/4	4,873.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,507.98	1/2	3,851.61	1/2	4,195.30	1/2	4,538.01	1/2	4,880.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,515.13	3/4	3,858.77	3/4	4,202.46	3/4	4,545.14	3/4	4,887.25	3/4		3/4		3/4		3/4		3/4	
3	3,522.29	3	3,865.93	3	4,209.62	3	4,552.26	3	4,894.38	3		3		3		3		3	
1/4	3,529.45	1/4	3,873.09	1/4	4,216.78	1/4	4,559.39	1/4	4,901.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.61	1/2	3,880.25	1/2	4,223.94	1/2	4,566.52	1/2	4,908.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.77	3/4	3,887.41	3/4	4,231.10	3/4	4,573.65	3/4	4,915.62	3/4		3/4		3/4		3/4		3/4	
4	3,550.93	4	3,894.58	4	4,238.26	4	4,580.77	4	4,922.71	4		4		4		4		4	
1/4	3,558.08	1/4	3,901.74	1/4	4,245.42	1/4	4,587.90	1/4	4,929.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.24	1/2	3,908.90	1/2	4,252.59	1/2	4,595.03	1/2	4,936.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.40	3/4	3,916.06	3/4	4,259.75	3/4	4,602.16	3/4	4,943.95	3/4		3/4		3/4		3/4		3/4	
5	3,579.56	5	3,923.22	5	4,266.91	5	4,609.28	5	4,951.03	5		5		5		5		5	
1/4	3,586.72	1/4	3,930.38	1/4	4,274.07	1/4	4,616.41	1/4	4,958.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.87	1/2	3,937.54	1/2	4,281.23	1/2	4,623.54	1/2	4,965.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.03	3/4	3,944.70	3/4	4,288.39	3/4	4,630.67	3/4	4,972.27	3/4		3/4		3/4		3/4		3/4	
6	3,608.19	6	3,951.86	6	4,295.55	6	4,637.79	6	4,979.36	6		6		6		6		6	
1/4	3,615.35	1/4	3,959.02	1/4	4,302.71	1/4	4,644.92	1/4	4,986.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,622.51	1/2	3,966.18	1/2	4,309.87	1/2	4,652.05	1/2	4,993.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,629.67	3/4	3,973.34	3/4	4,317.03	3/4	4,659.17	3/4	5,000.56	3/4		3/4		3/4		3/4		3/4	
7	3,636.82	7	3,980.50	7	4,324.19	7	4,666.30	7	5,007.63	7		7		7		7		7	
1/4	3,643.98	1/4	3,987.66	1/4	4,331.31	1/4	4,673.43	1/4	5,014.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.14	1/2	3,994.82	1/2	4,338.44	1/2	4,680.56	1/2	5,021.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.30	3/4	4,001.98	3/4	4,345.57	3/4	4,687.68	3/4	5,028.67	3/4		3/4		3/4		3/4		3/4	
8	3,665.46	8	4,009.14	8	4,352.70	8	4,694.81	8	5,035.68	8		8		8		8		8	
1/4	3,672.61	1/4	4,016.30	1/4	4,359.82	1/4	4,701.94	1/4	5,041.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,679.77	1/2	4,023.46	1/2	4,366.95	1/2	4,709.07	1/2	5,048.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,686.93	3/4	4,030.62	3/4	4,374.08	3/4	4,716.19	3/4	5,054.24	3/4		3/4		3/4		3/4		3/4	
9	3,694.09	9	4,037.78	9	4,381.21	9	4,723.32	9	5,060.43	9		9		9		9		9	
1/4	3,701.25	1/4	4,044.94	1/4	4,388.33	1/4	4,730.45	1/4	5,066.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.41	1/2	4,052.10	1/2	4,395.46	1/2	4,737.58	1/2	5,070.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,715.57	3/4	4,059.26	3/4	4,402.59	3/4	4,744.70	3/4	5,075.41	3/4		3/4		3/4		3/4		3/4	
10	3,722.73	10	4,066.42	10	4,409.72	10	4,751.83	10	5,080.41	10		10		10		10		10	
1/4	3,729.89	1/4	4,073.58	1/4	4,416.84	1/4	4,758.96	1/4	5,084.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,737.05	1/2	4,080.74	1/2	4,423.97	1/2	4,766.09	1/2	5,088.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,744.21	3/4	4,087.90	3/4	4,431.10	3/4	4,773.21	3/4	5,091.81	3/4		3/4		3/4		3/4		3/4	
11	3,751.37	11	4,095.06	11	4,438.23	11	4,780.34	11	5,095.61	11		11		11		11		11	
1/4	3,758.53	1/4	4,102.22	1/4	4,445.35	1/4	4,787.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.69	1/2	4,109.38	1/2	4,452.48	1/2	4,794.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.85	3/4	4,116.54	3/4	4,459.61	3/4	4,801.72	3/4		3/4		3/4		3/4		3/4		3/4	

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REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

3 PORT **INNAGE TABLE**

HERMETIC **GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	342.70	0	684.71	0	1,017.08	0	1,354.38	0	1,696.29	0	2,038.19	0	2,380.10	0	2,721.98	0	3,064.02
1/4	19.10	1/4	349.83	1/4	691.84	1/4	1,023.89	1/4	1,361.50	1/4	1,703.41	1/4	2,045.32	1/4	2,387.23	1/4	2,729.10	1/4	3,071.14
1/2	23.56	1/2	356.97	1/2	698.96	1/2	1,030.71	1/2	1,368.62	1/2	1,710.53	1/2	2,052.44	1/2	2,394.35	1/2	2,736.22	1/2	3,078.25
3/4	28.02	3/4	364.10	3/4	706.09	3/4	1,037.52	3/4	1,375.75	3/4	1,717.66	3/4	2,059.56	3/4	2,401.47	3/4	2,743.35	3/4	3,085.37
1	32.48	1	371.24	1	713.21	1	1,044.33	1	1,382.87	1	1,724.78	1	2,066.69	1	2,408.60	1	2,750.47	1	3,092.49
1/4	38.72	1/4	378.36	1/4	720.34	1/4	1,051.15	1/4	1,389.99	1/4	1,731.90	1/4	2,073.81	1/4	2,415.72	1/4	2,757.59	1/4	3,099.61
1/2	44.96	1/2	385.49	1/2	727.46	1/2	1,057.96	1/2	1,397.12	1/2	1,739.02	1/2	2,080.93	1/2	2,422.84	1/2	2,764.71	1/2	3,106.73
3/4	51.21	3/4	392.61	3/4	734.58	3/4	1,064.77	3/4	1,404.24	3/4	1,746.15	3/4	2,088.06	3/4	2,429.97	3/4	2,771.84	3/4	3,113.85
2	57.45	2	399.74	2	741.71	2	1,071.59	2	1,411.36	2	1,753.27	2	2,095.18	2	2,437.09	2	2,778.96	2	3,120.96
1/4	64.55	1/4	406.86	1/4	748.83	1/4	1,078.41	1/4	1,418.49	1/4	1,760.39	1/4	2,102.30	1/4	2,444.21	1/4	2,786.08	1/4	3,128.06
1/2	71.65	1/2	413.99	1/2	755.96	1/2	1,085.23	1/2	1,425.61	1/2	1,767.52	1/2	2,109.43	1/2	2,451.33	1/2	2,793.20	1/2	3,135.16
3/4	78.75	3/4	421.11	3/4	763.08	3/4	1,092.05	3/4	1,432.73	3/4	1,774.64	3/4	2,116.55	3/4	2,458.46	3/4	2,800.32	3/4	3,142.27
3	85.85	3	428.23	3	770.21	3	1,098.87	3	1,439.85	3	1,781.76	3	2,123.67	3	2,465.58	3	2,807.45	3	3,149.37
1/4	92.97	1/4	435.36	1/4	777.33	1/4	1,105.76	1/4	1,446.98	1/4	1,788.89	1/4	2,130.80	1/4	2,472.70	1/4	2,814.57	1/4	3,156.47
1/2	100.10	1/2	442.48	1/2	784.45	1/2	1,112.65	1/2	1,454.10	1/2	1,796.01	1/2	2,137.92	1/2	2,479.83	1/2	2,821.69	1/2	3,163.57
3/4	107.22	3/4	449.61	3/4	791.58	3/4	1,119.55	3/4	1,461.22	3/4	1,803.13	3/4	2,145.04	3/4	2,486.95	3/4	2,828.81	3/4	3,170.67
4	114.35	4	456.73	4	798.70	4	1,126.44	4	1,468.35	4	1,810.26	4	2,152.16	4	2,494.07	4	2,835.93	4	3,177.77
1/4	121.48	1/4	463.86	1/4	805.60	1/4	1,133.56	1/4	1,475.47	1/4	1,817.38	1/4	2,159.29	1/4	2,501.20	1/4	2,843.06	1/4	3,184.87
1/2	128.62	1/2	470.98	1/2	812.49	1/2	1,140.68	1/2	1,482.59	1/2	1,824.50	1/2	2,166.41	1/2	2,508.32	1/2	2,850.18	1/2	3,191.97
3/4	135.75	3/4	478.11	3/4	819.38	3/4	1,147.81	3/4	1,489.72	3/4	1,831.63	3/4	2,173.53	3/4	2,515.44	3/4	2,857.30	3/4	3,199.07
5	142.89	5	485.23	5	826.27	5	1,154.93	5	1,496.84	5	1,838.75	5	2,180.66	5	2,522.56	5	2,864.42	5	3,206.17
1/4	150.02	1/4	492.35	1/4	833.10	1/4	1,162.05	1/4	1,503.96	1/4	1,845.87	1/4	2,187.78	1/4	2,529.68	1/4	2,871.54	1/4	3,213.27
1/2	157.16	1/2	499.48	1/2	839.92	1/2	1,169.18	1/2	1,511.09	1/2	1,852.99	1/2	2,194.90	1/2	2,536.81	1/2	2,878.67	1/2	3,220.37
3/4	164.30	3/4	506.60	3/4	846.74	3/4	1,176.30	3/4	1,518.21	3/4	1,860.12	3/4	2,202.03	3/4	2,543.93	3/4	2,885.79	3/4	3,227.48
6	171.43	6	513.73	6	853.56	6	1,183.42	6	1,525.33	6	1,867.24	6	2,209.15	6	2,551.05	6	2,892.91	6	3,234.58
1/4	178.57	1/4	520.85	1/4	860.37	1/4	1,190.55	1/4	1,532.45	1/4	1,874.36	1/4	2,216.27	1/4	2,558.17	1/4	2,900.03	1/4	3,241.68
1/2	185.70	1/2	527.98	1/2	867.19	1/2	1,197.67	1/2	1,539.58	1/2	1,881.49	1/2	2,223.40	1/2	2,565.29	1/2	2,907.16	1/2	3,248.78
3/4	192.84	3/4	535.10	3/4	874.00	3/4	1,204.79	3/4	1,546.70	3/4	1,888.61	3/4	2,230.52	3/4	2,572.42	3/4	2,914.28	3/4	3,255.88
7	199.98	7	542.23	7	880.81	7	1,211.92	7	1,553.82	7	1,895.73	7	2,237.64	7	2,579.54	7	2,921.40	7	3,262.98
1/4	207.11	1/4	549.35	1/4	887.62	1/4	1,219.04	1/4	1,560.95	1/4	1,902.86	1/4	2,244.76	1/4	2,586.66	1/4	2,928.53	1/4	3,270.08
1/2	214.25	1/2	556.47	1/2	894.44	1/2	1,226.16	1/2	1,568.07	1/2	1,909.98	1/2	2,251.89	1/2	2,593.78	1/2	2,935.67	1/2	3,277.18
3/4	221.38	3/4	563.60	3/4	901.25	3/4	1,233.28	3/4	1,575.19	3/4	1,917.10	3/4	2,259.01	3/4	2,600.90	3/4	2,942.80	3/4	3,284.29
8	228.52	8	570.72	8	908.06	8	1,240.41	8	1,582.32	8	1,924.23	8	2,266.13	8	2,608.03	8	2,949.94	8	3,291.39
1/4	235.66	1/4	577.85	1/4	914.88	1/4	1,247.53	1/4	1,589.44	1/4	1,931.35	1/4	2,273.26	1/4	2,615.15	1/4	2,957.07	1/4	3,298.49
1/2	242.79	1/2	584.97	1/2	921.69	1/2	1,254.65	1/2	1,596.56	1/2	1,938.47	1/2	2,280.38	1/2	2,622.27	1/2	2,964.20	1/2	3,305.59
3/4	249.93	3/4	592.10	3/4	928.50	3/4	1,261.78	3/4	1,603.69	3/4	1,945.59	3/4	2,287.50	3/4	2,629.39	3/4	2,971.34	3/4	3,312.69
9	257.06	9	599.22	9	935.32	9	1,268.90	9	1,610.81	9	1,952.72	9	2,294.63	9	2,636.52	9	2,978.47	9	3,319.80
1/4	264.20	1/4	606.34	1/4	942.13	1/4	1,276.02	1/4	1,617.93	1/4	1,959.84	1/4	2,301.75	1/4	2,643.64	1/4	2,985.61	1/4	3,326.90
1/2	271.34	1/2	613.47	1/2	948.94	1/2	1,283.15	1/2	1,625.06	1/2	1,966.96	1/2	2,308.87	1/2	2,650.76	1/2	2,992.74	1/2	3,334.00
3/4	278.47	3/4	620.59	3/4	955.76	3/4	1,290.27	3/4	1,632.18	3/4	1,974.09	3/4	2,316.00	3/4	2,657.88	3/4	2,999.87	3/4	3,341.10
10	285.61	10	627.72	10	962.57	10	1,297.39	10	1,639.30	10	1,981.21	10	2,323.12	10	2,665.00	10	3,007.01	10	3,348.21
1/4	292.74	1/4	634.84	1/4	969.38	1/4	1,304.52	1/4	1,646.42	1/4	1,988.33	1/4	2,330.24	1/4	2,672.13	1/4	3,014.14	1/4	3,355.55
1/2	299.88	1/2	641.97	1/2	976.20	1/2	1,311.64	1/2	1,653.55	1/2	1,995.46	1/2	2,337.37	1/2	2,679.25	1/2	3,021.28	1/2	3,362.88
3/4	307.02	3/4	649.09	3/4	983.01	3/4	1,318.76	3/4	1,660.67	3/4	2,002.58	3/4	2,344.49	3/4	2,686.37	3/4	3,028.41	3/4	3,361.22
11	314.15	11	656.22	11	989.82	11	1,325.88	11	1,667.79	11	2,009.70	11	2,351.61	11	2,693.49	11	3,035.54	11	3,365.56
1/4	321.29	1/4	663.34	1/4	996.64	1/4	1,333.01	1/4	1,674.92	1/4	2,016.83	1/4	2,358.73	1/4	2,700.61	1/4	3,042.66	1/4	3,369.90
1/2	328.42	1/2	670.46	1/2	1,003.45	1/2	1,340.13	1/2	1,682.04	1/2	2,023.95	1/2	2,365.86	1/2	2,707.74	1/2	3,049.78	1/2	3,374.24
3/4	335.56	3/4	677.59	3/4	1,010.27	3/4	1,347.25	3/4	1,689.16	3/4	2,031.07	3/4	2,372.98	3/4	2,714.86	3/4	3,056.90	3/4	3,378.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>

The Shuman



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

3 PORT **INNAGE TABLE** **HERMETIC** **GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,382.92	0	3,592.28	0	3,802.20	0	4,011.74	0	4,220.75	0		0		0		0		0	
1/4	3,387.28	1/4	3,596.65	1/4	3,806.57	1/4	4,016.09	1/4	4,225.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,391.64	1/2	3,601.02	1/2	3,810.95	1/2	4,020.45	1/2	4,229.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,395.99	3/4	3,605.40	3/4	3,815.32	3/4	4,024.80	3/4	4,233.81	3/4		3/4		3/4		3/4		3/4	
1	3,400.35	1	3,609.77	1	3,819.69	1	4,029.16	1	4,238.16	1		1		1		1		1	
1/4	3,404.71	1/4	3,614.14	1/4	3,824.07	1/4	4,033.51	1/4	4,242.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,409.07	1/2	3,618.52	1/2	3,828.44	1/2	4,037.87	1/2	4,246.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,413.42	3/4	3,622.89	3/4	3,832.81	3/4	4,042.22	3/4	4,251.23	3/4		3/4		3/4		3/4		3/4	
2	3,417.78	2	3,627.26	2	3,837.19	2	4,046.57	2	4,255.58	2		2		2		2		2	
1/4	3,422.14	1/4	3,631.64	1/4	3,841.56	1/4	4,050.93	1/4	4,259.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,426.50	1/2	3,636.01	1/2	3,845.93	1/2	4,055.28	1/2	4,264.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,430.85	3/4	3,640.38	3/4	3,850.31	3/4	4,059.64	3/4	4,268.64	3/4		3/4		3/4		3/4		3/4	
3	3,435.21	3	3,644.76	3	3,854.68	3	4,063.99	3	4,273.00	3		3		3		3		3	
1/4	3,439.57	1/4	3,649.13	1/4	3,859.05	1/4	4,068.35	1/4	4,277.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,443.93	1/2	3,653.50	1/2	3,863.43	1/2	4,072.70	1/2	4,281.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,448.28	3/4	3,657.88	3/4	3,867.80	3/4	4,077.05	3/4	4,285.98	3/4		3/4		3/4		3/4		3/4	
4	3,452.64	4	3,662.25	4	3,872.17	4	4,081.41	4	4,290.30	4		4		4		4		4	
1/4	3,457.00	1/4	3,666.62	1/4	3,876.55	1/4	4,085.76	1/4	4,294.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.36	1/2	3,671.00	1/2	3,880.92	1/2	4,090.12	1/2	4,298.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,465.72	3/4	3,675.37	3/4	3,885.29	3/4	4,094.47	3/4	4,303.28	3/4		3/4		3/4		3/4		3/4	
5	3,470.07	5	3,679.74	5	3,889.67	5	4,098.83	5	4,307.61	5		5		5		5		5	
1/4	3,474.43	1/4	3,684.12	1/4	3,894.04	1/4	4,103.18	1/4	4,311.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,478.79	1/2	3,688.49	1/2	3,898.41	1/2	4,107.53	1/2	4,316.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,483.15	3/4	3,692.86	3/4	3,902.79	3/4	4,111.89	3/4	4,320.58	3/4		3/4		3/4		3/4		3/4	
6	3,487.50	6	3,697.24	6	3,907.16	6	4,116.24	6	4,324.90	6		6		6		6		6	
1/4	3,491.86	1/4	3,701.61	1/4	3,911.53	1/4	4,120.60	1/4	4,329.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,496.22	1/2	3,705.98	1/2	3,915.91	1/2	4,124.95	1/2	4,333.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.58	3/4	3,710.36	3/4	3,920.28	3/4	4,129.31	3/4	4,337.84	3/4		3/4		3/4		3/4		3/4	
7	3,504.93	7	3,714.73	7	3,924.65	7	4,133.66	7	4,342.15	7		7		7		7		7	
1/4	3,509.29	1/4	3,719.10	1/4	3,929.01	1/4	4,138.01	1/4	4,346.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.65	1/2	3,723.48	1/2	3,933.36	1/2	4,142.37	1/2	4,350.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.01	3/4	3,727.85	3/4	3,937.72	3/4	4,146.72	3/4	4,354.93	3/4		3/4		3/4		3/4		3/4	
8	3,522.36	8	3,732.22	8	3,942.07	8	4,151.08	8	4,359.19	8		8		8		8		8	
1/4	3,526.72	1/4	3,736.60	1/4	3,946.43	1/4	4,155.43	1/4	4,362.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.08	1/2	3,740.97	1/2	3,950.78	1/2	4,159.79	1/2	4,366.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.44	3/4	3,745.34	3/4	3,955.13	3/4	4,164.14	3/4	4,369.49	3/4		3/4		3/4		3/4		3/4	
9	3,539.79	9	3,749.72	9	3,959.49	9	4,168.49	9	4,372.92	9		9		9		9		9	
1/4	3,544.17	1/4	3,754.09	1/4	3,963.84	1/4	4,172.85	1/4	4,375.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.54	1/2	3,758.46	1/2	3,968.20	1/2	4,177.20	1/2	4,377.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.91	3/4	3,762.84	3/4	3,972.55	3/4	4,181.56	3/4	4,379.66	3/4		3/4		3/4		3/4		3/4	
10	3,557.29	10	3,767.21	10	3,976.91	10	4,185.91	10	4,381.91	10		10		10		10		10	
1/4	3,561.66	1/4	3,771.58	1/4	3,981.26	1/4	4,190.27	1/4	4,383.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.03	1/2	3,775.96	1/2	3,985.61	1/2	4,194.62	1/2	4,385.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.41	3/4	3,780.33	3/4	3,989.97	3/4	4,198.97	3/4	4,387.03	3/4		3/4		3/4		3/4		3/4	
11	3,574.78	11	3,784.70	11	3,994.32	11	4,203.33	11	4,388.74	11		11		11		11		11	
1/4	3,579.16	1/4	3,789.08	1/4	3,998.68	1/4	4,207.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,583.53	1/2	3,793.45	1/2	4,003.03	1/2	4,212.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,587.90	3/4	3,797.83	3/4	4,007.39	3/4	4,216.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2021

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BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 STBD INNAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	342.74	0	685.31	0	1,027.52	0	1,369.97	0	1,712.55	0	2,055.13	0	2,397.71	0	2,740.02	0	3,081.73
1/4	19.10	1/4	349.88	1/4	692.45	1/4	1,034.65	1/4	1,377.11	1/4	1,719.69	1/4	2,062.27	1/4	2,404.85	1/4	2,747.14	1/4	3,088.85
1/2	23.56	1/2	357.01	1/2	699.58	1/2	1,041.77	1/2	1,384.24	1/2	1,726.82	1/2	2,069.40	1/2	2,411.99	1/2	2,754.26	1/2	3,095.97
3/4	28.02	3/4	364.15	3/4	706.72	3/4	1,048.89	3/4	1,391.38	3/4	1,733.96	3/4	2,076.54	3/4	2,419.12	3/4	2,761.38	3/4	3,103.08
1	32.48	1	371.29	1	713.86	1	1,056.02	1	1,398.52	1	1,741.10	1	2,083.68	1	2,426.26	1	2,768.50	1	3,110.20
1/4	38.72	1/4	378.42	1/4	720.99	1/4	1,063.14	1/4	1,405.65	1/4	1,748.24	1/4	2,090.82	1/4	2,433.40	1/4	2,775.61	1/4	3,117.32
1/2	44.97	1/2	385.56	1/2	728.13	1/2	1,070.26	1/2	1,412.79	1/2	1,755.37	1/2	2,097.95	1/2	2,440.53	1/2	2,782.73	1/2	3,124.44
3/4	51.21	3/4	392.70	3/4	735.27	3/4	1,077.39	3/4	1,419.93	3/4	1,762.51	3/4	2,105.09	3/4	2,447.67	3/4	2,789.85	3/4	3,131.56
2	57.45	2	399.83	2	742.40	2	1,084.51	2	1,427.07	2	1,769.65	2	2,112.23	2	2,454.81	2	2,796.97	2	3,138.68
1/4	64.56	1/4	406.97	1/4	749.54	1/4	1,091.64	1/4	1,434.20	1/4	1,776.78	1/4	2,119.36	1/4	2,461.95	1/4	2,804.09	1/4	3,145.78
1/2	71.66	1/2	414.11	1/2	756.68	1/2	1,098.77	1/2	1,441.34	1/2	1,783.92	1/2	2,126.50	1/2	2,469.08	1/2	2,811.21	1/2	3,152.88
3/4	78.76	3/4	421.24	3/4	763.82	3/4	1,105.90	3/4	1,448.48	3/4	1,791.06	3/4	2,133.64	3/4	2,476.22	3/4	2,818.33	3/4	3,159.98
3	85.86	3	428.38	3	770.95	3	1,113.03	3	1,455.61	3	1,798.20	3	2,140.78	3	2,483.36	3	2,825.45	3	3,167.09
1/4	92.98	1/4	435.52	1/4	778.09	1/4	1,120.17	1/4	1,462.75	1/4	1,805.33	1/4	2,147.91	1/4	2,490.49	1/4	2,832.57	1/4	3,174.19
1/2	100.11	1/2	442.65	1/2	785.23	1/2	1,127.31	1/2	1,469.89	1/2	1,812.47	1/2	2,155.05	1/2	2,497.63	1/2	2,839.68	1/2	3,181.29
3/4	107.24	3/4	449.79	3/4	792.36	3/4	1,134.44	3/4	1,477.03	3/4	1,819.61	3/4	2,162.19	3/4	2,504.77	3/4	2,846.80	3/4	3,188.39
4	114.36	4	456.93	4	799.50	4	1,141.58	4	1,484.16	4	1,826.74	4	2,169.32	4	2,511.91	4	2,853.92	4	3,195.49
1/4	121.50	1/4	464.07	1/4	806.64	1/4	1,148.72	1/4	1,491.30	1/4	1,833.88	1/4	2,176.46	1/4	2,519.04	1/4	2,861.04	1/4	3,202.59
1/2	128.63	1/2	471.20	1/2	813.77	1/2	1,155.86	1/2	1,498.44	1/2	1,841.02	1/2	2,183.60	1/2	2,526.18	1/2	2,868.16	1/2	3,209.69
3/4	135.77	3/4	478.34	3/4	820.91	3/4	1,162.99	3/4	1,505.57	3/4	1,848.15	3/4	2,190.74	3/4	2,533.32	3/4	2,875.28	3/4	3,216.80
5	142.91	5	485.48	5	828.05	5	1,170.13	5	1,512.71	5	1,855.29	5	2,197.87	5	2,540.46	5	2,882.40	5	3,223.90
1/4	150.04	1/4	492.61	1/4	835.18	1/4	1,177.27	1/4	1,519.85	1/4	1,862.43	1/4	2,205.01	1/4	2,547.60	1/4	2,889.52	1/4	3,231.00
1/2	157.18	1/2	499.75	1/2	842.31	1/2	1,184.40	1/2	1,526.99	1/2	1,869.57	1/2	2,212.15	1/2	2,554.73	1/2	2,896.64	1/2	3,238.10
3/4	164.32	3/4	506.89	3/4	849.44	3/4	1,191.54	3/4	1,534.12	3/4	1,876.70	3/4	2,219.28	3/4	2,561.87	3/4	2,903.75	3/4	3,245.20
6	171.45	6	514.02	6	856.57	6	1,198.68	6	1,541.26	6	1,883.84	6	2,226.42	6	2,569.01	6	2,910.87	6	3,252.30
1/4	178.59	1/4	521.16	1/4	863.69	1/4	1,205.82	1/4	1,548.40	1/4	1,890.98	1/4	2,233.56	1/4	2,576.15	1/4	2,917.99	1/4	3,259.41
1/2	185.73	1/2	528.30	1/2	870.82	1/2	1,212.95	1/2	1,555.53	1/2	1,898.11	1/2	2,240.70	1/2	2,583.29	1/2	2,925.11	1/2	3,266.51
3/4	192.86	3/4	535.43	3/4	877.94	3/4	1,220.09	3/4	1,562.67	3/4	1,905.25	3/4	2,247.83	3/4	2,590.43	3/4	2,932.23	3/4	3,273.61
7	200.00	7	542.57	7	885.06	7	1,227.23	7	1,569.81	7	1,912.39	7	2,254.97	7	2,597.56	7	2,939.35	7	3,280.71
1/4	207.14	1/4	549.71	1/4	892.19	1/4	1,234.36	1/4	1,576.94	1/4	1,919.53	1/4	2,262.11	1/4	2,604.70	1/4	2,946.47	1/4	3,287.81
1/2	214.27	1/2	556.85	1/2	899.31	1/2	1,241.50	1/2	1,584.08	1/2	1,926.66	1/2	2,269.24	1/2	2,611.84	1/2	2,953.59	1/2	3,294.91
3/4	221.41	3/4	563.98	3/4	906.43	3/4	1,248.64	3/4	1,591.22	3/4	1,933.80	3/4	2,276.38	3/4	2,618.98	3/4	2,960.71	3/4	3,302.02
8	228.55	8	571.12	8	913.56	8	1,255.78	8	1,598.36	8	1,940.94	8	2,283.52	8	2,626.12	8	2,967.83	8	3,309.12
1/4	235.68	1/4	578.26	1/4	920.68	1/4	1,262.91	1/4	1,605.49	1/4	1,948.07	1/4	2,290.65	1/4	2,633.24	1/4	2,974.94	1/4	3,316.22
1/2	242.82	1/2	585.39	1/2	927.80	1/2	1,270.05	1/2	1,612.63	1/2	1,955.21	1/2	2,297.79	1/2	2,640.36	1/2	2,982.06	1/2	3,323.32
3/4	249.96	3/4	592.53	3/4	934.92	3/4	1,277.19	3/4	1,619.77	3/4	1,962.35	3/4	2,304.93	3/4	2,647.47	3/4	2,989.18	3/4	3,330.42
9	257.10	9	599.67	9	942.05	9	1,284.32	9	1,626.90	9	1,969.49	9	2,312.07	9	2,654.59	9	2,996.30	9	3,337.52
1/4	264.23	1/4	606.80	1/4	949.17	1/4	1,291.46	1/4	1,634.04	1/4	1,976.62	1/4	2,319.20	1/4	2,661.71	1/4	3,003.42	1/4	3,344.63
1/2	271.37	1/2	613.94	1/2	956.29	1/2	1,298.60	1/2	1,641.18	1/2	1,983.76	1/2	2,326.34	1/2	2,668.83	1/2	3,010.54	1/2	3,351.73
3/4	278.51	3/4	621.08	3/4	963.42	3/4	1,305.74	3/4	1,648.32	3/4	1,990.90	3/4	2,333.48	3/4	2,675.95	3/4	3,017.66	3/4	3,358.83
10	285.64	10	628.21	10	970.54	10	1,312.87	10	1,655.45	10	1,998.03	10	2,340.61	10	2,683.07	10	3,024.78	10	3,365.93
1/4	292.78	1/4	635.35	1/4	977.66	1/4	1,320.01	1/4	1,662.59	1/4	2,005.17	1/4	2,347.75	1/4	2,690.19	1/4	3,031.90	1/4	3,370.27
1/2	299.92	1/2	642.49	1/2	984.79	1/2	1,327.15	1/2	1,669.73	1/2	2,012.31	1/2	2,354.89	1/2	2,697.31	1/2	3,039.01	1/2	3,374.61
3/4	307.05	3/4	649.63	3/4	991.91	3/4	1,334.28	3/4	1,676.86	3/4	2,019.45	3/4	2,362.03	3/4	2,704.43	3/4	3,046.13	3/4	3,378.95
11	314.19	11	656.76	11	999.03	11	1,341.42	11	1,684.00	11	2,026.58	11	2,369.16	11	2,711.54	11	3,053.25	11	3,383.30
1/4	321.33	1/4	663.90	1/4	1,006.15	1/4	1,348.56	1/4	1,691.14	1/4	2,033.72	1/4	2,376.30	1/4	2,718.66	1/4	3,060.37	1/4	3,387.64
1/2	328.46	1/2	671.04	1/2	1,013.28	1/2	1,355.69	1/2	1,698.28	1/2	2,040.86	1/2	2,383.44	1/2	2,725.78	1/2	3,067.49	1/2	3,391.98
3/4	335.60	3/4	678.17	3/4	1,020.40	3/4	1,362.83	3/4	1,705.41	3/4	2,047.99	3/4	2,390.57	3/4	2,732.90	3/4	3,074.61	3/4	3,396.32

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,400.66	0	3,610.76	0	3,820.86	0	4,030.58	0	4,239.76	0		0		0		0		0	
1/4	3,405.04	1/4	3,615.14	1/4	3,825.24	1/4	4,034.94	1/4	4,244.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,409.41	1/2	3,619.52	1/2	3,829.62	1/2	4,039.30	1/2	4,248.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,413.79	3/4	3,623.89	3/4	3,833.99	3/4	4,043.65	3/4	4,252.84	3/4		3/4		3/4		3/4		3/4	
1	3,418.17	1	3,628.27	1	3,838.37	1	4,048.01	1	4,257.20	1		1		1		1		1	
1/4	3,422.55	1/4	3,632.65	1/4	3,842.75	1/4	4,052.37	1/4	4,261.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,426.92	1/2	3,637.02	1/2	3,847.12	1/2	4,056.73	1/2	4,265.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,431.30	3/4	3,641.40	3/4	3,851.50	3/4	4,061.09	3/4	4,270.27	3/4		3/4		3/4		3/4		3/4	
2	3,435.68	2	3,645.78	2	3,855.88	2	4,065.44	2	4,274.63	2		2		2		2		2	
1/4	3,440.05	1/4	3,650.15	1/4	3,860.26	1/4	4,069.80	1/4	4,278.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,444.43	1/2	3,654.53	1/2	3,864.63	1/2	4,074.16	1/2	4,283.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,448.81	3/4	3,658.91	3/4	3,868.01	3/4	4,078.52	3/4	4,287.70	3/4		3/4		3/4		3/4		3/4	
3	3,453.19	3	3,663.29	3	3,873.39	3	4,082.88	3	4,292.06	3		3		3		3		3	
1/4	3,457.56	1/4	3,667.66	1/4	3,877.76	1/4	4,087.23	1/4	4,296.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.94	1/2	3,672.04	1/2	3,882.14	1/2	4,091.59	1/2	4,300.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,466.32	3/4	3,676.42	3/4	3,886.52	3/4	4,095.95	3/4	4,305.05	3/4		3/4		3/4		3/4		3/4	
4	3,470.69	4	3,680.79	4	3,890.90	4	4,100.31	4	4,309.38	4		4		4		4		4	
1/4	3,475.07	1/4	3,685.17	1/4	3,895.27	1/4	4,104.67	1/4	4,313.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,479.45	1/2	3,689.55	1/2	3,899.65	1/2	4,109.02	1/2	4,318.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,483.83	3/4	3,693.93	3/4	3,904.03	3/4	4,113.38	3/4	4,322.38	3/4		3/4		3/4		3/4		3/4	
5	3,488.20	5	3,698.30	5	3,908.40	5	4,117.74	5	4,326.71	5		5		5		5		5	
1/4	3,492.58	1/4	3,702.68	1/4	3,912.78	1/4	4,122.10	1/4	4,331.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,496.96	1/2	3,707.06	1/2	3,917.16	1/2	4,126.46	1/2	4,335.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,501.33	3/4	3,711.43	3/4	3,921.54	3/4	4,130.81	3/4	4,339.69	3/4		3/4		3/4		3/4		3/4	
6	3,505.71	6	3,715.81	6	3,925.91	6	4,135.17	6	4,344.01	6		6		6		6		6	
1/4	3,510.09	1/4	3,720.19	1/4	3,930.29	1/4	4,139.53	1/4	4,348.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.46	1/2	3,724.57	1/2	3,934.67	1/2	4,143.89	1/2	4,352.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.84	3/4	3,728.94	3/4	3,939.04	3/4	4,148.25	3/4	4,356.96	3/4		3/4		3/4		3/4		3/4	
7	3,523.22	7	3,733.32	7	3,943.42	7	4,152.60	7	4,361.28	7		7		7		7		7	
1/4	3,527.60	1/4	3,737.70	1/4	3,947.78	1/4	4,156.96	1/4	4,365.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.97	1/2	3,742.07	1/2	3,952.14	1/2	4,161.32	1/2	4,369.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.35	3/4	3,746.45	3/4	3,956.49	3/4	4,165.68	3/4	4,374.06	3/4		3/4		3/4		3/4		3/4	
8	3,540.73	8	3,750.83	8	3,960.85	8	4,170.04	8	4,378.33	8		8		8		8		8	
1/4	3,545.10	1/4	3,755.21	1/4	3,965.21	1/4	4,174.39	1/4	4,381.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.48	1/2	3,759.58	1/2	3,969.57	1/2	4,178.75	1/2	4,385.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.86	3/4	3,763.96	3/4	3,973.93	3/4	4,183.11	3/4	4,388.64	3/4		3/4		3/4		3/4		3/4	
9	3,558.24	9	3,768.34	9	3,978.28	9	4,187.47	9	4,392.08	9		9		9		9		9	
1/4	3,562.61	1/4	3,772.71	1/4	3,982.64	1/4	4,191.83	1/4	4,394.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.99	1/2	3,777.09	1/2	3,987.00	1/2	4,196.18	1/2	4,396.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.37	3/4	3,781.47	3/4	3,991.36	3/4	4,200.54	3/4	4,398.83	3/4		3/4		3/4		3/4		3/4	
10	3,575.74	10	3,785.85	10	3,995.72	10	4,204.90	10	4,401.07	10		10		10		10		10	
1/4	3,580.12	1/4	3,790.22	1/4	4,000.07	1/4	4,209.26	1/4	4,402.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.50	1/2	3,794.60	1/2	4,004.43	1/2	4,213.62	1/2	4,404.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.88	3/4	3,798.98	3/4	4,008.79	3/4	4,217.97	3/4	4,406.20	3/4		3/4		3/4		3/4		3/4	
11	3,593.25	11	3,803.35	11	4,013.15	11	4,222.33	11	4,407.91	11		11		11		11		11	
1/4	3,597.63	1/4	3,807.73	1/4	4,017.51	1/4	4,226.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.01	1/2	3,812.11	1/2	4,021.86	1/2	4,231.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,606.38	3/4	3,816.48	3/4	4,026.22	3/4	4,235.41	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
REPRINTED: 05/13/2021 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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P. Mac



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 7'-00"
DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

May 13, 2021

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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Pearland, Texas 77588

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BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,865.01	0	4,524.90	0	4,184.18	0	3,842.15	0	3,500.16	0	3,158.23	0	2,816.25	0	2,474.22
1/4		1/4		1/4	4,857.96	1/4	4,517.81	1/4	4,177.05	1/4	3,835.03	1/4	3,493.04	1/4	3,151.10	1/4	2,809.13	1/4	2,467.09
1/2		1/2		1/2	4,850.91	1/2	4,510.72	1/2	4,169.93	1/2	3,827.90	1/2	3,485.91	1/2	3,143.98	1/2	2,802.00	1/2	2,459.97
3/4		3/4		3/4	4,843.86	3/4	4,503.62	3/4	4,162.80	3/4	3,820.78	3/4	3,478.79	3/4	3,136.86	3/4	2,794.87	3/4	2,452.84
1		1		1	4,836.81	1	4,496.53	1	4,155.68	1	3,813.65	1	3,471.67	1	3,129.73	1	2,787.75	1	2,445.72
1/4		1/4		1/4	4,829.77	1/4	4,489.44	1/4	4,148.55	1/4	3,806.53	1/4	3,464.54	1/4	3,122.61	1/4	2,780.62	1/4	2,438.59
1/2		1/2		1/2	4,822.72	1/2	4,482.34	1/2	4,141.42	1/2	3,799.40	1/2	3,457.42	1/2	3,115.49	1/2	2,773.50	1/2	2,431.46
3/4		3/4		3/4	4,815.67	3/4	4,475.25	3/4	4,134.30	3/4	3,792.27	3/4	3,450.29	3/4	3,108.36	3/4	2,766.37	3/4	2,424.34
2		2		2	4,808.62	2	4,468.16	2	4,127.17	2	3,785.15	2	3,443.17	2	3,101.24	2	2,759.25	2	2,417.21
1/4		1/4		1/4	4,801.53	1/4	4,461.06	1/4	4,120.05	1/4	3,778.02	1/4	3,436.05	1/4	3,094.11	1/4	2,752.12	1/4	2,410.09
1/2		1/2		1/2	4,794.44	1/2	4,453.97	1/2	4,112.92	1/2	3,770.90	1/2	3,428.92	1/2	3,086.99	1/2	2,745.00	1/2	2,402.96
3/4		3/4		3/4	4,787.34	3/4	4,446.88	3/4	4,105.80	3/4	3,763.77	3/4	3,421.80	3/4	3,079.87	3/4	2,737.87	3/4	2,395.83
3		3		3	4,780.25	3	4,439.79	3	4,098.67	3	3,756.65	3	3,414.68	3	3,072.74	3	2,730.75	3	2,388.71
1/4		1/4		1/4	4,773.16	1/4	4,432.69	1/4	4,091.55	1/4	3,749.52	1/4	3,407.55	1/4	3,065.62	1/4	2,723.62	1/4	2,381.58
1/2		1/2		1/2	4,766.06	1/2	4,425.60	1/2	4,084.42	1/2	3,742.40	1/2	3,400.43	1/2	3,058.50	1/2	2,716.50	1/2	2,374.46
3/4		3/4		3/4	4,758.97	3/4	4,418.51	3/4	4,077.29	3/4	3,735.27	3/4	3,393.31	3/4	3,051.37	3/4	2,709.37	3/4	2,367.33
4		4		4	4,751.88	4	4,411.41	4	4,070.17	4	3,728.15	4	3,386.18	4	3,044.25	4	2,702.24	4	2,360.20
1/4		1/4		1/4	4,744.78	1/4	4,404.32	1/4	4,063.04	1/4	3,721.02	1/4	3,379.06	1/4	3,037.13	1/4	2,695.12	1/4	2,353.08
1/2		1/2		1/2	4,737.69	1/2	4,397.23	1/2	4,055.92	1/2	3,713.89	1/2	3,371.93	1/2	3,030.00	1/2	2,687.99	1/2	2,345.95
3/4		3/4		3/4	4,730.60	3/4	4,390.13	3/4	4,048.79	3/4	3,706.77	3/4	3,364.81	3/4	3,022.88	3/4	2,680.87	3/4	2,338.83
5		5		5	4,723.51	5	4,383.04	5	4,041.67	5	3,699.64	5	3,357.69	5	3,015.75	5	2,673.74	5	2,331.70
1/4		1/4		1/4	4,716.41	1/4	4,375.95	1/4	4,034.54	1/4	3,692.52	1/4	3,350.56	1/4	3,008.63	1/4	2,666.62	1/4	2,324.57
1/2		1/2		1/2	4,709.32	1/2	4,368.86	1/2	4,027.42	1/2	3,685.39	1/2	3,343.44	1/2	3,001.51	1/2	2,659.49	1/2	2,317.45
3/4		3/4		3/4	4,702.23	3/4	4,361.76	3/4	4,020.29	3/4	3,678.27	3/4	3,336.32	3/4	2,994.38	3/4	2,652.37	3/4	2,310.32
6		6	5,008.89	6	4,695.13	6	4,354.67	6	4,013.17	6	3,671.14	6	3,329.19	6	2,987.26	6	2,645.24	6	2,303.20
1/4		1/4	5,005.11	1/4	4,688.04	1/4	4,347.58	1/4	4,006.04	1/4	3,664.02	1/4	3,322.07	1/4	2,980.14	1/4	2,638.12	1/4	2,296.07
1/2		1/2	5,001.33	1/2	4,680.95	1/2	4,340.48	1/2	3,998.91	1/2	3,656.89	1/2	3,314.95	1/2	2,973.01	1/2	2,630.99	1/2	2,288.94
3/4		3/4	4,997.54	3/4	4,673.85	3/4	4,333.39	3/4	3,991.79	3/4	3,649.76	3/4	3,307.82	3/4	2,965.88	3/4	2,623.87	3/4	2,281.82
7		7	4,993.76	7	4,666.76	7	4,326.30	7	3,984.66	7	3,642.64	7	3,300.70	7	2,958.76	7	2,616.74	7	2,274.69
1/4		1/4	4,988.79	1/4	4,659.67	1/4	4,319.20	1/4	3,977.54	1/4	3,635.51	1/4	3,293.58	1/4	2,951.63	1/4	2,609.61	1/4	2,267.57
1/2		1/2	4,983.82	1/2	4,652.58	1/2	4,312.11	1/2	3,970.41	1/2	3,628.39	1/2	3,286.45	1/2	2,944.51	1/2	2,602.49	1/2	2,260.44
3/4		3/4	4,978.85	3/4	4,645.48	3/4	4,305.02	3/4	3,963.29	3/4	3,621.26	3/4	3,279.33	3/4	2,937.38	3/4	2,595.36	3/4	2,253.31
8		8	4,973.88	8	4,638.39	8	4,297.93	8	3,956.16	8	3,614.14	8	3,272.20	8	2,930.26	8	2,588.24	8	2,246.19
1/4		1/4	4,967.73	1/4	4,631.30	1/4	4,290.83	1/4	3,949.04	1/4	3,607.01	1/4	3,265.08	1/4	2,923.13	1/4	2,581.11	1/4	2,239.06
1/2		1/2	4,961.57	1/2	4,624.20	1/2	4,283.74	1/2	3,941.91	1/2	3,599.89	1/2	3,257.96	1/2	2,916.01	1/2	2,573.98	1/2	2,231.94
3/4		3/4	4,955.41	3/4	4,617.11	3/4	4,276.65	3/4	3,934.78	3/4	3,592.77	3/4	3,250.83	3/4	2,908.88	3/4	2,566.86	3/4	2,224.81
9		9	4,949.25	9	4,610.02	9	4,269.55	9	3,927.66	9	3,585.64	9	3,243.71	9	2,901.76	9	2,559.73	9	2,217.68
1/4		1/4	4,942.27	1/4	4,602.92	1/4	4,262.46	1/4	3,920.53	1/4	3,578.52	1/4	3,236.59	1/4	2,894.63	1/4	2,552.61	1/4	2,210.56
1/2		1/2	4,935.29	1/2	4,595.83	1/2	4,255.37	1/2	3,913.41	1/2	3,571.40	1/2	3,229.46	1/2	2,887.50	1/2	2,545.48	1/2	2,203.43
3/4		3/4	4,928.31	3/4	4,588.74	3/4	4,248.27	3/4	3,906.28	3/4	3,564.27	3/4	3,222.34	3/4	2,880.38	3/4	2,538.35	3/4	2,196.31
10		10	4,921.33	10	4,581.65	10	4,241.18	10	3,899.16	10	3,557.15	10	3,215.22	10	2,873.25	10	2,531.23	10	2,189.18
1/4		1/4	4,914.30	1/4	4,574.55	1/4	4,234.06	1/4	3,892.03	1/4	3,550.02	1/4	3,208.09	1/4	2,866.13	1/4	2,524.10	1/4	2,182.05
1/2		1/2	4,907.27	1/2	4,567.46	1/2	4,226.93	1/2	3,884.91	1/2	3,542.90	1/2	3,200.97	1/2	2,859.00	1/2	2,516.98	1/2	2,174.93
3/4		3/4	4,900.23	3/4	4,560.37	3/4	4,219.80	3/4	3,877.78	3/4	3,535.78	3/4	3,193.84	3/4	2,851.88	3/4	2,509.85	3/4	2,167.80
11		11	4,893.20	11	4,553.27	11	4,212.68	11	3,870.66	11	3,528.65	11	3,186.72	11	2,844.75	11	2,502.72	11	2,160.68
1/4		1/4	4,886.15	1/4	4,546.18	1/4	4,205.55	1/4	3,863.53	1/4	3,521.53	1/4	3,179.60	1/4	2,837.63	1/4	2,495.60	1/4	2,153.55
1/2		1/2	4,879.10	1/2	4,539.09	1/2	4,198.43	1/2	3,856.40	1/2	3,514.41	1/2	3,172.47	1/2	2,830.50	1/2	2,488.47	1/2	2,146.42
3/4		3/4	4,872.06	3/4	4,531.99	3/4	4,191.30	3/4	3,849.28	3/4	3,507.28	3/4	3,165.35	3/4	2,823.38	3/4	2,481.35	3/4	2,139.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,132.17	0	1,790.12	0	1,448.08	0	1,106.03	0	766.47	0	425.27	0	115.21	0		0		0	
1/4	2,125.05	1/4	1,783.00	1/4	1,440.95	1/4	1,098.90	1/4	759.37	1/4	418.36	1/4	109.29	1/4		1/4		1/4	
1/2	2,117.92	1/2	1,775.87	1/2	1,433.82	1/2	1,091.78	1/2	752.28	1/2	411.44	1/2	103.37	1/2		1/2		1/2	
3/4	2,110.79	3/4	1,768.75	3/4	1,426.70	3/4	1,084.65	3/4	745.19	3/4	404.52	3/4	97.46	3/4		3/4		3/4	
1	2,103.67	1	1,761.62	1	1,419.57	1	1,077.52	1	738.10	1	397.60	1	91.54	1		1		1	
1/4	2,096.54	1/4	1,754.49	1/4	1,412.45	1/4	1,070.43	1/4	730.97	1/4	390.77	1/4	85.71	1/4		1/4		1/4	
1/2	2,089.42	1/2	1,747.37	1/2	1,405.32	1/2	1,063.34	1/2	723.85	1/2	383.93	1/2	79.89	1/2		1/2		1/2	
3/4	2,082.29	3/4	1,740.24	3/4	1,398.19	3/4	1,056.25	3/4	716.72	3/4	377.10	3/4	74.06	3/4		3/4		3/4	
2	2,075.16	2	1,733.12	2	1,391.07	2	1,049.16	2	709.59	2	370.26	2	68.24	2		2		2	
1/4	2,068.04	1/4	1,725.99	1/4	1,383.94	1/4	1,042.08	1/4	702.47	1/4	363.51	1/4	62.52	1/4		1/4		1/4	
1/2	2,060.91	1/2	1,718.86	1/2	1,376.82	1/2	1,035.01	1/2	695.34	1/2	356.76	1/2	56.81	1/2		1/2		1/2	
3/4	2,053.79	3/4	1,711.74	3/4	1,369.69	3/4	1,027.93	3/4	688.22	3/4	350.01	3/4	51.09	3/4		3/4		3/4	
3	2,046.66	3	1,704.61	3	1,362.56	3	1,020.86	3	681.09	3	343.26	3	45.38	3		3		3	
1/4	2,039.53	1/4	1,697.49	1/4	1,355.44	1/4	1,013.79	1/4	673.97	1/4	336.59	1/4	40.60	1/4		1/4		1/4	
1/2	2,032.41	1/2	1,690.36	1/2	1,348.31	1/2	1,006.73	1/2	666.84	1/2	329.92	1/2	35.82	1/2		1/2		1/2	
3/4	2,025.28	3/4	1,683.23	3/4	1,341.19	3/4	999.66	3/4	659.71	3/4	323.26	3/4	31.05	3/4		3/4		3/4	
4	2,018.16	4	1,676.11	4	1,334.06	4	992.60	4	652.59	4	316.59	4	26.27	4		4		4	
1/4	2,011.03	1/4	1,668.98	1/4	1,326.93	1/4	985.53	1/4	645.46	1/4	310.00	1/4	23.36	1/4		1/4		1/4	
1/2	2,003.90	1/2	1,661.86	1/2	1,319.81	1/2	978.47	1/2	638.34	1/2	303.42	1/2	20.44	1/2		1/2		1/2	
3/4	1,996.78	3/4	1,654.73	3/4	1,312.68	3/4	971.40	3/4	631.21	3/4	296.83	3/4	17.53	3/4		3/4		3/4	
5	1,989.65	5	1,647.60	5	1,305.56	5	964.33	5	624.09	5	290.25	5	14.62	5		5		5	
1/4	1,982.53	1/4	1,640.48	1/4	1,298.43	1/4	957.27	1/4	616.96	1/4	283.75	1/4		1/4		1/4		1/4	
1/2	1,975.40	1/2	1,633.35	1/2	1,291.30	1/2	950.20	1/2	609.84	1/2	277.25	1/2		1/2		1/2		1/2	
3/4	1,968.27	3/4	1,626.23	3/4	1,284.18	3/4	943.14	3/4	602.71	3/4	270.75	3/4		3/4		3/4		3/4	
6	1,961.15	6	1,619.10	6	1,277.05	6	936.07	6	595.58	6	264.24	6		6		6		6	
1/4	1,954.02	1/4	1,611.97	1/4	1,269.93	1/4	929.01	1/4	588.46	1/4	257.83	1/4		1/4		1/4		1/4	
1/2	1,946.90	1/2	1,604.85	1/2	1,262.80	1/2	921.94	1/2	581.33	1/2	251.41	1/2		1/2		1/2		1/2	
3/4	1,939.77	3/4	1,597.72	3/4	1,255.67	3/4	914.87	3/4	574.21	3/4	244.99	3/4		3/4		3/4		3/4	
7	1,932.64	7	1,590.60	7	1,248.55	7	907.81	7	567.08	7	238.57	7		7		7		7	
1/4	1,925.52	1/4	1,583.47	1/4	1,241.42	1/4	900.74	1/4	559.96	1/4	232.24	1/4		1/4		1/4		1/4	
1/2	1,918.39	1/2	1,576.34	1/2	1,234.30	1/2	893.68	1/2	552.83	1/2	225.90	1/2		1/2		1/2		1/2	
3/4	1,911.27	3/4	1,569.22	3/4	1,227.17	3/4	886.61	3/4	545.70	3/4	219.57	3/4		3/4		3/4		3/4	
8	1,904.14	8	1,562.09	8	1,220.04	8	879.55	8	538.58	8	213.23	8		8		8		8	
1/4	1,897.01	1/4	1,554.97	1/4	1,212.92	1/4	872.48	1/4	531.45	1/4	206.98	1/4		1/4		1/4		1/4	
1/2	1,889.89	1/2	1,547.84	1/2	1,205.79	1/2	865.42	1/2	524.33	1/2	200.73	1/2		1/2		1/2		1/2	
3/4	1,882.76	3/4	1,540.71	3/4	1,198.67	3/4	858.35	3/4	517.20	3/4	194.48	3/4		3/4		3/4		3/4	
9	1,875.64	9	1,533.59	9	1,191.54	9	851.28	9	510.08	9	188.23	9		9		9		9	
1/4	1,868.51	1/4	1,526.46	1/4	1,184.41	1/4	844.22	1/4	502.95	1/4	182.06	1/4		1/4		1/4		1/4	
1/2	1,861.38	1/2	1,519.34	1/2	1,177.29	1/2	837.15	1/2	495.82	1/2	175.89	1/2		1/2		1/2		1/2	
3/4	1,854.26	3/4	1,512.21	3/4	1,170.16	3/4	830.09	3/4	488.70	3/4	169.72	3/4		3/4		3/4		3/4	
10	1,847.13	10	1,505.08	10	1,163.04	10	823.02	10	481.57	10	163.55	10		10		10		10	
1/4	1,840.01	1/4	1,497.96	1/4	1,155.91	1/4	815.96	1/4	474.49	1/4	157.47	1/4		1/4		1/4		1/4	
1/2	1,832.88	1/2	1,490.83	1/2	1,148.78	1/2	808.89	1/2	467.41	1/2	151.38	1/2		1/2		1/2		1/2	
3/4	1,825.75	3/4	1,483.71	3/4	1,141.66	3/4	801.83	3/4	460.34	3/4	145.30	3/4		3/4		3/4		3/4	
11	1,818.63	11	1,476.58	11	1,134.53	11	794.76	11	453.26	11	139.21	11		11		11		11	
1/4	1,811.50	1/4	1,469.45	1/4	1,127.41	1/4	787.69	1/4	446.26	1/4	133.21	1/4		1/4		1/4		1/4	
1/2	1,804.38	1/2	1,462.33	1/2	1,120.28	1/2	780.61	1/2	439.26	1/2	127.21	1/2		1/2		1/2		1/2	
3/4	1,797.25	3/4	1,455.20	3/4	1,113.15	3/4	773.54	3/4	432.27	3/4	121.21	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
RECALCULATED: 05/13/2021 CL
REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 STBD
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,858.70	0	4,517.58	0	4,175.88	0	3,832.97	0	3,490.10	0	3,147.28	0	2,804.42	0	2,461.50
1/4		1/4		1/4	4,851.63	1/4	4,510.47	1/4	4,168.73	1/4	3,825.83	1/4	3,482.96	1/4	3,140.14	1/4	2,797.27	1/4	2,454.36
1/2		1/2		1/2	4,844.56	1/2	4,503.36	1/2	4,161.59	1/2	3,818.68	1/2	3,475.82	1/2	3,133.00	1/2	2,790.13	1/2	2,447.21
3/4		3/4		3/4	4,837.50	3/4	4,496.24	3/4	4,154.45	3/4	3,811.54	3/4	3,468.67	3/4	3,125.86	3/4	2,782.99	3/4	2,440.07
1		1		1	4,830.43	1	4,489.13	1	4,147.30	1	3,804.39	1	3,461.53	1	3,118.72	1	2,775.84	1	2,432.92
1/4		1/4		1/4	4,823.36	1/4	4,482.02	1/4	4,140.16	1/4	3,797.25	1/4	3,454.39	1/4	3,111.57	1/4	2,768.70	1/4	2,425.78
1/2		1/2		1/2	4,816.25	1/2	4,474.91	1/2	4,133.01	1/2	3,790.11	1/2	3,447.25	1/2	3,104.43	1/2	2,761.56	1/2	2,418.64
3/4		3/4		3/4	4,809.14	3/4	4,467.80	3/4	4,125.87	3/4	3,782.96	3/4	3,440.11	3/4	3,097.29	3/4	2,754.41	3/4	2,411.49
2		2		2	4,802.03	2	4,460.69	2	4,118.73	2	3,775.82	2	3,432.96	2	3,090.15	2	2,747.27	2	2,404.35
1/4		1/4		1/4	4,794.92	1/4	4,453.58	1/4	4,111.58	1/4	3,768.68	1/4	3,425.82	1/4	3,083.01	1/4	2,740.12	1/4	2,397.20
1/2		1/2		1/2	4,787.81	1/2	4,446.47	1/2	4,104.44	1/2	3,761.53	1/2	3,418.68	1/2	3,075.86	1/2	2,732.98	1/2	2,390.06
3/4		3/4		3/4	4,780.70	3/4	4,439.35	3/4	4,097.29	3/4	3,754.39	3/4	3,411.54	3/4	3,068.72	3/4	2,725.84	3/4	2,382.91
3		3		3	4,773.59	3	4,432.24	3	4,090.15	3	3,747.24	3	3,404.40	3	3,061.58	3	2,718.69	3	2,375.77
1/4		1/4		1/4	4,766.47	1/4	4,425.13	1/4	4,083.01	1/4	3,740.10	1/4	3,397.25	1/4	3,054.44	1/4	2,711.55	1/4	2,368.63
1/2		1/2		1/2	4,759.36	1/2	4,418.02	1/2	4,075.86	1/2	3,732.96	1/2	3,390.11	1/2	3,047.30	1/2	2,704.41	1/2	2,361.48
3/4		3/4		3/4	4,752.25	3/4	4,410.91	3/4	4,068.72	3/4	3,725.81	3/4	3,382.97	3/4	3,040.15	3/4	2,697.26	3/4	2,354.34
4		4		4	4,745.14	4	4,403.80	4	4,061.57	4	3,718.67	4	3,375.83	4	3,033.01	4	2,690.12	4	2,347.19
1/4		1/4		1/4	4,738.03	1/4	4,396.69	1/4	4,054.43	1/4	3,711.52	1/4	3,368.69	1/4	3,025.87	1/4	2,682.97	1/4	2,340.05
1/2		1/2		1/2	4,730.92	1/2	4,389.57	1/2	4,047.29	1/2	3,704.38	1/2	3,361.54	1/2	3,018.73	1/2	2,675.83	1/2	2,332.90
3/4		3/4		3/4	4,723.81	3/4	4,382.46	3/4	4,040.14	3/4	3,697.24	3/4	3,354.40	3/4	3,011.59	3/4	2,668.69	3/4	2,325.76
5		5		5	4,716.69	5	4,375.35	5	4,033.00	5	3,690.09	5	3,347.26	5	3,004.44	5	2,661.54	5	2,318.61
1/4		1/4	5,024.14	1/4	4,709.58	1/4	4,368.24	1/4	4,025.86	1/4	3,682.95	1/4	3,340.12	1/4	2,997.30	1/4	2,654.40	1/4	2,311.47
1/2		1/2	5,020.35	1/2	4,702.47	1/2	4,361.13	1/2	4,018.71	1/2	3,675.80	1/2	3,332.98	1/2	2,990.16	1/2	2,647.25	1/2	2,304.33
3/4		3/4	5,016.56	3/4	4,695.36	3/4	4,354.02	3/4	4,011.57	3/4	3,668.66	3/4	3,325.83	3/4	2,983.01	3/4	2,640.11	3/4	2,297.18
6		6	5,012.77	6	4,688.25	6	4,346.91	6	4,004.42	6	3,661.52	6	3,318.69	6	2,975.87	6	2,632.97	6	2,290.04
1/4		1/4	5,008.98	1/4	4,681.14	1/4	4,339.80	1/4	3,997.28	1/4	3,654.37	1/4	3,311.55	1/4	2,968.73	1/4	2,625.82	1/4	2,282.89
1/2		1/2	5,003.99	1/2	4,674.03	1/2	4,332.68	1/2	3,990.14	1/2	3,647.23	1/2	3,304.41	1/2	2,961.58	1/2	2,618.68	1/2	2,275.75
3/4		3/4	4,999.01	3/4	4,666.92	3/4	4,325.57	3/4	3,982.99	3/4	3,640.08	3/4	3,297.27	3/4	2,954.44	3/4	2,611.53	3/4	2,268.60
7		7	4,994.03	7	4,659.80	7	4,318.46	7	3,975.85	7	3,632.94	7	3,290.12	7	2,947.29	7	2,604.39	7	2,261.46
1/4		1/4	4,989.05	1/4	4,652.69	1/4	4,311.35	1/4	3,968.70	1/4	3,625.80	1/4	3,282.98	1/4	2,940.15	1/4	2,597.25	1/4	2,254.31
1/2		1/2	4,982.87	1/2	4,645.58	1/2	4,304.24	1/2	3,961.56	1/2	3,618.66	1/2	3,275.84	1/2	2,933.01	1/2	2,590.10	1/2	2,247.17
3/4		3/4	4,976.70	3/4	4,638.47	3/4	4,297.13	3/4	3,954.42	3/4	3,611.51	3/4	3,268.70	3/4	2,925.86	3/4	2,582.96	3/4	2,240.03
8		8	4,970.53	8	4,631.36	8	4,290.02	8	3,947.27	8	3,604.37	8	3,261.56	8	2,918.72	8	2,575.81	8	2,232.88
1/4		1/4	4,964.35	1/4	4,624.25	1/4	4,282.91	1/4	3,940.13	1/4	3,597.23	1/4	3,254.41	1/4	2,911.58	1/4	2,568.67	1/4	2,225.74
1/2		1/2	4,957.36	1/2	4,617.14	1/2	4,275.79	1/2	3,932.98	1/2	3,590.09	1/2	3,247.27	1/2	2,904.43	1/2	2,561.52	1/2	2,218.59
3/4		3/4	4,950.36	3/4	4,610.03	3/4	4,268.68	3/4	3,925.84	3/4	3,582.95	3/4	3,240.13	3/4	2,897.29	3/4	2,554.38	3/4	2,211.45
9		9	4,943.36	9	4,602.91	9	4,261.57	9	3,918.70	9	3,575.80	9	3,232.99	9	2,890.14	9	2,547.24	9	2,204.30
1/4		1/4	4,936.36	1/4	4,595.80	1/4	4,254.46	1/4	3,911.55	1/4	3,568.66	1/4	3,225.85	1/4	2,883.00	1/4	2,540.09	1/4	2,197.16
1/2		1/2	4,929.31	1/2	4,588.69	1/2	4,247.32	1/2	3,904.41	1/2	3,561.52	1/2	3,218.70	1/2	2,875.86	1/2	2,532.95	1/2	2,190.02
3/4		3/4	4,922.26	3/4	4,581.58	3/4	4,240.17	3/4	3,897.27	3/4	3,554.38	3/4	3,211.56	3/4	2,868.71	3/4	2,525.80	3/4	2,182.87
10		10	4,915.21	10	4,574.47	10	4,233.03	10	3,890.12	10	3,547.24	10	3,204.42	10	2,861.57	10	2,518.66	10	2,175.73
1/4		1/4	4,908.16	1/4	4,567.36	1/4	4,225.88	1/4	3,882.98	1/4	3,540.09	1/4	3,197.28	1/4	2,854.43	1/4	2,511.51	1/4	2,168.58
1/2		1/2	4,901.09	1/2	4,560.25	1/2	4,218.74	1/2	3,875.83	1/2	3,532.95	1/2	3,190.14	1/2	2,847.28	1/2	2,504.37	1/2	2,161.44
3/4		3/4	4,894.03	3/4	4,553.13	3/4	4,211.60	3/4	3,868.69	3/4	3,525.81	3/4	3,182.99	3/4	2,840.14	3/4	2,497.22	3/4	2,154.29
11		11	4,886.96	11	4,546.02	11	4,204.45	11	3,861.55	11	3,518.67	11	3,175.85	11	2,832.99	11	2,490.08	11	2,147.15
1/4		1/4	4,879.90	1/4	4,538.91	1/4	4,197.31	1/4	3,854.40	1/4	3,511.53	1/4	3,168.71	1/4	2,825.85	1/4	2,482.94	1/4	2,140.00
1/2		1/2	4,872.83	1/2	4,531.80	1/2	4,190.17	1/2	3,847.26	1/2	3,504.38	1/2	3,161.57	1/2	2,818.71	1/2	2,475.79	1/2	2,132.86
3/4		3/4	4,865.76	3/4	4,524.69	3/4	4,183.02	3/4	3,840.11	3/4	3,497.24	3/4	3,154.43	3/4	2,811.56	3/4	2,468.65	3/4	2,125.72

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,118.57	0	1,775.64	0	1,432.71	0	1,089.78	0	747.14	0	405.52	0	97.69	0		0		0	
1/4	2,111.43	1/4	1,768.50	1/4	1,425.56	1/4	1,082.63	1/4	739.99	1/4	398.58	1/4	91.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,104.28	1/2	1,761.35	1/2	1,418.42	1/2	1,075.49	1/2	732.85	1/2	391.73	1/2	85.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,097.14	3/4	1,754.21	3/4	1,411.28	3/4	1,068.34	3/4	725.71	3/4	384.88	3/4	80.08	3/4	3/4	3/4	3/4	3/4	3/4
1	2,089.99	1	1,747.06	1	1,404.13	1	1,061.20	1	718.56	1	378.03	1	74.24	1		1		1	
1/4	2,082.85	1/4	1,739.92	1/4	1,396.99	1/4	1,054.06	1/4	711.42	1/4	371.17	1/4	68.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.70	1/2	1,732.77	1/2	1,389.84	1/2	1,046.91	1/2	704.27	1/2	364.41	1/2	62.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.56	3/4	1,725.63	3/4	1,382.70	3/4	1,039.77	3/4	697.13	3/4	357.64	3/4	56.94	3/4	3/4	3/4	3/4	3/4	3/4
2	2,061.42	2	1,718.48	2	1,375.55	2	1,032.62	2	689.99	2	350.87	2	51.21	2		2		2	
1/4	2,054.27	1/4	1,711.34	1/4	1,368.41	1/4	1,025.48	1/4	682.84	1/4	344.10	1/4	45.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.13	1/2	1,704.20	1/2	1,361.26	1/2	1,018.34	1/2	675.70	1/2	337.42	1/2	40.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.98	3/4	1,697.05	3/4	1,354.12	3/4	1,011.21	3/4	668.55	3/4	330.73	3/4	35.91	3/4	3/4	3/4	3/4	3/4	3/4
3	2,032.84	3	1,689.91	3	1,346.98	3	1,004.07	3	661.41	3	324.05	3	31.12	3		3		3	
1/4	2,025.69	1/4	1,682.76	1/4	1,339.83	1/4	996.94	1/4	654.27	1/4	317.36	1/4	26.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,018.55	1/2	1,675.62	1/2	1,332.69	1/2	989.80	1/2	647.12	1/2	310.76	1/2	23.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,011.41	3/4	1,668.47	3/4	1,325.54	3/4	982.67	3/4	639.98	3/4	304.16	3/4	20.49	3/4	3/4	3/4	3/4	3/4	3/4
4	2,004.26	4	1,661.33	4	1,318.40	4	975.53	4	632.83	4	297.56	4	17.57	4		4		4	
1/4	1,997.12	1/4	1,654.19	1/4	1,311.25	1/4	968.40	1/4	625.69	1/4	290.96	1/4	14.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,989.97	1/2	1,647.04	1/2	1,304.11	1/2	961.26	1/2	618.54	1/2	284.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.83	3/4	1,639.90	3/4	1,296.97	3/4	954.13	3/4	611.40	3/4	277.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	1,975.68	5	1,632.75	5	1,289.82	5	946.99	5	604.26	5	271.40	5		5		5		5	
1/4	1,968.54	1/4	1,625.61	1/4	1,282.68	1/4	939.85	1/4	597.11	1/4	264.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,961.39	1/2	1,618.46	1/2	1,275.53	1/2	932.72	1/2	589.97	1/2	258.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,954.25	3/4	1,611.32	3/4	1,268.39	3/4	925.58	3/4	582.82	3/4	252.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,947.11	6	1,604.17	6	1,261.24	6	918.45	6	575.68	6	245.58	6		6		6		6	
1/4	1,939.96	1/4	1,597.03	1/4	1,254.10	1/4	911.31	1/4	568.54	1/4	239.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,932.82	1/2	1,589.89	1/2	1,246.95	1/2	904.18	1/2	561.39	1/2	232.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,925.67	3/4	1,582.74	3/4	1,239.81	3/4	897.04	3/4	554.25	3/4	226.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,918.53	7	1,575.60	7	1,232.67	7	889.91	7	547.10	7	220.10	7		7		7		7	
1/4	1,911.38	1/4	1,568.45	1/4	1,225.52	1/4	882.77	1/4	539.96	1/4	213.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,904.24	1/2	1,561.31	1/2	1,218.38	1/2	875.63	1/2	532.82	1/2	207.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,897.09	3/4	1,554.16	3/4	1,211.23	3/4	868.50	3/4	525.67	3/4	201.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,889.95	8	1,547.02	8	1,204.09	8	861.36	8	518.53	8	194.95	8		8		8		8	
1/4	1,882.81	1/4	1,539.87	1/4	1,196.94	1/4	854.23	1/4	511.38	1/4	188.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.66	1/2	1,532.73	1/2	1,189.80	1/2	847.09	1/2	504.24	1/2	182.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.52	3/4	1,525.59	3/4	1,182.65	3/4	839.96	3/4	497.09	3/4	176.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,861.37	9	1,518.44	9	1,175.51	9	832.82	9	489.95	9	170.13	9		9		9		9	
1/4	1,854.23	1/4	1,511.30	1/4	1,168.37	1/4	825.69	1/4	482.81	1/4	163.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,847.08	1/2	1,504.15	1/2	1,161.22	1/2	818.55	1/2	475.70	1/2	157.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,839.94	3/4	1,497.01	3/4	1,154.08	3/4	811.42	3/4	468.60	3/4	151.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,832.80	10	1,489.86	10	1,146.93	10	804.28	10	461.50	10	145.65	10		10		10		10	
1/4	1,825.65	1/4	1,482.72	1/4	1,139.79	1/4	797.15	1/4	454.40	1/4	139.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.51	1/2	1,475.58	1/2	1,132.64	1/2	790.00	1/2	447.38	1/2	133.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.36	3/4	1,468.43	3/4	1,125.50	3/4	782.86	3/4	440.36	3/4	127.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,804.22	11	1,461.29	11	1,118.36	11	775.71	11	433.34	11	121.50	11		11		11		11	
1/4	1,797.07	1/4	1,454.14	1/4	1,111.21	1/4	768.57	1/4	426.32	1/4	115.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.93	1/2	1,447.00	1/2	1,104.07	1/2	761.43	1/2	419.39	1/2	109.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.78	3/4	1,439.85	3/4	1,096.92	3/4	754.28	3/4	412.45	3/4	103.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 RECALCULATED: 05/13/2021 CL
 REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05 3/8"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,953.59	0	4,611.56	0	4,268.90	0	3,924.87	0	3,580.85	0	3,236.82	0	2,892.75	0	2,548.62
1/4		1/4		1/4	4,946.50	1/4	4,604.43	1/4	4,261.73	1/4	3,917.71	1/4	3,573.68	1/4	3,229.65	1/4	2,885.58	1/4	2,541.45
1/2		1/2		1/2	4,939.41	1/2	4,597.29	1/2	4,254.56	1/2	3,910.54	1/2	3,566.51	1/2	3,222.49	1/2	2,878.41	1/2	2,534.28
3/4		3/4		3/4	4,932.32	3/4	4,590.16	3/4	4,247.40	3/4	3,903.37	3/4	3,559.35	3/4	3,215.32	3/4	2,871.24	3/4	2,527.11
1		1		1	4,925.23	1	4,583.02	1	4,240.23	1	3,896.20	1	3,552.18	1	3,208.15	1	2,864.07	1	2,519.94
1/4		1/4		1/4	4,918.14	1/4	4,575.89	1/4	4,233.06	1/4	3,889.04	1/4	3,545.01	1/4	3,200.99	1/4	2,856.90	1/4	2,512.78
1/2		1/2		1/2	4,911.05	1/2	4,568.76	1/2	4,225.89	1/2	3,881.87	1/2	3,537.84	1/2	3,193.82	1/2	2,849.73	1/2	2,505.61
3/4		3/4		3/4	4,903.96	3/4	4,561.62	3/4	4,218.73	3/4	3,874.70	3/4	3,530.68	3/4	3,186.65	3/4	2,842.56	3/4	2,498.44
2		2		2	4,896.87	2	4,554.49	2	4,211.56	2	3,867.53	2	3,523.51	2	3,179.48	2	2,835.39	2	2,491.27
1/4		1/4		1/4	4,889.78	1/4	4,547.35	1/4	4,204.39	1/4	3,860.37	1/4	3,516.34	1/4	3,172.32	1/4	2,828.22	1/4	2,484.10
1/2		1/2		1/2	4,882.67	1/2	4,540.22	1/2	4,197.23	1/2	3,853.20	1/2	3,509.17	1/2	3,165.15	1/2	2,821.06	1/2	2,476.93
3/4		3/4		3/4	4,875.54	3/4	4,533.08	3/4	4,190.06	3/4	3,846.03	3/4	3,502.01	3/4	3,157.98	3/4	2,813.89	3/4	2,469.76
3		3		3	4,868.40	3	4,525.95	3	4,182.89	3	3,838.87	3	3,494.84	3	3,150.81	3	2,806.72	3	2,462.59
1/4		1/4		1/4	4,861.27	1/4	4,518.82	1/4	4,175.72	1/4	3,831.70	1/4	3,487.67	1/4	3,143.65	1/4	2,799.55	1/4	2,455.42
1/2		1/2		1/2	4,854.13	1/2	4,511.68	1/2	4,168.56	1/2	3,824.53	1/2	3,480.51	1/2	3,136.48	1/2	2,792.38	1/2	2,448.25
3/4		3/4		3/4	4,847.00	3/4	4,504.55	3/4	4,161.39	3/4	3,817.36	3/4	3,473.34	3/4	3,129.31	3/4	2,785.21	3/4	2,441.08
4		4		4	4,839.86	4	4,497.41	4	4,154.22	4	3,810.20	4	3,466.17	4	3,122.15	4	2,778.04	4	2,433.91
1/4		1/4		1/4	4,832.73	1/4	4,490.28	1/4	4,147.06	1/4	3,803.03	1/4	3,459.00	1/4	3,114.98	1/4	2,770.87	1/4	2,426.74
1/2		1/2		1/2	4,825.59	1/2	4,483.14	1/2	4,139.89	1/2	3,795.86	1/2	3,451.84	1/2	3,107.81	1/2	2,763.70	1/2	2,419.57
3/4		3/4		3/4	4,818.46	3/4	4,476.01	3/4	4,132.72	3/4	3,788.70	3/4	3,444.67	3/4	3,100.64	3/4	2,756.53	3/4	2,412.41
5		5		5	4,811.33	5	4,468.87	5	4,125.55	5	3,781.53	5	3,437.50	5	3,093.48	5	2,749.36	5	2,405.24
1/4		1/4		1/4	4,804.19	1/4	4,461.74	1/4	4,118.39	1/4	3,774.36	1/4	3,430.34	1/4	3,086.31	1/4	2,742.19	1/4	2,398.07
1/2		1/2		1/2	4,797.06	1/2	4,454.61	1/2	4,111.22	1/2	3,767.19	1/2	3,423.17	1/2	3,079.14	1/2	2,735.02	1/2	2,390.90
3/4		3/4		3/4	4,789.92	3/4	4,447.47	3/4	4,104.05	3/4	3,760.03	3/4	3,416.00	3/4	3,071.98	3/4	2,727.85	3/4	2,383.73
6		6		6	4,782.79	6	4,440.34	6	4,096.89	6	3,752.86	6	3,408.83	6	3,064.81	6	2,720.69	6	2,376.56
1/4		3/8	5,087.67	1/4	4,775.65	1/4	4,433.20	1/4	4,089.72	1/4	3,745.69	1/4	3,401.67	1/4	3,057.64	1/4	2,713.52	1/4	2,369.39
1/2		1/2	5,085.77	1/2	4,768.52	1/2	4,426.07	1/2	4,082.55	1/2	3,738.53	1/2	3,394.50	1/2	3,050.47	1/2	2,706.35	1/2	2,362.22
3/4		3/4	5,081.96	3/4	4,761.38	3/4	4,418.93	3/4	4,075.38	3/4	3,731.36	3/4	3,387.33	3/4	3,043.30	3/4	2,699.18	3/4	2,355.05
7		7	5,078.16	7	4,754.25	7	4,411.80	7	4,068.22	7	3,724.19	7	3,380.17	7	3,036.13	7	2,692.01	7	2,347.88
1/4		1/4	5,074.36	1/4	4,747.12	1/4	4,404.66	1/4	4,061.05	1/4	3,717.02	1/4	3,373.00	1/4	3,028.97	1/4	2,684.84	1/4	2,340.71
1/2		1/2	5,069.96	1/2	4,739.98	1/2	4,397.53	1/2	4,053.88	1/2	3,709.86	1/2	3,365.83	1/2	3,021.80	1/2	2,677.67	1/2	2,333.54
3/4		3/4	5,064.96	3/4	4,732.85	3/4	4,390.40	3/4	4,046.71	3/4	3,702.69	3/4	3,358.66	3/4	3,014.63	3/4	2,670.50	3/4	2,326.37
8		8	5,059.96	8	4,725.71	8	4,383.26	8	4,039.55	8	3,695.52	8	3,351.50	8	3,007.46	8	2,663.33	8	2,319.20
1/4		1/4	5,054.96	1/4	4,718.58	1/4	4,376.13	1/4	4,032.38	1/4	3,688.35	1/4	3,344.33	1/4	3,000.29	1/4	2,656.16	1/4	2,312.04
1/2		1/2	5,049.36	1/2	4,711.44	1/2	4,368.99	1/2	4,025.21	1/2	3,681.19	1/2	3,337.16	1/2	2,993.12	1/2	2,648.99	1/2	2,304.87
3/4		3/4	5,043.17	3/4	4,704.31	3/4	4,361.86	3/4	4,018.05	3/4	3,674.02	3/4	3,329.99	3/4	2,985.95	3/4	2,641.82	3/4	2,297.70
9		9	5,036.98	9	4,697.18	9	4,354.72	9	4,010.88	9	3,666.85	9	3,322.83	9	2,978.78	9	2,634.65	9	2,290.53
1/4		1/4	5,030.78	1/4	4,690.04	1/4	4,347.59	1/4	4,003.71	1/4	3,659.69	1/4	3,315.66	1/4	2,971.61	1/4	2,627.48	1/4	2,283.36
1/2		1/2	5,024.18	1/2	4,682.91	1/2	4,340.46	1/2	3,996.54	1/2	3,652.52	1/2	3,308.49	1/2	2,964.44	1/2	2,620.31	1/2	2,276.19
3/4		3/4	5,017.16	3/4	4,675.77	3/4	4,333.32	3/4	3,989.38	3/4	3,645.35	3/4	3,301.33	3/4	2,957.27	3/4	2,613.15	3/4	2,269.02
10		10	5,010.14	10	4,668.64	10	4,326.19	10	3,982.21	10	3,638.18	10	3,294.16	10	2,950.10	10	2,605.98	10	2,261.85
1/4		1/4	5,003.12	1/4	4,661.50	1/4	4,319.05	1/4	3,975.04	1/4	3,631.02	1/4	3,286.99	1/4	2,942.93	1/4	2,598.81	1/4	2,254.68
1/2		1/2	4,996.07	1/2	4,654.37	1/2	4,311.90	1/2	3,967.88	1/2	3,623.85	1/2	3,279.82	1/2	2,935.76	1/2	2,591.64	1/2	2,247.51
3/4		3/4	4,988.99	3/4	4,647.23	3/4	4,304.73	3/4	3,960.71	3/4	3,616.68	3/4	3,272.66	3/4	2,928.59	3/4	2,584.47	3/4	2,240.34
11		11	4,981.92	11	4,640.10	11	4,297.57	11	3,953.54	11	3,609.52	11	3,265.49	11	2,921.43	11	2,577.30	11	2,233.17
1/4		1/4	4,974.84	1/4	4,632.97	1/4	4,290.40	1/4	3,946.37	1/4	3,602.35	1/4	3,258.32	1/4	2,914.26	1/4	2,570.13	1/4	2,226.00
1/2		1/2	4,967.76	1/2	4,625.83	1/2	4,283.23	1/2	3,939.21	1/2	3,595.18	1/2	3,251.16	1/2	2,907.09	1/2	2,562.96	1/2	2,218.83
3/4		3/4	4,960.68	3/4	4,618.70	3/4	4,276.07	3/4	3,932.04	3/4	3,588.01	3/4	3,243.99	3/4	2,899.92	3/4	2,555.79	3/4	2,211.66

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 3/8"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,204.50	0	1,860.37	0	1,516.24	0	1,172.12	0	840.94	0	498.41	0	154.30	0		0		0	
1/4	2,197.33	1/4	1,853.20	1/4	1,509.07	1/4	1,164.95	1/4	834.08	1/4	491.24	1/4	147.13	1/4		1/4		1/4	
1/2	2,190.16	1/2	1,846.03	1/2	1,501.90	1/2	1,157.78	1/2	827.20	1/2	484.07	1/2	139.96	1/2		1/2		1/2	
3/4	2,182.99	3/4	1,838.86	3/4	1,494.73	3/4	1,150.61	3/4	820.31	3/4	476.91	3/4	132.80	3/4		3/4		3/4	
1	2,175.82	1	1,831.69	1	1,487.57	1	1,143.44	1	813.43	1	469.74	1	125.63	1		1		1	
1/4	2,168.65	1/4	1,824.52	1/4	1,480.40	1/4	1,136.27	1/4	806.54	1/4	462.57	1/4	118.46	1/4		1/4		1/4	
1/2	2,161.48	1/2	1,817.35	1/2	1,473.23	1/2	1,129.24	1/2	799.51	1/2	455.40	1/2	111.30	1/2		1/2		1/2	
3/4	2,154.31	3/4	1,810.18	3/4	1,466.06	3/4	1,122.36	3/4	792.34	3/4	448.23	3/4	104.14	3/4		3/4		3/4	
2	2,147.14	2	1,803.01	2	1,458.89	2	1,115.47	2	785.17	2	441.06	2	96.98	2		2		2	
1/4	2,139.97	1/4	1,795.85	1/4	1,451.72	1/4	1,108.58	1/4	778.00	1/4	433.89	1/4	89.82	1/4		1/4		1/4	
1/2	2,132.80	1/2	1,788.68	1/2	1,444.55	1/2	1,101.71	1/2	770.83	1/2	426.72	1/2	82.68	1/2		1/2		1/2	
3/4	2,125.63	3/4	1,781.51	3/4	1,437.38	3/4	1,094.84	3/4	763.67	3/4	419.55	3/4	75.54	3/4		3/4		3/4	
3	2,118.46	3	1,774.34	3	1,430.21	3	1,087.97	3	756.50	3	412.38	3	68.41	3		3		3	
1/4	2,111.29	1/4	1,767.17	1/4	1,423.04	1/4	1,081.10	1/4	749.33	1/4	405.22	1/4	61.28	1/4		1/4		1/4	
1/2	2,104.13	1/2	1,760.00	1/2	1,415.87	1/2	1,074.23	1/2	742.16	1/2	398.05	1/2	54.58	1/2		1/2		1/2	
3/4	2,096.96	3/4	1,752.83	3/4	1,408.70	3/4	1,067.37	3/4	734.99	3/4	390.88	3/4	48.30	3/4		3/4		3/4	
4	2,089.79	4	1,745.66	4	1,401.53	4	1,060.51	4	727.82	4	383.71	4	42.03	4		4		4	
1/4	2,082.62	1/4	1,738.49	1/4	1,394.36	1/4	1,053.65	1/4	720.65	1/4	376.54	1/4	35.76	1/4		1/4		1/4	
1/2	2,075.45	1/2	1,731.32	1/2	1,387.20	1/2	1,046.79	1/2	713.48	1/2	369.37	1/2	30.39	1/2		1/2		1/2	
3/4	2,068.28	3/4	1,724.15	3/4	1,380.03	3/4	1,039.93	3/4	706.31	3/4	362.20	3/4	25.91	3/4		3/4		3/4	
5	2,061.11	5	1,716.98	5	1,372.86	5	1,033.07	5	699.14	5	355.03	5	21.42	5		5		5	
1/4	2,053.94	1/4	1,709.81	1/4	1,365.69	1/4	1,026.21	1/4	691.98	1/4	347.86	1/4	16.94	1/4		1/4		1/4	
1/2	2,046.77	1/2	1,702.64	1/2	1,358.52	1/2	1,019.35	1/2	684.81	1/2	340.69	1/2	14.70	1/2		1/2		1/2	
3/4	2,039.60	3/4	1,695.48	3/4	1,351.35	3/4	1,012.49	3/4	677.64	3/4	333.53	3/4		3/4		3/4		3/4	
6	2,032.43	6	1,688.31	6	1,344.18	6	1,005.62	6	670.47	6	326.36	6		6		6		6	
1/4	2,025.26	1/4	1,681.14	1/4	1,337.01	1/4	998.76	1/4	663.30	1/4	319.19	1/4		1/4		1/4		1/4	
1/2	2,018.09	1/2	1,673.97	1/2	1,329.84	1/2	991.90	1/2	656.13	1/2	312.02	1/2		1/2		1/2		1/2	
3/4	2,010.92	3/4	1,666.80	3/4	1,322.67	3/4	985.04	3/4	648.96	3/4	304.85	3/4		3/4		3/4		3/4	
7	2,003.76	7	1,659.63	7	1,315.50	7	978.18	7	641.79	7	297.68	7		7		7		7	
1/4	1,996.59	1/4	1,652.46	1/4	1,308.33	1/4	971.32	1/4	634.62	1/4	290.51	1/4		1/4		1/4		1/4	
1/2	1,989.42	1/2	1,645.29	1/2	1,301.16	1/2	964.46	1/2	627.45	1/2	283.34	1/2		1/2		1/2		1/2	
3/4	1,982.25	3/4	1,638.12	3/4	1,293.99	3/4	957.60	3/4	620.29	3/4	276.17	3/4		3/4		3/4		3/4	
8	1,975.08	8	1,630.95	8	1,286.83	8	950.74	8	613.12	8	269.00	8		8		8		8	
1/4	1,967.91	1/4	1,623.78	1/4	1,279.66	1/4	943.88	1/4	605.95	1/4	261.84	1/4		1/4		1/4		1/4	
1/2	1,960.74	1/2	1,616.61	1/2	1,272.49	1/2	937.02	1/2	598.78	1/2	254.67	1/2		1/2		1/2		1/2	
3/4	1,953.57	3/4	1,609.44	3/4	1,265.32	3/4	930.15	3/4	591.61	3/4	247.50	3/4		3/4		3/4		3/4	
9	1,946.40	9	1,602.27	9	1,258.15	9	923.29	9	584.44	9	240.33	9		9		9		9	
1/4	1,939.23	1/4	1,595.11	1/4	1,250.98	1/4	916.43	1/4	577.27	1/4	233.16	1/4		1/4		1/4		1/4	
1/2	1,932.06	1/2	1,587.94	1/2	1,243.81	1/2	909.57	1/2	570.10	1/2	225.99	1/2		1/2		1/2		1/2	
3/4	1,924.89	3/4	1,580.77	3/4	1,236.64	3/4	902.71	3/4	562.93	3/4	218.82	3/4		3/4		3/4		3/4	
10	1,917.72	10	1,573.60	10	1,229.47	10	895.85	10	555.76	10	211.65	10		10		10		10	
1/4	1,910.55	1/4	1,566.43	1/4	1,222.30	1/4	888.99	1/4	548.60	1/4	204.48	1/4		1/4		1/4		1/4	
1/2	1,903.38	1/2	1,559.26	1/2	1,215.13	1/2	882.13	1/2	541.43	1/2	197.31	1/2		1/2		1/2		1/2	
3/4	1,896.22	3/4	1,552.09	3/4	1,207.96	3/4	875.27	3/4	534.26	3/4	190.15	3/4		3/4		3/4		3/4	
11	1,889.05	11	1,544.92	11	1,200.79	11	868.41	11	527.09	11	182.98	11		11		11		11	
1/4	1,881.88	1/4	1,537.75	1/4	1,193.62	1/4	861.55	1/4	519.92	1/4	175.81	1/4		1/4		1/4		1/4	
1/2	1,874.71	1/2	1,530.58	1/2	1,186.45	1/2	854.68	1/2	512.75	1/2	168.64	1/2		1/2		1/2		1/2	
3/4	1,867.54	3/4	1,523.41	3/4	1,179.29	3/4	847.81	3/4	505.58	3/4	161.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
RECALCULATED: 05/13/2021 CL
REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 STBD ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,943.95	0	4,602.16	0	4,259.75	0	3,916.06	0	3,572.40	0	3,228.81	0	2,885.17	0	2,541.48
1/4		1/4		1/4	4,936.87	1/4	4,595.03	1/4	4,252.58	1/4	3,908.90	1/4	3,565.24	1/4	3,221.65	1/4	2,878.01	1/4	2,534.32
1/2		1/2		1/2	4,929.79	1/2	4,587.90	1/2	4,245.42	1/2	3,901.74	1/2	3,558.08	1/2	3,214.49	1/2	2,870.85	1/2	2,527.16
3/4		3/4		3/4	4,922.71	3/4	4,580.77	3/4	4,238.26	3/4	3,894.57	3/4	3,550.93	3/4	3,207.33	3/4	2,863.68	3/4	2,520.00
1		1		1	4,915.62	1	4,573.65	1	4,231.10	1	3,887.41	1	3,543.77	1	3,200.17	1	2,856.52	1	2,512.84
1/4		1/4		1/4	4,908.54	1/4	4,566.52	1/4	4,223.94	1/4	3,880.25	1/4	3,536.61	1/4	3,193.02	1/4	2,849.36	1/4	2,505.68
1/2		1/2		1/2	4,901.46	1/2	4,559.39	1/2	4,216.78	1/2	3,873.09	1/2	3,529.45	1/2	3,185.86	1/2	2,842.20	1/2	2,498.52
3/4		3/4		3/4	4,894.38	3/4	4,552.26	3/4	4,209.62	3/4	3,865.93	3/4	3,522.29	3/4	3,178.70	3/4	2,835.04	3/4	2,491.36
2		2		2	4,887.25	2	4,545.14	2	4,202.46	2	3,858.77	2	3,515.13	2	3,171.54	2	2,827.88	2	2,484.20
1/4		1/4		1/4	4,880.12	1/4	4,538.01	1/4	4,195.30	1/4	3,851.61	1/4	3,507.98	1/4	3,164.38	1/4	2,820.72	1/4	2,477.04
1/2		1/2		1/2	4,873.00	1/2	4,530.88	1/2	4,188.14	1/2	3,844.45	1/2	3,500.82	1/2	3,157.22	1/2	2,813.56	1/2	2,469.88
3/4		3/4		3/4	4,865.87	3/4	4,523.75	3/4	4,180.98	3/4	3,837.29	3/4	3,493.66	3/4	3,150.07	3/4	2,806.40	3/4	2,462.72
3		3		3	4,858.74	3	4,516.63	3	4,173.82	3	3,830.13	3	3,486.50	3	3,142.91	3	2,799.24	3	2,455.56
1/4		1/4		1/4	4,851.61	1/4	4,509.50	1/4	4,166.66	1/4	3,822.97	1/4	3,479.34	1/4	3,135.75	1/4	2,792.08	1/4	2,448.40
1/2		1/2		1/2	4,844.49	1/2	4,502.37	1/2	4,159.50	1/2	3,815.81	1/2	3,472.19	1/2	3,128.59	1/2	2,784.92	1/2	2,441.24
3/4		3/4		3/4	4,837.36	3/4	4,495.24	3/4	4,152.34	3/4	3,808.65	3/4	3,465.03	3/4	3,121.43	3/4	2,777.76	3/4	2,434.08
4		4		4	4,830.23	4	4,488.12	4	4,145.18	4	3,801.49	4	3,457.87	4	3,114.28	4	2,770.60	4	2,426.92
1/4		1/4		1/4	4,823.11	1/4	4,480.99	1/4	4,138.02	1/4	3,794.33	1/4	3,450.71	1/4	3,107.12	1/4	2,763.44	1/4	2,419.76
1/2		1/2		1/2	4,815.98	1/2	4,473.86	1/2	4,130.86	1/2	3,787.17	1/2	3,443.55	1/2	3,099.96	1/2	2,756.28	1/2	2,412.60
3/4		3/4		3/4	4,808.85	3/4	4,466.73	3/4	4,123.70	3/4	3,780.01	3/4	3,436.39	3/4	3,092.80	3/4	2,749.12	3/4	2,405.44
5		5		5	4,801.72	5	4,459.61	5	4,116.54	5	3,772.85	5	3,429.24	5	3,085.64	5	2,741.96	5	2,398.28
1/4		1/4		1/4	4,794.60	1/4	4,452.48	1/4	4,109.38	1/4	3,765.69	1/4	3,422.08	1/4	3,078.48	1/4	2,734.80	1/4	2,391.12
1/2		1/2		1/2	4,787.47	1/2	4,445.35	1/2	4,102.22	1/2	3,758.53	1/2	3,414.92	1/2	3,071.33	1/2	2,727.64	1/2	2,383.96
3/4		3/4		3/4	5,095.61	3/4	4,780.34	3/4	4,438.23	3/4	4,095.06	3/4	3,751.37	3/4	3,407.76	3/4	3,064.17	3/4	2,376.80
6		6		6	5,091.81	6	4,773.21	6	4,431.10	6	4,087.90	6	3,744.21	6	3,400.60	6	3,057.01	6	2,369.64
1/4		1/4		1/4	5,088.01	1/4	4,766.09	1/4	4,423.97	1/4	4,080.74	1/4	3,737.05	1/4	3,393.44	1/4	3,049.85	1/4	2,362.48
1/2		1/2		1/2	5,084.21	1/2	4,758.96	1/2	4,416.84	1/2	4,073.58	1/2	3,729.89	1/2	3,386.29	1/2	3,042.69	1/2	2,355.32
3/4		3/4		3/4	5,080.41	3/4	4,751.83	3/4	4,409.72	3/4	4,066.42	3/4	3,722.73	3/4	3,379.13	3/4	3,035.53	3/4	2,348.16
7		7		7	5,075.41	7	4,744.70	7	4,402.59	7	4,059.26	7	3,715.57	7	3,371.97	7	3,028.37	7	2,341.00
1/4		1/4		1/4	5,070.42	1/4	4,737.58	1/4	4,395.46	1/4	4,052.10	1/4	3,708.41	1/4	3,364.81	1/4	3,021.21	1/4	2,333.84
1/2		1/2		1/2	5,065.42	1/2	4,730.45	1/2	4,388.33	1/2	4,044.94	1/2	3,701.25	1/2	3,357.65	1/2	3,014.05	1/2	2,326.68
3/4		3/4		3/4	5,060.43	3/4	4,723.32	3/4	4,381.21	3/4	4,037.78	3/4	3,694.09	3/4	3,350.50	3/4	3,006.89	3/4	2,319.52
8		8		8	5,054.24	8	4,716.19	8	4,374.08	8	4,030.62	8	3,686.93	8	3,343.34	8	2,999.73	8	2,312.36
1/4		1/4		1/4	5,048.06	1/4	4,709.07	1/4	4,366.95	1/4	4,023.46	1/4	3,679.77	1/4	3,336.18	1/4	2,992.57	1/4	2,305.20
1/2		1/2		1/2	5,041.87	1/2	4,701.94	1/2	4,359.82	1/2	4,016.30	1/2	3,672.61	1/2	3,329.02	1/2	2,985.41	1/2	2,298.04
3/4		3/4		3/4	5,035.68	3/4	4,694.81	3/4	4,352.70	3/4	4,009.14	3/4	3,665.46	3/4	3,321.86	3/4	2,978.25	3/4	2,290.88
9		9		9	5,028.67	9	4,687.68	9	4,345.57	9	4,001.98	9	3,658.30	9	3,314.70	9	2,971.09	9	2,283.72
1/4		1/4		1/4	5,021.65	1/4	4,680.56	1/4	4,338.44	1/4	3,994.82	1/4	3,651.14	1/4	3,307.55	1/4	2,963.93	1/4	2,276.56
1/2		1/2		1/2	5,014.64	1/2	4,673.43	1/2	4,331.31	1/2	3,987.66	1/2	3,643.98	1/2	3,300.39	1/2	2,956.77	1/2	2,269.40
3/4		3/4		3/4	5,007.63	3/4	4,666.30	3/4	4,324.19	3/4	3,980.50	3/4	3,636.82	3/4	3,293.23	3/4	2,949.61	3/4	2,262.24
10		10		10	5,000.56	10	4,659.17	10	4,317.03	10	3,973.34	10	3,629.67	10	3,286.07	10	2,942.45	10	2,255.08
1/4		1/4		1/4	4,993.49	1/4	4,652.05	1/4	4,309.87	1/4	3,966.18	1/4	3,622.51	1/4	3,278.91	1/4	2,935.29	1/4	2,247.92
1/2		1/2		1/2	4,986.42	1/2	4,644.92	1/2	4,302.71	1/2	3,959.02	1/2	3,615.35	1/2	3,271.76	1/2	2,928.13	1/2	2,240.76
3/4		3/4		3/4	4,979.36	3/4	4,637.79	3/4	4,295.55	3/4	3,951.86	3/4	3,608.19	3/4	3,264.60	3/4	2,920.97	3/4	2,233.60
11		11		11	4,972.27	11	4,630.67	11	4,288.39	11	3,944.70	11	3,601.03	11	3,257.44	11	2,913.81	11	2,226.44
1/4		1/4		1/4	4,965.19	1/4	4,623.54	1/4	4,281.23	1/4	3,937.54	1/4	3,593.87	1/4	3,250.28	1/4	2,906.65	1/4	2,219.28
1/2		1/2		1/2	4,958.11	1/2	4,616.41	1/2	4,274.07	1/2	3,930.38	1/2	3,586.72	1/2	3,243.12	1/2	2,899.49	1/2	2,212.12
3/4		3/4		3/4	4,951.03	3/4	4,609.28	3/4	4,266.91	3/4	3,923.22	3/4	3,579.56	3/4	3,235.96	3/4	2,892.33	3/4	2,204.96

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,197.80	0	1,854.11	0	1,510.43	0	1,166.74	0	823.55	0	479.88	0	136.21	0		0		0	
1/4	2,190.64	1/4	1,846.95	1/4	1,503.27	1/4	1,159.58	1/4	816.39	1/4	472.72	1/4	129.05	1/4	1/4	1/4	1/4	1/4	
1/2	2,183.48	1/2	1,839.79	1/2	1,496.11	1/2	1,152.42	1/2	809.23	1/2	465.56	1/2	121.89	1/2	1/2	1/2	1/2	1/2	
3/4	2,176.32	3/4	1,832.63	3/4	1,488.95	3/4	1,145.26	3/4	802.07	3/4	458.40	3/4	114.73	3/4	3/4	3/4	3/4	3/4	
1	2,169.16	1	1,825.47	1	1,481.79	1	1,138.10	1	794.91	1	451.24	1	107.58	1		1		1	
1/4	2,162.00	1/4	1,818.31	1/4	1,474.63	1/4	1,130.94	1/4	787.75	1/4	444.08	1/4	100.43	1/4	1/4	1/4	1/4	1/4	
1/2	2,154.84	1/2	1,811.15	1/2	1,467.47	1/2	1,123.78	1/2	780.59	1/2	436.92	1/2	93.28	1/2	1/2	1/2	1/2	1/2	
3/4	2,147.67	3/4	1,803.99	3/4	1,460.31	3/4	1,116.62	3/4	773.43	3/4	429.76	3/4	86.13	3/4	3/4	3/4	3/4	3/4	
2	2,140.51	2	1,796.83	2	1,453.15	2	1,109.47	2	766.27	2	422.60	2	79.01	2		2		2	
1/4	2,133.35	1/4	1,789.67	1/4	1,445.99	1/4	1,102.31	1/4	759.11	1/4	415.44	1/4	71.89	1/4	1/4	1/4	1/4	1/4	
1/2	2,126.19	1/2	1,782.51	1/2	1,438.83	1/2	1,095.16	1/2	751.95	1/2	408.28	1/2	64.76	1/2	1/2	1/2	1/2	1/2	
3/4	2,119.03	3/4	1,775.35	3/4	1,431.66	3/4	1,088.00	3/4	744.79	3/4	401.12	3/4	57.64	3/4	3/4	3/4	3/4	3/4	
3	2,111.87	3	1,768.19	3	1,424.50	3	1,080.86	3	737.63	3	393.96	3	51.38	3		3		3	
1/4	2,104.71	1/4	1,761.03	1/4	1,417.34	1/4	1,073.71	1/4	730.47	1/4	386.80	1/4	45.11	1/4	1/4	1/4	1/4	1/4	
1/2	2,097.55	1/2	1,753.87	1/2	1,410.18	1/2	1,066.57	1/2	723.31	1/2	379.64	1/2	38.85	1/2	1/2	1/2	1/2	1/2	
3/4	2,090.39	3/4	1,746.71	3/4	1,403.02	3/4	1,059.42	3/4	716.15	3/4	372.48	3/4	32.58	3/4	3/4	3/4	3/4	3/4	
4	2,083.23	4	1,739.55	4	1,395.86	4	1,052.27	4	708.99	4	365.32	4	28.11	4		4		4	
1/4	2,076.07	1/4	1,732.39	1/4	1,388.70	1/4	1,045.13	1/4	701.83	1/4	358.16	1/4	23.64	1/4	1/4	1/4	1/4	1/4	
1/2	2,068.91	1/2	1,725.23	1/2	1,381.54	1/2	1,037.98	1/2	694.67	1/2	351.00	1/2	19.16	1/2	1/2	1/2	1/2	1/2	
3/4	2,061.75	3/4	1,718.07	3/4	1,374.38	3/4	1,030.83	3/4	687.51	3/4	343.84	3/4	14.69	3/4	3/4	3/4	3/4	3/4	
5	2,054.59	5	1,710.91	5	1,367.22	5	1,023.69	5	680.35	5	336.68	5		5		5		5	
1/4	2,047.43	1/4	1,703.75	1/4	1,360.06	1/4	1,016.54	1/4	673.19	1/4	329.52	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,040.27	1/2	1,696.59	1/2	1,352.90	1/2	1,009.40	1/2	666.03	1/2	322.36	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,033.11	3/4	1,689.43	3/4	1,345.74	3/4	1,002.25	3/4	658.87	3/4	315.20	3/4		3/4	3/4	3/4	3/4	3/4	
6	2,025.95	6	1,682.27	6	1,338.58	6	995.10	6	651.71	6	308.04	6		6		6		6	
1/4	2,018.79	1/4	1,675.11	1/4	1,331.42	1/4	987.96	1/4	644.55	1/4	300.88	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	2,011.63	1/2	1,667.95	1/2	1,324.26	1/2	980.81	1/2	637.39	1/2	293.72	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	2,004.47	3/4	1,660.79	3/4	1,317.10	3/4	973.67	3/4	630.23	3/4	286.56	3/4		3/4	3/4	3/4	3/4	3/4	
7	1,997.31	7	1,653.63	7	1,309.94	7	966.52	7	623.07	7	279.40	7		7		7		7	
1/4	1,990.15	1/4	1,646.47	1/4	1,302.78	1/4	959.37	1/4	615.91	1/4	272.24	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	1,982.99	1/2	1,639.31	1/2	1,295.62	1/2	952.23	1/2	608.75	1/2	265.08	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	1,975.83	3/4	1,632.15	3/4	1,288.46	3/4	945.08	3/4	601.59	3/4	257.92	3/4		3/4	3/4	3/4	3/4	3/4	
8	1,968.67	8	1,624.99	8	1,281.30	8	937.94	8	594.43	8	250.76	8		8		8		8	
1/4	1,961.51	1/4	1,617.83	1/4	1,274.14	1/4	930.79	1/4	587.27	1/4	243.60	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	1,954.35	1/2	1,610.67	1/2	1,266.98	1/2	923.64	1/2	580.11	1/2	236.44	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	1,947.19	3/4	1,603.51	3/4	1,259.82	3/4	916.50	3/4	572.95	3/4	229.28	3/4		3/4	3/4	3/4	3/4	3/4	
9	1,940.03	9	1,596.35	9	1,252.66	9	909.35	9	565.79	9	222.12	9		9		9		9	
1/4	1,932.87	1/4	1,589.19	1/4	1,245.50	1/4	902.21	1/4	558.63	1/4	214.96	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	1,925.71	1/2	1,582.03	1/2	1,238.34	1/2	895.06	1/2	551.47	1/2	207.80	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	1,918.55	3/4	1,574.87	3/4	1,231.18	3/4	887.91	3/4	544.31	3/4	200.64	3/4		3/4	3/4	3/4	3/4	3/4	
10	1,911.39	10	1,567.71	10	1,224.02	10	880.77	10	537.15	10	193.48	10		10		10		10	
1/4	1,904.23	1/4	1,560.55	1/4	1,216.86	1/4	873.62	1/4	529.99	1/4	186.32	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	1,897.07	1/2	1,553.39	1/2	1,209.70	1/2	866.48	1/2	522.83	1/2	179.16	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	1,889.91	3/4	1,546.23	3/4	1,202.54	3/4	859.33	3/4	515.67	3/4	172.00	3/4		3/4	3/4	3/4	3/4	3/4	
11	1,882.75	11	1,539.07	11	1,195.38	11	852.18	11	508.52	11	164.84	11		11		11		11	
1/4	1,875.59	1/4	1,531.91	1/4	1,188.22	1/4	845.02	1/4	501.36	1/4	157.68	1/4		1/4	1/4	1/4	1/4	1/4	
1/2	1,868.43	1/2	1,524.75	1/2	1,181.06	1/2	837.86	1/2	494.20	1/2	150.53	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	1,861.27	3/4	1,517.59	3/4	1,173.90	3/4	830.71	3/4	487.04	3/4	143.37	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 RECALCULATED: 05/13/2021 CL
 REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 PORT ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,311.93	0	4,103.18	0	3,894.04	0	3,684.12	0	3,474.43	0	3,213.27	0	2,871.54	0	2,529.68
1/4		1/4		1/4	4,307.61	1/4	4,098.83	1/4	3,889.67	1/4	3,679.74	1/4	3,470.07	1/4	3,206.17	1/4	2,864.42	1/4	2,522.56
1/2		1/2		1/2	4,303.28	1/2	4,094.47	1/2	3,885.29	1/2	3,675.37	1/2	3,465.71	1/2	3,199.07	1/2	2,857.30	1/2	2,515.44
3/4		3/4		3/4	4,298.96	3/4	4,090.12	3/4	3,880.92	3/4	3,671.00	3/4	3,461.36	3/4	3,191.97	3/4	2,850.18	3/4	2,508.32
1		1		1	4,294.63	1	4,085.76	1	3,876.55	1	3,666.62	1	3,457.00	1	3,184.87	1	2,843.06	1	2,501.19
1/4		1/4		1/4	4,290.30	1/4	4,081.41	1/4	3,872.17	1/4	3,662.25	1/4	3,452.64	1/4	3,177.77	1/4	2,835.93	1/4	2,494.07
1/2		1/2		1/2	4,285.98	1/2	4,077.05	1/2	3,867.80	1/2	3,657.88	1/2	3,448.28	1/2	3,170.67	1/2	2,828.81	1/2	2,486.95
3/4		3/4		3/4	4,281.65	3/4	4,072.70	3/4	3,863.43	3/4	3,653.50	3/4	3,443.93	3/4	3,163.57	3/4	2,821.69	3/4	2,479.83
2		2		2	4,277.32	2	4,068.35	2	3,859.05	2	3,649.13	2	3,439.57	2	3,156.47	2	2,814.57	2	2,472.70
1/4		1/4		1/4	4,273.00	1/4	4,063.99	1/4	3,854.68	1/4	3,644.76	1/4	3,435.21	1/4	3,149.37	1/4	2,807.45	1/4	2,465.58
1/2		1/2		1/2	4,268.64	1/2	4,059.64	1/2	3,850.31	1/2	3,640.38	1/2	3,430.85	1/2	3,142.27	1/2	2,800.32	1/2	2,458.46
3/4		3/4		3/4	4,264.29	3/4	4,055.28	3/4	3,845.93	3/4	3,636.01	3/4	3,426.50	3/4	3,135.16	3/4	2,793.20	3/4	2,451.33
3		3		3	4,259.93	3	4,050.93	3	3,841.56	3	3,631.64	3	3,422.14	3	3,128.06	3	2,786.08	3	2,444.21
1/4		1/4		1/4	4,255.58	1/4	4,046.57	1/4	3,837.19	1/4	3,627.26	1/4	3,417.78	1/4	3,120.96	1/4	2,778.96	1/4	2,437.09
1/2		1/2		1/2	4,251.23	1/2	4,042.22	1/2	3,832.81	1/2	3,622.89	1/2	3,413.42	1/2	3,113.84	1/2	2,771.83	1/2	2,429.96
3/4		3/4		3/4	4,246.87	3/4	4,037.87	3/4	3,828.44	3/4	3,618.52	3/4	3,409.07	3/4	3,106.73	3/4	2,764.71	3/4	2,422.84
4		4		4	4,242.52	4	4,033.51	4	3,824.07	4	3,614.14	4	3,404.71	4	3,099.61	4	2,757.59	4	2,415.72
1/4		1/4		1/4	4,238.16	1/4	4,029.16	1/4	3,819.69	1/4	3,609.77	1/4	3,400.35	1/4	3,092.49	1/4	2,750.47	1/4	2,408.60
1/2		1/2		1/2	4,233.81	1/2	4,024.80	1/2	3,815.32	1/2	3,605.40	1/2	3,395.99	1/2	3,085.37	1/2	2,743.35	1/2	2,401.47
3/4		3/4		3/4	4,229.45	3/4	4,020.45	3/4	3,810.94	3/4	3,601.02	3/4	3,391.64	3/4	3,078.25	3/4	2,736.22	3/4	2,394.35
5		5		5	4,225.10	5	4,016.09	5	3,806.57	5	3,596.65	5	3,387.28	5	3,071.14	5	2,729.10	5	2,387.23
1/4		1/4		1/4	4,220.75	1/4	4,011.74	1/4	3,802.20	1/4	3,592.27	1/4	3,382.92	1/4	3,064.02	1/4	2,721.98	1/4	2,380.10
1/2		1/2		1/2	4,216.39	1/2	4,007.38	1/2	3,797.82	1/2	3,587.90	1/2	3,378.58	1/2	3,056.90	1/2	2,714.86	1/2	2,372.98
3/4		3/4		3/4	4,212.04	3/4	4,003.03	3/4	3,793.45	3/4	3,583.53	3/4	3,374.24	3/4	3,049.78	3/4	2,707.74	3/4	2,365.86
6		6		6	4,207.68	6	3,998.68	6	3,789.08	6	3,579.15	6	3,369.90	6	3,042.66	6	2,700.61	6	2,358.73
1/4		1/4	4,388.74	1/4	4,203.33	1/4	3,994.32	1/4	3,784.70	1/4	3,574.78	1/4	3,365.56	1/4	3,035.54	1/4	2,693.49	1/4	2,351.61
1/2		1/2	4,387.03	1/2	4,198.97	1/2	3,989.97	1/2	3,780.33	1/2	3,570.41	1/2	3,361.22	1/2	3,028.41	1/2	2,686.37	1/2	2,344.49
3/4		3/4	4,385.32	3/4	4,194.62	3/4	3,985.61	3/4	3,775.96	3/4	3,566.03	3/4	3,356.88	3/4	3,021.28	3/4	2,679.25	3/4	2,337.36
7		7	4,383.61	7	4,190.27	7	3,981.26	7	3,771.58	7	3,561.66	7	3,352.54	7	3,014.14	7	2,672.13	7	2,330.24
1/4		1/4	4,381.91	1/4	4,185.91	1/4	3,976.90	1/4	3,767.21	1/4	3,557.29	1/4	3,348.21	1/4	3,007.01	1/4	2,665.00	1/4	2,323.12
1/2		1/2	4,379.66	1/2	4,181.56	1/2	3,972.55	1/2	3,762.84	1/2	3,552.91	1/2	3,341.10	1/2	2,999.87	1/2	2,657.88	1/2	2,316.00
3/4		3/4	4,377.42	3/4	4,177.20	3/4	3,968.20	3/4	3,758.46	3/4	3,548.54	3/4	3,334.00	3/4	2,992.74	3/4	2,650.76	3/4	2,308.87
8		8	4,375.17	8	4,172.85	8	3,963.84	8	3,754.09	8	3,544.17	8	3,326.90	8	2,985.61	8	2,643.64	8	2,301.75
1/4		1/4	4,372.92	1/4	4,168.49	1/4	3,959.49	1/4	3,749.72	1/4	3,539.79	1/4	3,319.80	1/4	2,978.47	1/4	2,636.51	1/4	2,294.63
1/2		1/2	4,369.49	1/2	4,164.14	1/2	3,955.13	1/2	3,745.34	1/2	3,535.44	1/2	3,312.69	1/2	2,971.34	1/2	2,629.39	1/2	2,287.50
3/4		3/4	4,366.05	3/4	4,159.79	3/4	3,950.78	3/4	3,740.97	3/4	3,531.08	3/4	3,305.59	3/4	2,964.20	3/4	2,622.27	3/4	2,280.38
9		9	4,362.62	9	4,155.43	9	3,946.42	9	3,736.60	9	3,526.72	9	3,298.49	9	2,957.07	9	2,615.15	9	2,273.26
1/4		1/4	4,359.19	1/4	4,151.08	1/4	3,942.07	1/4	3,732.22	1/4	3,522.36	1/4	3,291.39	1/4	2,949.94	1/4	2,608.03	1/4	2,266.13
1/2		1/2	4,354.93	1/2	4,146.72	1/2	3,937.72	1/2	3,727.85	1/2	3,518.01	1/2	3,284.29	1/2	2,942.80	1/2	2,600.90	1/2	2,259.01
3/4		3/4	4,350.67	3/4	4,142.37	3/4	3,933.36	3/4	3,723.48	3/4	3,513.65	3/4	3,277.18	3/4	2,935.67	3/4	2,593.78	3/4	2,251.89
10		10	4,346.41	10	4,138.01	10	3,929.01	10	3,719.10	10	3,509.29	10	3,270.08	10	2,928.53	10	2,586.66	10	2,244.76
1/4		1/4	4,342.15	1/4	4,133.66	1/4	3,924.65	1/4	3,714.73	1/4	3,504.93	1/4	3,262.98	1/4	2,921.40	1/4	2,579.54	1/4	2,237.64
1/2		1/2	4,337.84	1/2	4,129.31	1/2	3,920.28	1/2	3,710.36	1/2	3,500.58	1/2	3,255.88	1/2	2,914.28	1/2	2,572.42	1/2	2,230.52
3/4		3/4	4,333.53	3/4	4,124.95	3/4	3,915.91	3/4	3,705.98	3/4	3,496.22	3/4	3,248.78	3/4	2,907.15	3/4	2,565.29	3/4	2,223.40
11		11	4,329.22	11	4,120.60	11	3,911.53	11	3,701.61	11	3,491.86	11	3,241.68	11	2,900.03	11	2,558.17	11	2,216.27
1/4		1/4	4,324.90	1/4	4,116.24	1/4	3,907.16	1/4	3,697.24	1/4	3,487.50	1/4	3,234.58	1/4	2,892.91	1/4	2,551.05	1/4	2,209.15
1/2		1/2	4,320.58	1/2	4,111.89	1/2	3,902.79	1/2	3,692.86	1/2	3,483.15	1/2	3,227.47	1/2	2,885.79	1/2	2,543.93	1/2	2,202.03
3/4		3/4	4,316.26	3/4	4,107.53	3/4	3,898.41	3/4	3,688.49	3/4	3,478.79	3/4	3,220.37	3/4	2,878.67	3/4	2,536.81	3/4	2,194.90

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,187.78	0	1,845.87	0	1,503.96	0	1,162.05	0	833.09	0	492.35	0	150.02	0		0		0	
1/4	2,180.66	1/4	1,838.75	1/4	1,496.84	1/4	1,154.93	1/4	826.27	1/4	485.23	1/4	142.89	1/4		1/4		1/4	
1/2	2,173.53	1/2	1,831.62	1/2	1,489.72	1/2	1,147.81	1/2	819.38	1/2	478.11	1/2	135.75	1/2		1/2		1/2	
3/4	2,166.41	3/4	1,824.50	3/4	1,482.59	3/4	1,140.68	3/4	812.49	3/4	470.98	3/4	128.62	3/4		3/4		3/4	
1	2,159.29	1	1,817.38	1	1,475.47	1	1,133.56	1	805.60	1	463.86	1	121.48	1		1		1	
1/4	2,152.16	1/4	1,810.26	1/4	1,468.35	1/4	1,126.44	1/4	798.70	1/4	456.73	1/4	114.35	1/4		1/4		1/4	
1/2	2,145.04	1/2	1,803.13	1/2	1,461.22	1/2	1,119.55	1/2	791.58	1/2	449.61	1/2	107.22	1/2		1/2		1/2	
3/4	2,137.92	3/4	1,796.01	3/4	1,454.10	3/4	1,112.65	3/4	784.45	3/4	442.48	3/4	100.10	3/4		3/4		3/4	
2	2,130.79	2	1,788.89	2	1,446.98	2	1,105.76	2	777.33	2	435.36	2	92.97	2		2		2	
1/4	2,123.67	1/4	1,781.76	1/4	1,439.85	1/4	1,098.87	1/4	770.21	1/4	428.23	1/4	85.85	1/4		1/4		1/4	
1/2	2,116.55	1/2	1,774.64	1/2	1,432.73	1/2	1,092.05	1/2	763.08	1/2	421.11	1/2	78.75	1/2		1/2		1/2	
3/4	2,109.43	3/4	1,767.52	3/4	1,425.61	3/4	1,085.23	3/4	755.96	3/4	413.99	3/4	71.65	3/4		3/4		3/4	
3	2,102.30	3	1,760.39	3	1,418.48	3	1,078.41	3	748.83	3	406.86	3	64.55	3		3		3	
1/4	2,095.18	1/4	1,753.27	1/4	1,411.36	1/4	1,071.59	1/4	741.71	1/4	399.74	1/4	57.45	1/4		1/4		1/4	
1/2	2,088.06	1/2	1,746.15	1/2	1,404.24	1/2	1,064.77	1/2	734.58	1/2	392.61	1/2	51.21	1/2		1/2		1/2	
3/4	2,080.93	3/4	1,739.02	3/4	1,397.12	3/4	1,057.96	3/4	727.46	3/4	385.49	3/4	44.96	3/4		3/4		3/4	
4	2,073.81	4	1,731.90	4	1,389.99	4	1,051.15	4	720.33	4	378.36	4	38.72	4		4		4	
1/4	2,066.69	1/4	1,724.78	1/4	1,382.87	1/4	1,044.33	1/4	713.21	1/4	371.24	1/4	32.48	1/4		1/4		1/4	
1/2	2,059.56	1/2	1,717.65	1/2	1,375.75	1/2	1,037.52	1/2	706.09	1/2	364.10	1/2	28.02	1/2		1/2		1/2	
3/4	2,052.44	3/4	1,710.53	3/4	1,368.62	3/4	1,030.71	3/4	698.96	3/4	356.97	3/4	23.56	3/4		3/4		3/4	
5	2,045.32	5	1,703.41	5	1,361.50	5	1,023.89	5	691.84	5	349.83	5	19.10	5		5		5	
1/4	2,038.19	1/4	1,696.29	1/4	1,354.38	1/4	1,017.08	1/4	684.71	1/4	342.70	1/4	14.64	1/4		1/4		1/4	
1/2	2,031.07	1/2	1,689.16	1/2	1,347.25	1/2	1,010.26	1/2	677.59	1/2	335.56	1/2		1/2		1/2		1/2	
3/4	2,023.95	3/4	1,682.04	3/4	1,340.13	3/4	1,003.45	3/4	670.46	3/4	328.42	3/4		3/4		3/4		3/4	
6	2,016.83	6	1,674.92	6	1,333.01	6	996.64	6	663.34	6	321.29	6		6		6		6	
1/4	2,009.70	1/4	1,667.79	1/4	1,325.88	1/4	989.82	1/4	656.22	1/4	314.15	1/4		1/4		1/4		1/4	
1/2	2,002.58	1/2	1,660.67	1/2	1,318.76	1/2	983.01	1/2	649.09	1/2	307.02	1/2		1/2		1/2		1/2	
3/4	1,995.46	3/4	1,653.55	3/4	1,311.64	3/4	976.20	3/4	641.97	3/4	299.88	3/4		3/4		3/4		3/4	
7	1,988.33	7	1,646.42	7	1,304.52	7	969.38	7	634.84	7	292.74	7		7		7		7	
1/4	1,981.21	1/4	1,639.30	1/4	1,297.39	1/4	962.57	1/4	627.72	1/4	285.61	1/4		1/4		1/4		1/4	
1/2	1,974.09	1/2	1,632.18	1/2	1,290.27	1/2	955.76	1/2	620.59	1/2	278.47	1/2		1/2		1/2		1/2	
3/4	1,966.96	3/4	1,625.05	3/4	1,283.15	3/4	948.94	3/4	613.47	3/4	271.34	3/4		3/4		3/4		3/4	
8	1,959.84	8	1,617.93	8	1,276.02	8	942.13	8	606.34	8	264.20	8		8		8		8	
1/4	1,952.72	1/4	1,610.81	1/4	1,268.90	1/4	935.32	1/4	599.22	1/4	257.06	1/4		1/4		1/4		1/4	
1/2	1,945.59	1/2	1,603.69	1/2	1,261.78	1/2	928.50	1/2	592.10	1/2	249.93	1/2		1/2		1/2		1/2	
3/4	1,938.47	3/4	1,596.56	3/4	1,254.65	3/4	921.69	3/4	584.97	3/4	242.79	3/4		3/4		3/4		3/4	
9	1,931.35	9	1,589.44	9	1,247.53	9	914.88	9	577.85	9	235.66	9		9		9		9	
1/4	1,924.22	1/4	1,582.32	1/4	1,240.41	1/4	908.06	1/4	570.72	1/4	228.52	1/4		1/4		1/4		1/4	
1/2	1,917.10	1/2	1,575.19	1/2	1,233.28	1/2	901.25	1/2	563.60	1/2	221.38	1/2		1/2		1/2		1/2	
3/4	1,909.98	3/4	1,568.07	3/4	1,226.16	3/4	894.44	3/4	556.47	3/4	214.25	3/4		3/4		3/4		3/4	
10	1,902.86	10	1,560.95	10	1,219.04	10	887.62	10	549.35	10	207.11	10		10		10		10	
1/4	1,895.73	1/4	1,553.82	1/4	1,211.91	1/4	880.81	1/4	542.22	1/4	199.98	1/4		1/4		1/4		1/4	
1/2	1,888.61	1/2	1,546.70	1/2	1,204.79	1/2	874.00	1/2	535.10	1/2	192.84	1/2		1/2		1/2		1/2	
3/4	1,881.49	3/4	1,539.58	3/4	1,197.67	3/4	867.19	3/4	527.98	3/4	185.70	3/4		3/4		3/4		3/4	
11	1,874.36	11	1,532.45	11	1,190.55	11	860.37	11	520.85	11	178.57	11		11		11		11	
1/4	1,867.24	1/4	1,525.33	1/4	1,183.42	1/4	853.56	1/4	513.73	1/4	171.43	1/4		1/4		1/4		1/4	
1/2	1,860.12	1/2	1,518.21	1/2	1,176.30	1/2	846.74	1/2	506.60	1/2	164.30	1/2		1/2		1/2		1/2	
3/4	1,852.99	3/4	1,511.09	3/4	1,169.18	3/4	839.92	3/4	499.48	3/4	157.16	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
RECALCULATED: 05/13/2021 CL
REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,322.38	0	4,113.38	0	3,904.03	0	3,693.93	0	3,483.83	0	3,216.80	0	2,875.28	0	2,533.32
1/4		1/4		1/4	4,318.04	1/4	4,109.02	1/4	3,899.65	1/4	3,689.55	1/4	3,479.45	1/4	3,209.69	1/4	2,868.16	1/4	2,526.18
1/2		1/2		1/2	4,313.71	1/2	4,104.67	1/2	3,895.27	1/2	3,685.17	1/2	3,475.07	1/2	3,202.59	1/2	2,861.04	1/2	2,519.04
3/4		3/4		3/4	4,309.38	3/4	4,100.31	3/4	3,890.90	3/4	3,680.79	3/4	3,470.69	3/4	3,195.49	3/4	2,853.92	3/4	2,511.91
1		1		1	4,305.05	1	4,095.95	1	3,886.52	1	3,676.42	1	3,466.32	1	3,188.39	1	2,846.80	1	2,504.77
1/4		1/4		1/4	4,300.72	1/4	4,091.59	1/4	3,882.14	1/4	3,672.04	1/4	3,461.94	1/4	3,181.29	1/4	2,839.68	1/4	2,497.63
1/2		1/2		1/2	4,296.39	1/2	4,087.23	1/2	3,877.76	1/2	3,667.66	1/2	3,457.56	1/2	3,174.19	1/2	2,832.57	1/2	2,490.49
3/4		3/4		3/4	4,292.06	3/4	4,082.88	3/4	3,873.39	3/4	3,663.29	3/4	3,453.19	3/4	3,167.09	3/4	2,825.45	3/4	2,483.36
2		2		2	4,287.70	2	4,078.52	2	3,869.01	2	3,658.91	2	3,448.81	2	3,159.98	2	2,818.33	2	2,476.22
1/4		1/4		1/4	4,283.34	1/4	4,074.16	1/4	3,864.63	1/4	3,654.53	1/4	3,444.43	1/4	3,152.88	1/4	2,811.21	1/4	2,469.08
1/2		1/2		1/2	4,278.99	1/2	4,069.80	1/2	3,860.26	1/2	3,650.15	1/2	3,440.05	1/2	3,145.78	1/2	2,804.09	1/2	2,461.95
3/4		3/4		3/4	4,274.63	3/4	4,065.44	3/4	3,855.88	3/4	3,645.78	3/4	3,435.68	3/4	3,138.68	3/4	2,796.97	3/4	2,454.81
3		3		3	4,270.27	3	4,061.09	3	3,851.50	3	3,641.40	3	3,431.30	3	3,131.56	3	2,789.85	3	2,447.67
1/4		1/4		1/4	4,265.91	1/4	4,056.73	1/4	3,847.12	1/4	3,637.02	1/4	3,426.92	1/4	3,124.44	1/4	2,782.73	1/4	2,440.53
1/2		1/2		1/2	4,261.55	1/2	4,052.37	1/2	3,842.75	1/2	3,632.65	1/2	3,422.55	1/2	3,117.32	1/2	2,775.61	1/2	2,433.40
3/4		3/4		3/4	4,257.20	3/4	4,048.01	3/4	3,838.37	3/4	3,628.27	3/4	3,418.17	3/4	3,110.20	3/4	2,768.50	3/4	2,426.26
4		4		4	4,252.84	4	4,043.65	4	3,833.99	4	3,623.89	4	3,413.79	4	3,103.08	4	2,761.38	4	2,419.12
1/4		1/4		1/4	4,248.48	1/4	4,039.30	1/4	3,829.62	1/4	3,619.52	1/4	3,409.41	1/4	3,095.97	1/4	2,754.26	1/4	2,411.99
1/2		1/2		1/2	4,244.12	1/2	4,034.94	1/2	3,825.24	1/2	3,615.14	1/2	3,405.04	1/2	3,088.85	1/2	2,747.14	1/2	2,404.85
3/4		3/4		3/4	4,239.76	3/4	4,030.58	3/4	3,820.86	3/4	3,610.76	3/4	3,400.66	3/4	3,081.73	3/4	2,740.02	3/4	2,397.71
5		5		5	4,235.41	5	4,026.22	5	3,816.48	5	3,606.38	5	3,396.32	5	3,074.61	5	2,732.90	5	2,390.57
1/4		1/4		1/4	4,231.05	1/4	4,021.86	1/4	3,812.11	1/4	3,602.01	1/4	3,391.98	1/4	3,067.49	1/4	2,725.78	1/4	2,383.44
1/2		1/2		1/2	4,226.69	1/2	4,017.51	1/2	3,807.73	1/2	3,597.63	1/2	3,387.64	1/2	3,060.37	1/2	2,718.66	1/2	2,376.30
3/4		3/4		3/4	4,407.91	3/4	4,222.33	3/4	4,013.15	3/4	3,803.35	3/4	3,593.25	3/4	3,383.30	3/4	3,053.25	3/4	2,711.54
6		6		6	4,406.20	6	4,217.97	6	4,008.79	6	3,798.98	6	3,588.88	6	3,378.95	6	3,046.13	6	2,704.43
1/4		1/4		1/4	4,404.49	1/4	4,213.62	1/4	4,004.43	1/4	3,794.60	1/4	3,584.50	1/4	3,374.61	1/4	3,039.01	1/4	2,697.31
1/2		1/2		1/2	4,402.78	1/2	4,209.26	1/2	4,000.07	1/2	3,790.22	1/2	3,580.12	1/2	3,370.27	1/2	3,031.90	1/2	2,690.19
3/4		3/4		3/4	4,401.07	3/4	4,204.90	3/4	3,995.72	3/4	3,785.85	3/4	3,575.74	3/4	3,365.93	3/4	3,024.78	3/4	2,683.07
7		7		7	4,398.83	7	4,200.54	7	3,991.36	7	3,781.47	7	3,571.37	7	3,358.83	7	3,017.66	7	2,675.95
1/4		1/4		1/4	4,396.58	1/4	4,196.18	1/4	3,987.00	1/4	3,777.09	1/4	3,566.99	1/4	3,351.73	1/4	3,010.54	1/4	2,668.83
1/2		1/2		1/2	4,394.33	1/2	4,191.83	1/2	3,982.64	1/2	3,772.71	1/2	3,562.61	1/2	3,344.63	1/2	3,003.42	1/2	2,661.71
3/4		3/4		3/4	4,392.08	3/4	4,187.47	3/4	3,978.28	3/4	3,768.34	3/4	3,558.24	3/4	3,337.52	3/4	2,996.30	3/4	2,654.59
8		8		8	4,388.64	8	4,183.11	8	3,973.93	8	3,763.96	8	3,553.86	8	3,330.42	8	2,989.18	8	2,647.47
1/4		1/4		1/4	4,385.20	1/4	4,178.75	1/4	3,969.57	1/4	3,759.58	1/4	3,549.48	1/4	3,323.32	1/4	2,982.06	1/4	2,640.36
1/2		1/2		1/2	4,381.76	1/2	4,174.39	1/2	3,965.21	1/2	3,755.21	1/2	3,545.10	1/2	3,316.22	1/2	2,974.94	1/2	2,633.24
3/4		3/4		3/4	4,378.33	3/4	4,170.04	3/4	3,960.85	3/4	3,750.83	3/4	3,540.73	3/4	3,309.12	3/4	2,967.83	3/4	2,626.12
9		9		9	4,374.06	9	4,165.68	9	3,956.49	9	3,746.45	9	3,536.35	9	3,302.02	9	2,960.71	9	2,618.98
1/4		1/4		1/4	4,369.80	1/4	4,161.32	1/4	3,952.14	1/4	3,742.07	1/4	3,531.97	1/4	3,294.91	1/4	2,953.59	1/4	2,611.84
1/2		1/2		1/2	4,365.54	1/2	4,156.96	1/2	3,947.78	1/2	3,737.70	1/2	3,527.60	1/2	3,287.81	1/2	2,946.47	1/2	2,604.70
3/4		3/4		3/4	4,361.28	3/4	4,152.60	3/4	3,943.42	3/4	3,733.32	3/4	3,523.22	3/4	3,280.71	3/4	2,939.35	3/4	2,597.56
10		10		10	4,356.96	10	4,148.25	10	3,939.04	10	3,728.94	10	3,518.84	10	3,273.61	10	2,932.23	10	2,590.43
1/4		1/4		1/4	4,352.65	1/4	4,143.89	1/4	3,934.67	1/4	3,724.57	1/4	3,514.46	1/4	3,266.51	1/4	2,925.11	1/4	2,583.29
1/2		1/2		1/2	4,348.33	1/2	4,139.53	1/2	3,930.29	1/2	3,720.19	1/2	3,510.09	1/2	3,259.41	1/2	2,917.99	1/2	2,576.15
3/4		3/4		3/4	4,344.01	3/4	4,135.17	3/4	3,925.91	3/4	3,715.81	3/4	3,505.71	3/4	3,252.30	3/4	2,910.87	3/4	2,569.01
11		11		11	4,339.69	11	4,130.81	11	3,921.54	11	3,711.43	11	3,501.33	11	3,245.20	11	2,903.75	11	2,561.87
1/4		1/4		1/4	4,335.36	1/4	4,126.46	1/4	3,917.16	1/4	3,707.06	1/4	3,496.96	1/4	3,238.10	1/4	2,896.64	1/4	2,554.73
1/2		1/2		1/2	4,331.03	1/2	4,122.10	1/2	3,912.78	1/2	3,702.68	1/2	3,492.58	1/2	3,231.00	1/2	2,889.52	1/2	2,547.60
3/4		3/4		3/4	4,326.71	3/4	4,117.74	3/4	3,908.40	3/4	3,698.30	3/4	3,488.20	3/4	3,223.90	3/4	2,882.40	3/4	2,540.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,190.74	0	1,848.15	0	1,505.57	0	1,162.99	0	820.91	0	478.34	0	135.77	0		0		0	
1/4	2,183.60	1/4	1,841.02	1/4	1,498.44	1/4	1,155.86	1/4	813.77	1/4	471.20	1/4	128.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,176.46	1/2	1,833.88	1/2	1,491.30	1/2	1,148.72	1/2	806.64	1/2	464.07	1/2	121.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,169.32	3/4	1,826.74	3/4	1,484.16	3/4	1,141.58	3/4	799.50	3/4	456.93	3/4	114.36	3/4	3/4	3/4	3/4	3/4	3/4
1	2,162.19	1	1,819.61	1	1,477.03	1	1,134.44	1	792.36	1	449.79	1	107.24	1		1		1	
1/4	2,155.05	1/4	1,812.47	1/4	1,469.89	1/4	1,127.31	1/4	785.23	1/4	442.65	1/4	100.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,147.91	1/2	1,805.33	1/2	1,462.75	1/2	1,120.17	1/2	778.09	1/2	435.52	1/2	92.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,140.78	3/4	1,798.20	3/4	1,455.61	3/4	1,113.03	3/4	770.95	3/4	428.38	3/4	85.86	3/4	3/4	3/4	3/4	3/4	3/4
2	2,133.64	2	1,791.06	2	1,448.48	2	1,105.90	2	763.82	2	421.24	2	78.76	2		2		2	
1/4	2,126.50	1/4	1,783.92	1/4	1,441.34	1/4	1,098.77	1/4	756.68	1/4	414.11	1/4	71.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.36	1/2	1,776.78	1/2	1,434.20	1/2	1,091.64	1/2	749.54	1/2	406.97	1/2	64.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.23	3/4	1,769.65	3/4	1,427.07	3/4	1,084.51	3/4	742.40	3/4	399.83	3/4	57.45	3/4	3/4	3/4	3/4	3/4	3/4
3	2,105.09	3	1,762.51	3	1,419.93	3	1,077.39	3	735.27	3	392.70	3	51.21	3		3		3	
1/4	2,097.95	1/4	1,755.37	1/4	1,412.79	1/4	1,070.26	1/4	728.13	1/4	385.56	1/4	44.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,090.82	1/2	1,748.24	1/2	1,405.65	1/2	1,063.14	1/2	720.99	1/2	378.42	1/2	38.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,083.68	3/4	1,741.10	3/4	1,398.52	3/4	1,056.02	3/4	713.86	3/4	371.29	3/4	32.48	3/4	3/4	3/4	3/4	3/4	3/4
4	2,076.54	4	1,733.96	4	1,391.38	4	1,048.89	4	706.72	4	364.15	4	28.02	4		4		4	
1/4	2,069.40	1/4	1,726.82	1/4	1,384.24	1/4	1,041.77	1/4	699.58	1/4	357.01	1/4	23.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,062.27	1/2	1,719.69	1/2	1,377.11	1/2	1,034.65	1/2	692.45	1/2	349.88	1/2	19.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,055.13	3/4	1,712.55	3/4	1,369.97	3/4	1,027.52	3/4	685.31	3/4	342.74	3/4	14.64	3/4	3/4	3/4	3/4	3/4	3/4
5	2,047.99	5	1,705.41	5	1,362.83	5	1,020.40	5	678.17	5	335.60	5		5		5		5	
1/4	2,040.86	1/4	1,698.28	1/4	1,355.69	1/4	1,013.28	1/4	671.04	1/4	328.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.72	1/2	1,691.14	1/2	1,348.56	1/2	1,006.15	1/2	663.90	1/2	321.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.58	3/4	1,684.00	3/4	1,341.42	3/4	999.03	3/4	656.76	3/4	314.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,019.45	6	1,676.86	6	1,334.28	6	991.91	6	649.62	6	307.05	6		6		6		6	
1/4	2,012.31	1/4	1,669.73	1/4	1,327.15	1/4	984.79	1/4	642.49	1/4	299.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,005.17	1/2	1,662.59	1/2	1,320.01	1/2	977.66	1/2	635.35	1/2	292.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,998.03	3/4	1,655.45	3/4	1,312.87	3/4	970.54	3/4	628.21	3/4	285.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,990.90	7	1,648.32	7	1,305.74	7	963.42	7	621.08	7	278.51	7		7		7		7	
1/4	1,983.76	1/4	1,641.18	1/4	1,298.60	1/4	956.29	1/4	613.94	1/4	271.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.62	1/2	1,634.04	1/2	1,291.46	1/2	949.17	1/2	606.80	1/2	264.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.49	3/4	1,626.90	3/4	1,284.32	3/4	942.05	3/4	599.67	3/4	257.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,962.35	8	1,619.77	8	1,277.19	8	934.92	8	592.53	8	249.96	8		8		8		8	
1/4	1,955.21	1/4	1,612.63	1/4	1,270.05	1/4	927.80	1/4	585.39	1/4	242.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.07	1/2	1,605.49	1/2	1,262.91	1/2	920.68	1/2	578.26	1/2	235.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.94	3/4	1,598.36	3/4	1,255.78	3/4	913.56	3/4	571.12	3/4	228.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,933.80	9	1,591.22	9	1,248.64	9	906.43	9	563.98	9	221.41	9		9		9		9	
1/4	1,926.66	1/4	1,584.08	1/4	1,241.50	1/4	899.31	1/4	556.85	1/4	214.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,919.53	1/2	1,576.94	1/2	1,234.36	1/2	892.19	1/2	549.71	1/2	207.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,912.39	3/4	1,569.81	3/4	1,227.23	3/4	885.06	3/4	542.57	3/4	200.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,905.25	10	1,562.67	10	1,220.09	10	877.94	10	535.43	10	192.86	10		10		10		10	
1/4	1,898.11	1/4	1,555.53	1/4	1,212.95	1/4	870.82	1/4	528.30	1/4	185.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,890.98	1/2	1,548.40	1/2	1,205.82	1/2	863.69	1/2	521.16	1/2	178.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,883.84	3/4	1,541.26	3/4	1,198.68	3/4	856.57	3/4	514.02	3/4	171.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,876.70	11	1,534.12	11	1,191.54	11	849.44	11	506.89	11	164.32	11		11		11		11	
1/4	1,869.57	1/4	1,526.99	1/4	1,184.40	1/4	842.31	1/4	499.75	1/4	157.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.43	1/2	1,519.85	1/2	1,177.27	1/2	835.18	1/2	492.61	1/2	150.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,855.29	3/4	1,512.71	3/4	1,170.13	3/4	828.05	3/4	485.48	3/4	142.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
RECALCULATED: 05/13/2021 CL
REPRINTED: 05/13/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

**BARGE "HSM 3320"**

formerly the
BARGE "FMT 3320"

INNAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 6'-00"
DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 12, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

1 PORT
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	251.41	0	581.33	0	921.94	0	1,262.80	0	1,604.85	0	1,946.90	0	2,288.94	0	2,630.98	0	2,973.01
1/4	3.93	1/4	257.87	1/4	588.46	1/4	929.01	1/4	1,269.93	1/4	1,611.97	1/4	1,954.02	1/4	2,296.07	1/4	2,638.11	1/4	2,980.13
1/2	5.71	1/2	264.33	1/2	595.58	1/2	936.07	1/2	1,277.05	1/2	1,619.10	1/2	1,961.15	1/2	2,303.20	1/2	2,645.24	1/2	2,987.26
3/4	7.49	3/4	270.79	3/4	602.71	3/4	943.14	3/4	1,284.18	3/4	1,626.23	3/4	1,968.27	3/4	2,310.32	3/4	2,652.36	3/4	2,994.38
1	9.27	1	277.25	1	609.84	1	950.20	1	1,291.30	1	1,633.35	1	1,975.40	1	2,317.45	1	2,659.49	1	3,001.51
1/4	12.07	1/4	283.79	1/4	616.96	1/4	957.27	1/4	1,298.43	1/4	1,640.48	1/4	1,982.53	1/4	2,324.57	1/4	2,666.61	1/4	3,008.63
1/2	14.86	1/2	290.33	1/2	624.09	1/2	964.33	1/2	1,305.56	1/2	1,647.60	1/2	1,989.65	1/2	2,331.70	1/2	2,673.74	1/2	3,015.76
3/4	17.65	3/4	296.88	3/4	631.21	3/4	971.40	3/4	1,312.68	3/4	1,654.73	3/4	1,996.78	3/4	2,338.83	3/4	2,680.86	3/4	3,022.88
2	20.44	2	303.42	2	638.34	2	978.47	2	1,319.81	2	1,661.86	2	2,003.90	2	2,345.95	2	2,687.99	2	3,030.00
1/4	24.29	1/4	310.05	1/4	645.47	1/4	985.53	1/4	1,326.93	1/4	1,668.98	1/4	2,011.03	1/4	2,353.08	1/4	2,695.11	1/4	3,037.13
1/2	28.13	1/2	316.67	1/2	652.59	1/2	992.60	1/2	1,334.06	1/2	1,676.11	1/2	2,018.16	1/2	2,360.20	1/2	2,702.24	1/2	3,044.25
3/4	31.98	3/4	323.30	3/4	659.72	3/4	999.66	3/4	1,341.19	3/4	1,683.23	3/4	2,025.28	3/4	2,367.33	3/4	2,709.37	3/4	3,051.37
3	35.82	3	329.92	3	666.84	3	1,006.73	3	1,348.31	3	1,690.36	3	2,032.41	3	2,374.46	3	2,716.49	3	3,058.50
1/4	41.07	1/4	336.63	1/4	673.97	1/4	1,013.80	1/4	1,355.44	1/4	1,697.49	1/4	2,039.53	1/4	2,381.58	1/4	2,723.62	1/4	3,065.62
1/2	46.31	1/2	343.34	1/2	681.09	1/2	1,020.87	1/2	1,362.56	1/2	1,704.61	1/2	2,046.66	1/2	2,388.71	1/2	2,730.74	1/2	3,072.75
3/4	51.56	3/4	350.05	3/4	688.22	3/4	1,027.94	3/4	1,369.69	3/4	1,711.74	3/4	2,053.79	3/4	2,395.83	3/4	2,737.87	3/4	3,079.87
4	56.81	4	356.76	4	695.35	4	1,035.01	4	1,376.82	4	1,718.86	4	2,060.91	4	2,402.96	4	2,744.99	4	3,086.99
1/4	62.58	1/4	363.55	1/4	702.47	1/4	1,042.09	1/4	1,383.94	1/4	1,725.99	1/4	2,068.04	1/4	2,410.09	1/4	2,752.12	1/4	3,094.12
1/2	68.35	1/2	370.35	1/2	709.60	1/2	1,049.17	1/2	1,391.07	1/2	1,733.12	1/2	2,075.16	1/2	2,417.21	1/2	2,759.24	1/2	3,101.24
3/4	74.12	3/4	377.14	3/4	716.72	3/4	1,056.26	3/4	1,398.19	3/4	1,740.24	3/4	2,082.29	3/4	2,424.34	3/4	2,766.37	3/4	3,108.36
5	79.89	5	383.93	5	723.85	5	1,063.34	5	1,405.32	5	1,747.37	5	2,089.42	5	2,431.46	5	2,773.49	5	3,115.49
1/4	85.76	1/4	390.81	1/4	730.96	1/4	1,070.45	1/4	1,412.45	1/4	1,754.49	1/4	2,096.54	1/4	2,438.59	1/4	2,780.62	1/4	3,122.61
1/2	91.63	1/2	397.69	1/2	738.07	1/2	1,077.56	1/2	1,419.57	1/2	1,761.62	1/2	2,103.67	1/2	2,445.72	1/2	2,787.75	1/2	3,129.73
3/4	97.50	3/4	404.56	3/4	745.17	3/4	1,084.67	3/4	1,426.70	3/4	1,768.75	3/4	2,110.79	3/4	2,452.84	3/4	2,794.87	3/4	3,136.86
6	103.37	6	411.44	6	752.28	6	1,091.78	6	1,433.82	6	1,775.87	6	2,117.92	6	2,459.97	6	2,802.00	6	3,143.98
1/4	109.33	1/4	418.39	1/4	759.36	1/4	1,098.90	1/4	1,440.95	1/4	1,783.00	1/4	2,125.05	1/4	2,467.09	1/4	2,809.12	1/4	3,151.10
1/2	115.29	1/2	425.35	1/2	766.45	1/2	1,106.03	1/2	1,448.08	1/2	1,790.12	1/2	2,132.17	1/2	2,474.22	1/2	2,816.25	1/2	3,158.23
3/4	121.25	3/4	432.31	3/4	773.53	3/4	1,113.15	3/4	1,455.20	3/4	1,797.25	3/4	2,139.30	3/4	2,481.35	3/4	2,823.37	3/4	3,165.35
7	127.21	7	439.26	7	780.61	7	1,120.28	7	1,462.33	7	1,804.38	7	2,146.42	7	2,488.47	7	2,830.50	7	3,172.48
1/4	133.25	1/4	446.30	1/4	787.68	1/4	1,127.41	1/4	1,469.45	1/4	1,811.50	1/4	2,153.55	1/4	2,495.60	1/4	2,837.62	1/4	3,179.60
1/2	139.30	1/2	453.34	1/2	794.75	1/2	1,134.53	1/2	1,476.58	1/2	1,818.63	1/2	2,160.68	1/2	2,502.72	1/2	2,844.75	1/2	3,186.72
3/4	145.34	3/4	460.38	3/4	801.82	3/4	1,141.66	3/4	1,483.71	3/4	1,825.75	3/4	2,167.80	3/4	2,509.85	3/4	2,851.88	3/4	3,193.85
8	151.38	8	467.41	8	808.89	8	1,148.78	8	1,490.83	8	1,832.88	8	2,174.93	8	2,516.98	8	2,859.00	8	3,200.97
1/4	157.51	1/4	474.52	1/4	815.96	1/4	1,155.91	1/4	1,497.96	1/4	1,840.01	1/4	2,182.05	1/4	2,524.10	1/4	2,866.13	1/4	3,208.09
1/2	163.64	1/2	481.62	1/2	823.02	1/2	1,163.04	1/2	1,505.08	1/2	1,847.13	1/2	2,189.18	1/2	2,531.23	1/2	2,873.25	1/2	3,215.22
3/4	169.76	3/4	488.72	3/4	830.09	3/4	1,170.16	3/4	1,512.21	3/4	1,854.26	3/4	2,196.31	3/4	2,538.35	3/4	2,880.38	3/4	3,222.34
9	175.89	9	495.82	9	837.15	9	1,177.29	9	1,519.34	9	1,861.38	9	2,203.43	9	2,545.48	9	2,887.50	9	3,229.46
1/4	182.10	1/4	502.95	1/4	844.22	1/4	1,184.41	1/4	1,526.46	1/4	1,868.51	1/4	2,210.56	1/4	2,552.61	1/4	2,894.63	1/4	3,236.59
1/2	188.31	1/2	510.08	1/2	851.28	1/2	1,191.54	1/2	1,533.59	1/2	1,875.64	1/2	2,217.68	1/2	2,559.73	1/2	2,901.75	1/2	3,243.71
3/4	194.52	3/4	517.20	3/4	858.35	3/4	1,198.67	3/4	1,540.71	3/4	1,882.76	3/4	2,224.81	3/4	2,566.86	3/4	2,908.88	3/4	3,250.84
10	200.73	10	524.33	10	865.42	10	1,205.79	10	1,547.84	10	1,889.89	10	2,231.94	10	2,573.98	10	2,916.00	10	3,257.96
1/4	207.02	1/4	531.45	1/4	872.48	1/4	1,212.92	1/4	1,554.97	1/4	1,897.01	1/4	2,239.06	1/4	2,581.11	1/4	2,923.13	1/4	3,265.08
1/2	213.32	1/2	538.58	1/2	879.55	1/2	1,220.04	1/2	1,562.09	1/2	1,904.14	1/2	2,246.19	1/2	2,588.24	1/2	2,930.26	1/2	3,272.21
3/4	219.61	3/4	545.70	3/4	886.61	3/4	1,227.17	3/4	1,569.22	3/4	1,911.27	3/4	2,253.31	3/4	2,595.36	3/4	2,937.38	3/4	3,279.33
11	225.90	11	552.83	11	893.68	11	1,234.30	11	1,576.34	11	1,918.39	11	2,260.44	11	2,602.49	11	2,944.51	11	3,286.45
1/4	232.28	1/4	559.96	1/4	900.74	1/4	1,241.42	1/4	1,583.47	1/4	1,925.52	1/4	2,267.57	1/4	2,609.61	1/4	2,951.63	1/4	3,293.58
1/2	238.66	1/2	567.08	1/2	907.81	1/2	1,248.55	1/2	1,590.60	1/2	1,932.64	1/2	2,274.69	1/2	2,616.74	1/2	2,958.76	1/2	3,300.70
3/4	245.03	3/4	574.21	3/4	914.87	3/4	1,255.67	3/4	1,597.72	3/4	1,939.77	3/4	2,281.82	3/4	2,623.86	3/4	2,965.88	3/4	3,307.82

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,314.95	0	3,656.89	0	3,998.92	0	4,340.49	0	4,680.95	0	5,001.33	0		0		0		0	
1/4	3,322.07	1/4	3,664.01	1/4	4,006.04	1/4	4,347.58	1/4	4,688.04	1/4	5,004.51	1/4		1/4		1/4		1/4	
1/2	3,329.19	1/2	3,671.14	1/2	4,013.17	1/2	4,354.67	1/2	4,695.14	1/2	5,007.70	1/2		1/2		1/2		1/2	
3/4	3,336.32	3/4	3,678.27	3/4	4,020.29	3/4	4,361.76	3/4	4,702.23	3/4	5,010.89	3/4		3/4		3/4		3/4	
1	3,343.44	1	3,685.39	1	4,027.42	1	4,368.86	1	4,709.32	1	5,014.08	1		1		1		1	
1/4	3,350.57	1/4	3,692.52	1/4	4,034.55	1/4	4,375.95	1/4	4,716.41	1/4	5,016.08	1/4		1/4		1/4		1/4	
1/2	3,357.69	1/2	3,699.64	1/2	4,041.67	1/2	4,383.04	1/2	4,723.51	1/2	5,018.08	1/2		1/2		1/2		1/2	
3/4	3,364.81	3/4	3,706.77	3/4	4,048.80	3/4	4,390.14	3/4	4,730.60	3/4	5,020.08	3/4		3/4		3/4		3/4	
2	3,371.94	2	3,713.89	2	4,055.92	2	4,397.23	2	4,737.69	2	5,022.08	2		2		2		2	
1/4	3,379.06	1/4	3,721.02	1/4	4,063.05	1/4	4,404.32	1/4	4,744.79	1/4	5,023.01	1/4		1/4		1/4		1/4	
1/2	3,386.18	1/2	3,728.14	1/2	4,070.17	1/2	4,411.42	1/2	4,751.88	1/2	5,023.93	1/2		1/2		1/2		1/2	
3/4	3,393.31	3/4	3,735.27	3/4	4,077.30	3/4	4,418.51	3/4	4,758.97	3/4	5,024.86	3/4		3/4		3/4		3/4	
3	3,400.43	3	3,742.40	3	4,084.42	3	4,425.60	3	4,766.07	3	5,025.78	3		3		3		3	
1/4	3,407.55	1/4	3,749.52	1/4	4,091.55	1/4	4,432.69	1/4	4,773.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,414.68	1/2	3,756.65	1/2	4,098.68	1/2	4,439.79	1/2	4,780.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,421.80	3/4	3,763.77	3/4	4,105.80	3/4	4,446.88	3/4	4,787.34	3/4		3/4		3/4		3/4		3/4	
4	3,428.93	4	3,770.90	4	4,112.93	4	4,453.97	4	4,794.44	4		4		4		4		4	
1/4	3,436.05	1/4	3,778.02	1/4	4,120.05	1/4	4,461.07	1/4	4,801.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,443.17	1/2	3,785.15	1/2	4,127.18	1/2	4,468.16	1/2	4,808.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,450.30	3/4	3,792.28	3/4	4,134.30	3/4	4,475.25	3/4	4,815.65	3/4		3/4		3/4		3/4		3/4	
5	3,457.42	5	3,799.40	5	4,141.43	5	4,482.35	5	4,822.72	5		5		5		5		5	
1/4	3,464.54	1/4	3,806.53	1/4	4,148.56	1/4	4,489.44	1/4	4,829.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,471.67	1/2	3,813.65	1/2	4,155.68	1/2	4,496.53	1/2	4,836.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.79	3/4	3,820.78	3/4	4,162.81	3/4	4,503.62	3/4	4,843.86	3/4		3/4		3/4		3/4		3/4	
6	3,485.91	6	3,827.90	6	4,169.93	6	4,510.72	6	4,850.91	6		6		6		6		6	
1/4	3,493.04	1/4	3,835.03	1/4	4,177.06	1/4	4,517.81	1/4	4,857.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.16	1/2	3,842.15	1/2	4,184.18	1/2	4,524.90	1/2	4,865.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.28	3/4	3,849.28	3/4	4,191.31	3/4	4,532.00	3/4	4,872.06	3/4		3/4		3/4		3/4		3/4	
7	3,514.41	7	3,856.41	7	4,198.43	7	4,539.09	7	4,879.10	7		7		7		7		7	
1/4	3,521.53	1/4	3,863.53	1/4	4,205.56	1/4	4,546.18	1/4	4,886.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.66	1/2	3,870.66	1/2	4,212.69	1/2	4,553.28	1/2	4,893.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.78	3/4	3,877.78	3/4	4,219.81	3/4	4,560.37	3/4	4,900.23	3/4		3/4		3/4		3/4		3/4	
8	3,542.90	8	3,884.91	8	4,226.94	8	4,567.46	8	4,907.27	8		8		8		8		8	
1/4	3,550.03	1/4	3,892.03	1/4	4,234.04	1/4	4,574.55	1/4	4,914.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.15	1/2	3,899.16	1/2	4,241.15	1/2	4,581.65	1/2	4,921.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.27	3/4	3,906.28	3/4	4,248.26	3/4	4,588.74	3/4	4,928.29	3/4		3/4		3/4		3/4		3/4	
9	3,571.40	9	3,913.41	9	4,255.37	9	4,595.83	9	4,935.29	9		9		9		9		9	
1/4	3,578.52	1/4	3,920.54	1/4	4,262.46	1/4	4,602.93	1/4	4,941.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.64	1/2	3,927.66	1/2	4,269.56	1/2	4,610.02	1/2	4,948.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.77	3/4	3,934.79	3/4	4,276.65	3/4	4,617.11	3/4	4,955.00	3/4		3/4		3/4		3/4		3/4	
10	3,599.89	10	3,941.91	10	4,283.74	10	4,624.21	10	4,961.57	10		10		10		10		10	
1/4	3,607.02	1/4	3,949.04	1/4	4,290.83	1/4	4,631.30	1/4	4,967.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.14	1/2	3,956.16	1/2	4,297.93	1/2	4,638.39	1/2	4,972.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.26	3/4	3,963.29	3/4	4,305.02	3/4	4,645.48	3/4	4,978.26	3/4		3/4		3/4		3/4		3/4	
11	3,628.39	11	3,970.42	11	4,312.11	11	4,652.58	11	4,983.82	11		11		11		11		11	
1/4	3,635.51	1/4	3,977.54	1/4	4,319.21	1/4	4,659.67	1/4	4,988.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.64	1/2	3,984.67	1/2	4,326.30	1/2	4,666.76	1/2	4,992.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.76	3/4	3,991.79	3/4	4,333.39	3/4	4,673.86	3/4	4,996.95	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

1 STBD
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	252.02	0	582.83	0	925.58	0	1,268.39	0	1,611.32	0	1,954.25	0	2,297.18	0	2,640.11	0	2,983.01
1/4	3.94	1/4	258.49	1/4	589.97	1/4	932.72	1/4	1,275.53	1/4	1,618.46	1/4	1,961.39	1/4	2,304.33	1/4	2,647.25	1/4	2,990.16
1/2	5.72	1/2	264.97	1/2	597.11	1/2	939.85	1/2	1,282.68	1/2	1,625.61	1/2	1,968.54	1/2	2,311.47	1/2	2,654.39	1/2	2,997.30
3/4	7.51	3/4	271.45	3/4	604.26	3/4	946.99	3/4	1,289.82	3/4	1,632.75	3/4	1,975.68	3/4	2,318.61	3/4	2,661.54	3/4	3,004.44
1	9.30	1	277.92	1	611.40	1	954.12	1	1,296.97	1	1,639.90	1	1,982.83	1	2,325.76	1	2,668.68	1	3,011.59
1/4	12.10	1/4	284.48	1/4	618.55	1/4	961.26	1/4	1,304.11	1/4	1,647.04	1/4	1,989.97	1/4	2,332.90	1/4	2,675.83	1/4	3,018.73
1/2	14.89	1/2	291.04	1/2	625.69	1/2	968.40	1/2	1,311.25	1/2	1,654.18	1/2	1,997.12	1/2	2,340.05	1/2	2,682.97	1/2	3,025.87
3/4	17.69	3/4	297.60	3/4	632.83	3/4	975.53	3/4	1,318.40	3/4	1,661.33	3/4	2,004.26	3/4	2,347.19	3/4	2,690.11	3/4	3,033.01
2	20.49	2	304.16	2	639.98	2	982.67	2	1,325.54	2	1,668.47	2	2,011.40	2	2,354.34	2	2,697.26	2	3,040.16
1/4	24.35	1/4	310.80	1/4	647.12	1/4	989.80	1/4	1,332.69	1/4	1,675.62	1/4	2,018.55	1/4	2,361.48	1/4	2,704.40	1/4	3,047.30
1/2	28.20	1/2	317.45	1/2	654.27	1/2	996.94	1/2	1,339.83	1/2	1,682.76	1/2	2,025.69	1/2	2,368.62	1/2	2,711.54	1/2	3,054.44
3/4	32.05	3/4	324.09	3/4	661.41	3/4	1,004.07	3/4	1,346.98	3/4	1,689.91	3/4	2,032.84	3/4	2,375.77	3/4	2,718.69	3/4	3,061.58
3	35.91	3	330.73	3	668.56	3	1,011.21	3	1,354.12	3	1,697.05	3	2,039.98	3	2,382.91	3	2,725.83	3	3,068.72
1/4	41.17	1/4	337.46	1/4	675.70	1/4	1,018.35	1/4	1,361.26	1/4	1,704.20	1/4	2,047.13	1/4	2,390.06	1/4	2,732.98	1/4	3,075.87
1/2	46.42	1/2	344.18	1/2	682.84	1/2	1,025.49	1/2	1,368.41	1/2	1,711.34	1/2	2,054.27	1/2	2,397.20	1/2	2,740.12	1/2	3,083.01
3/4	51.68	3/4	350.91	3/4	689.99	3/4	1,032.63	3/4	1,375.55	3/4	1,718.48	3/4	2,061.42	3/4	2,404.35	3/4	2,747.26	3/4	3,090.15
4	56.94	4	357.64	4	697.13	4	1,039.77	4	1,382.70	4	1,725.63	4	2,068.56	4	2,411.49	4	2,754.41	4	3,097.29
1/4	62.73	1/4	364.45	1/4	704.28	1/4	1,046.91	1/4	1,389.84	1/4	1,732.77	1/4	2,075.70	1/4	2,418.64	1/4	2,761.55	1/4	3,104.43
1/2	68.51	1/2	371.26	1/2	711.42	1/2	1,054.06	1/2	1,396.99	1/2	1,739.92	1/2	2,082.85	1/2	2,425.78	1/2	2,768.70	1/2	3,111.58
3/4	74.29	3/4	378.07	3/4	718.56	3/4	1,061.20	3/4	1,404.13	3/4	1,747.06	3/4	2,089.99	3/4	2,432.92	3/4	2,775.84	3/4	3,118.72
5	80.08	5	384.88	5	725.71	5	1,068.34	5	1,411.28	5	1,754.21	5	2,097.14	5	2,440.07	5	2,782.98	5	3,125.86
1/4	85.96	1/4	391.77	1/4	732.85	1/4	1,075.49	1/4	1,418.42	1/4	1,761.35	1/4	2,104.28	1/4	2,447.21	1/4	2,790.13	1/4	3,133.00
1/2	91.85	1/2	398.66	1/2	740.00	1/2	1,082.63	1/2	1,425.56	1/2	1,768.50	1/2	2,111.43	1/2	2,454.36	1/2	2,797.27	1/2	3,140.14
3/4	97.73	3/4	405.56	3/4	747.14	3/4	1,089.78	3/4	1,432.71	3/4	1,775.64	3/4	2,118.57	3/4	2,461.50	3/4	2,804.42	3/4	3,147.29
6	103.62	6	412.45	6	754.29	6	1,096.92	6	1,439.85	6	1,782.78	6	2,125.72	6	2,468.65	6	2,811.56	6	3,154.43
1/4	109.59	1/4	419.43	1/4	761.43	1/4	1,104.07	1/4	1,447.00	1/4	1,789.93	1/4	2,132.86	1/4	2,475.79	1/4	2,818.70	1/4	3,161.57
1/2	115.57	1/2	426.41	1/2	768.57	1/2	1,111.21	1/2	1,454.14	1/2	1,797.07	1/2	2,140.00	1/2	2,482.94	1/2	2,825.85	1/2	3,168.71
3/4	121.54	3/4	433.38	3/4	775.72	3/4	1,118.36	3/4	1,461.29	3/4	1,804.22	3/4	2,147.15	3/4	2,490.08	3/4	2,832.99	3/4	3,175.85
7	127.51	7	440.36	7	782.86	7	1,125.50	7	1,468.43	7	1,811.36	7	2,154.29	7	2,497.22	7	2,840.14	7	3,183.00
1/4	133.57	1/4	447.42	1/4	790.00	1/4	1,132.64	1/4	1,475.57	1/4	1,818.51	1/4	2,161.44	1/4	2,504.37	1/4	2,847.28	1/4	3,190.14
1/2	139.63	1/2	454.48	1/2	797.14	1/2	1,139.79	1/2	1,482.72	1/2	1,825.65	1/2	2,168.58	1/2	2,511.51	1/2	2,854.42	1/2	3,197.28
3/4	145.69	3/4	461.54	3/4	804.28	3/4	1,146.93	3/4	1,489.86	3/4	1,832.79	3/4	2,175.73	3/4	2,518.66	3/4	2,861.57	3/4	3,204.42
8	151.75	8	468.60	8	811.42	8	1,154.08	8	1,497.01	8	1,839.94	8	2,182.87	8	2,525.80	8	2,868.71	8	3,211.56
1/4	157.89	1/4	475.73	1/4	818.55	1/4	1,161.22	1/4	1,504.15	1/4	1,847.08	1/4	2,190.01	1/4	2,532.95	1/4	2,875.85	1/4	3,218.71
1/2	164.03	1/2	482.85	1/2	825.69	1/2	1,168.37	1/2	1,511.30	1/2	1,854.23	1/2	2,197.16	1/2	2,540.09	1/2	2,883.00	1/2	3,225.85
3/4	170.17	3/4	489.97	3/4	832.82	3/4	1,175.51	3/4	1,518.44	3/4	1,861.37	3/4	2,204.30	3/4	2,547.23	3/4	2,890.14	3/4	3,232.99
9	176.31	9	497.09	9	839.96	9	1,182.65	9	1,525.59	9	1,868.52	9	2,211.45	9	2,554.38	9	2,897.29	9	3,240.13
1/4	182.54	1/4	504.24	1/4	847.09	1/4	1,189.80	1/4	1,532.73	1/4	1,875.66	1/4	2,218.59	1/4	2,561.52	1/4	2,904.43	1/4	3,247.27
1/2	188.76	1/2	511.38	1/2	854.23	1/2	1,196.94	1/2	1,539.87	1/2	1,882.81	1/2	2,225.74	1/2	2,568.67	1/2	2,911.57	1/2	3,254.42
3/4	194.99	3/4	518.53	3/4	861.36	3/4	1,204.09	3/4	1,547.02	3/4	1,889.95	3/4	2,232.88	3/4	2,575.81	3/4	2,918.72	3/4	3,261.56
10	201.21	10	525.67	10	868.50	10	1,211.23	10	1,554.16	10	1,897.09	10	2,240.03	10	2,582.96	10	2,925.86	10	3,268.70
1/4	207.52	1/4	532.82	1/4	875.63	1/4	1,218.38	1/4	1,561.31	1/4	1,904.24	1/4	2,247.17	1/4	2,590.10	1/4	2,933.01	1/4	3,275.84
1/2	213.83	1/2	539.96	1/2	882.77	1/2	1,225.52	1/2	1,568.45	1/2	1,911.38	1/2	2,254.31	1/2	2,597.25	1/2	2,940.15	1/2	3,282.98
3/4	220.14	3/4	547.10	3/4	889.91	3/4	1,232.67	3/4	1,575.60	3/4	1,918.53	3/4	2,261.46	3/4	2,604.39	3/4	2,947.29	3/4	3,290.13
11	226.45	11	554.25	11	897.04	11	1,239.81	11	1,582.74	11	1,925.67	11	2,268.60	11	2,611.53	11	2,954.44	11	3,297.27
1/4	232.84	1/4	561.39	1/4	904.18	1/4	1,246.95	1/4	1,589.89	1/4	1,932.82	1/4	2,275.75	1/4	2,618.68	1/4	2,961.58	1/4	3,304.41
1/2	239.23	1/2	568.54	1/2	911.31	1/2	1,254.10	1/2	1,597.03	1/2	1,939.96	1/2	2,282.89	1/2	2,625.82	1/2	2,968.73	1/2	3,311.55
3/4	245.63	3/4	575.68	3/4	918.45	3/4	1,261.24	3/4	1,604.17	3/4	1,947.11	3/4	2,290.04	3/4	2,632.96	3/4	2,975.87	3/4	3,318.69

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,325.84	0	3,668.66	0	4,011.57	0	4,354.02	0	4,695.36	0	5,016.56	0		0		0		0	
1/4	3,332.98	1/4	3,675.80	1/4	4,018.71	1/4	4,361.13	1/4	4,702.47	1/4	5,019.76	1/4		1/4		1/4		1/4	
1/2	3,340.12	1/2	3,682.95	1/2	4,025.86	1/2	4,368.24	1/2	4,709.59	1/2	5,022.95	1/2		1/2		1/2		1/2	
3/4	3,347.26	3/4	3,690.09	3/4	4,033.00	3/4	4,375.35	3/4	4,716.70	3/4	5,026.15	3/4		3/4		3/4		3/4	
1	3,354.40	1	3,697.23	1	4,040.15	1	4,382.47	1	4,723.81	1	5,029.35	1		1		1		1	
1/4	3,361.55	1/4	3,704.38	1/4	4,047.29	1/4	4,389.58	1/4	4,730.92	1/4	5,031.35	1/4		1/4		1/4		1/4	
1/2	3,368.69	1/2	3,711.52	1/2	4,054.43	1/2	4,396.69	1/2	4,738.03	1/2	5,033.36	1/2		1/2		1/2		1/2	
3/4	3,375.83	3/4	3,718.67	3/4	4,061.58	3/4	4,403.80	3/4	4,745.14	3/4	5,035.36	3/4		3/4		3/4		3/4	
2	3,382.97	2	3,725.81	2	4,068.72	2	4,410.91	2	4,752.25	2	5,037.37	2		2		2		2	
1/4	3,390.11	1/4	3,732.95	1/4	4,075.87	1/4	4,418.02	1/4	4,759.37	1/4	5,038.30	1/4		1/4		1/4		1/4	
1/2	3,397.26	1/2	3,740.10	1/2	4,083.01	1/2	4,425.13	1/2	4,766.48	1/2	5,039.23	1/2		1/2		1/2		1/2	
3/4	3,404.40	3/4	3,747.24	3/4	4,090.15	3/4	4,432.25	3/4	4,773.59	3/4	5,040.16	3/4		3/4		3/4		3/4	
3	3,411.54	3	3,754.39	3	4,097.30	3	4,439.36	3	4,780.70	3	5,041.08	3		3		3		3	
1/4	3,418.68	1/4	3,761.53	1/4	4,104.44	1/4	4,446.47	1/4	4,787.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,425.82	1/2	3,768.67	1/2	4,111.59	1/2	4,453.58	1/2	4,794.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,432.97	3/4	3,775.82	3/4	4,118.73	3/4	4,460.69	3/4	4,802.03	3/4		3/4		3/4		3/4		3/4	
4	3,440.11	4	3,782.96	4	4,125.87	4	4,467.80	4	4,809.14	4		4		4		4		4	
1/4	3,447.25	1/4	3,790.11	1/4	4,133.02	1/4	4,474.91	1/4	4,816.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,454.39	1/2	3,797.25	1/2	4,140.16	1/2	4,482.02	1/2	4,823.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.53	3/4	3,804.39	3/4	4,147.31	3/4	4,489.14	3/4	4,830.41	3/4		3/4		3/4		3/4		3/4	
5	3,468.68	5	3,811.54	5	4,154.45	5	4,496.25	5	4,837.50	5		5		5		5		5	
1/4	3,475.82	1/4	3,818.68	1/4	4,161.59	1/4	4,503.36	1/4	4,844.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,482.96	1/2	3,825.83	1/2	4,168.74	1/2	4,510.47	1/2	4,851.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,490.10	3/4	3,832.97	3/4	4,175.88	3/4	4,517.58	3/4	4,858.70	3/4		3/4		3/4		3/4		3/4	
6	3,497.24	6	3,840.11	6	4,183.03	6	4,524.69	6	4,865.76	6		6		6		6		6	
1/4	3,504.39	1/4	3,847.26	1/4	4,190.17	1/4	4,531.80	1/4	4,872.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.53	1/2	3,854.40	1/2	4,197.31	1/2	4,538.91	1/2	4,879.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.67	3/4	3,861.55	3/4	4,204.46	3/4	4,546.03	3/4	4,886.96	3/4		3/4		3/4		3/4		3/4	
7	3,525.81	7	3,868.69	7	4,211.60	7	4,553.14	7	4,894.03	7		7		7		7		7	
1/4	3,532.95	1/4	3,875.83	1/4	4,218.75	1/4	4,560.25	1/4	4,901.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.10	1/2	3,882.98	1/2	4,225.89	1/2	4,567.36	1/2	4,908.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.24	3/4	3,890.12	3/4	4,233.03	3/4	4,574.47	3/4	4,915.20	3/4		3/4		3/4		3/4		3/4	
8	3,554.38	8	3,897.27	8	4,240.18	8	4,581.58	8	4,922.26	8		8		8		8		8	
1/4	3,561.52	1/4	3,904.41	1/4	4,247.31	1/4	4,588.69	1/4	4,929.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.66	1/2	3,911.55	1/2	4,254.43	1/2	4,595.81	1/2	4,936.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.81	3/4	3,918.70	3/4	4,261.56	3/4	4,602.92	3/4	4,943.33	3/4		3/4		3/4		3/4		3/4	
9	3,582.95	9	3,925.84	9	4,268.69	9	4,610.03	9	4,950.36	9		9		9		9		9	
1/4	3,590.09	1/4	3,932.99	1/4	4,275.80	1/4	4,617.14	1/4	4,956.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.23	1/2	3,940.13	1/2	4,282.91	1/2	4,624.25	1/2	4,963.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.37	3/4	3,947.27	3/4	4,290.02	3/4	4,631.36	3/4	4,970.11	3/4		3/4		3/4		3/4		3/4	
10	3,611.52	10	3,954.42	10	4,297.13	10	4,638.47	10	4,976.70	10		10		10		10		10	
1/4	3,618.66	1/4	3,961.56	1/4	4,304.24	1/4	4,645.58	1/4	4,982.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.80	1/2	3,968.71	1/2	4,311.35	1/2	4,652.70	1/2	4,987.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.94	3/4	3,975.85	3/4	4,318.46	3/4	4,659.81	3/4	4,993.43	3/4		3/4		3/4		3/4		3/4	
11	3,640.08	11	3,982.99	11	4,325.58	11	4,666.92	11	4,999.01	11		11		11		11		11	
1/4	3,647.23	1/4	3,990.14	1/4	4,332.69	1/4	4,674.03	1/4	5,003.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.37	1/2	3,997.28	1/2	4,339.80	1/2	4,681.14	1/2	5,007.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.51	3/4	4,004.43	3/4	4,346.91	3/4	4,688.25	3/4	5,012.17	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 PORT INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.16	0	301.27	0	645.38	0	981.61	0	1,319.09	0	1,663.21	0	2,007.34	0	2,351.47	0	2,695.59	0	3,039.72
1/4	3.95	1/4	308.43	1/4	652.55	1/4	988.47	1/4	1,326.26	1/4	1,670.38	1/4	2,014.51	1/4	2,358.64	1/4	2,702.76	1/4	3,046.88
1/2	5.74	1/2	315.60	1/2	659.72	1/2	995.33	1/2	1,333.43	1/2	1,677.55	1/2	2,021.68	1/2	2,365.80	1/2	2,709.93	1/2	3,054.05
3/4	7.54	3/4	322.77	3/4	666.88	3/4	1,002.19	3/4	1,340.59	3/4	1,684.72	3/4	2,028.85	3/4	2,372.97	3/4	2,717.10	3/4	3,061.21
1	9.33	1	329.94	1	674.05	1	1,009.05	1	1,347.76	1	1,691.89	1	2,036.02	1	2,380.14	1	2,724.27	1	3,068.38
1/4	12.91	1/4	337.11	1/4	681.22	1/4	1,015.92	1/4	1,354.93	1/4	1,699.06	1/4	2,043.19	1/4	2,387.31	1/4	2,731.44	1/4	3,075.55
1/2	16.50	1/2	344.28	1/2	688.39	1/2	1,022.78	1/2	1,362.10	1/2	1,706.23	1/2	2,050.36	1/2	2,394.48	1/2	2,738.61	1/2	3,082.71
3/4	20.08	3/4	351.45	3/4	695.56	3/4	1,029.64	3/4	1,369.27	3/4	1,713.40	3/4	2,057.52	3/4	2,401.65	3/4	2,745.78	3/4	3,089.88
2	23.67	2	358.62	2	702.73	2	1,036.50	2	1,376.44	2	1,720.57	2	2,064.69	2	2,408.82	2	2,752.95	2	3,097.05
1/4	29.04	1/4	365.79	1/4	709.90	1/4	1,043.36	1/4	1,383.61	1/4	1,727.74	1/4	2,071.86	1/4	2,415.99	1/4	2,760.12	1/4	3,104.21
1/2	34.42	1/2	372.96	1/2	717.07	1/2	1,050.22	1/2	1,390.78	1/2	1,734.91	1/2	2,079.03	1/2	2,423.16	1/2	2,767.29	1/2	3,111.38
3/4	39.79	3/4	380.12	3/4	724.24	3/4	1,057.08	3/4	1,397.95	3/4	1,742.08	3/4	2,086.20	3/4	2,430.33	3/4	2,774.45	3/4	3,118.55
3	45.17	3	387.29	3	731.41	3	1,063.94	3	1,405.12	3	1,749.24	3	2,093.37	3	2,437.50	3	2,781.62	3	3,125.72
1/4	51.87	1/4	394.46	1/4	738.57	1/4	1,070.81	1/4	1,412.29	1/4	1,756.41	1/4	2,100.54	1/4	2,444.67	1/4	2,788.79	1/4	3,132.88
1/2	58.57	1/2	401.63	1/2	745.74	1/2	1,077.67	1/2	1,419.46	1/2	1,763.58	1/2	2,107.71	1/2	2,451.84	1/2	2,795.96	1/2	3,140.05
3/4	65.28	3/4	408.80	3/4	752.91	3/4	1,084.54	3/4	1,426.63	3/4	1,770.75	3/4	2,114.88	3/4	2,459.01	3/4	2,803.13	3/4	3,147.22
4	71.98	4	415.97	4	760.08	4	1,091.40	4	1,433.80	4	1,777.92	4	2,122.05	4	2,466.17	4	2,810.30	4	3,154.39
1/4	79.12	1/4	423.14	1/4	767.25	1/4	1,098.28	1/4	1,440.96	1/4	1,785.09	1/4	2,129.22	1/4	2,473.34	1/4	2,817.47	1/4	3,161.55
1/2	86.27	1/2	430.31	1/2	774.42	1/2	1,105.16	1/2	1,448.13	1/2	1,792.26	1/2	2,136.39	1/2	2,480.51	1/2	2,824.64	1/2	3,168.72
3/4	93.41	3/4	437.48	3/4	781.59	3/4	1,112.04	3/4	1,455.30	3/4	1,799.43	3/4	2,143.56	3/4	2,487.68	3/4	2,831.81	3/4	3,175.89
5	100.56	5	444.65	5	788.76	5	1,118.91	5	1,462.47	5	1,806.60	5	2,150.73	5	2,494.85	5	2,838.98	5	3,183.05
1/4	107.72	1/4	451.81	1/4	795.79	1/4	1,125.94	1/4	1,469.64	1/4	1,813.77	1/4	2,157.89	1/4	2,502.02	1/4	2,846.15	1/4	3,190.22
1/2	114.89	1/2	458.98	1/2	802.81	1/2	1,132.97	1/2	1,476.81	1/2	1,820.94	1/2	2,165.06	1/2	2,509.19	1/2	2,853.32	1/2	3,197.39
3/4	122.05	3/4	466.15	3/4	809.84	3/4	1,140.00	3/4	1,483.98	3/4	1,828.11	3/4	2,172.23	3/4	2,516.36	3/4	2,860.49	3/4	3,204.56
6	129.21	6	473.32	6	816.87	6	1,147.02	6	1,491.15	6	1,835.28	6	2,179.40	6	2,523.53	6	2,867.66	6	3,211.72
1/4	136.38	1/4	480.49	1/4	823.75	1/4	1,154.19	1/4	1,498.32	1/4	1,842.45	1/4	2,186.57	1/4	2,530.70	1/4	2,874.82	1/4	3,218.89
1/2	143.55	1/2	487.66	1/2	830.62	1/2	1,161.36	1/2	1,505.49	1/2	1,849.62	1/2	2,193.74	1/2	2,537.87	1/2	2,881.99	1/2	3,226.06
3/4	150.72	3/4	494.83	3/4	837.50	3/4	1,168.53	3/4	1,512.66	3/4	1,856.78	3/4	2,200.91	3/4	2,545.04	3/4	2,889.16	3/4	3,233.22
7	157.89	7	502.00	7	844.38	7	1,175.70	7	1,519.83	7	1,863.95	7	2,208.08	7	2,552.21	7	2,896.33	7	3,240.39
1/4	165.05	1/4	509.17	1/4	851.24	1/4	1,182.87	1/4	1,527.00	1/4	1,871.12	1/4	2,215.25	1/4	2,559.38	1/4	2,903.50	1/4	3,247.56
1/2	172.22	1/2	516.34	1/2	858.11	1/2	1,190.04	1/2	1,534.17	1/2	1,878.29	1/2	2,222.42	1/2	2,566.55	1/2	2,910.67	1/2	3,254.73
3/4	179.39	3/4	523.50	3/4	864.97	3/4	1,197.21	3/4	1,541.34	3/4	1,885.46	3/4	2,229.59	3/4	2,573.71	3/4	2,917.84	3/4	3,261.89
8	186.56	8	530.67	8	871.84	8	1,204.38	8	1,548.50	8	1,892.63	8	2,236.76	8	2,580.88	8	2,925.01	8	3,269.06
1/4	193.73	1/4	537.84	1/4	878.70	1/4	1,211.55	1/4	1,555.67	1/4	1,899.80	1/4	2,243.93	1/4	2,588.05	1/4	2,932.18	1/4	3,276.23
1/2	200.90	1/2	545.01	1/2	885.56	1/2	1,218.72	1/2	1,562.84	1/2	1,906.97	1/2	2,251.10	1/2	2,595.22	1/2	2,939.35	1/2	3,283.39
3/4	208.07	3/4	552.18	3/4	892.42	3/4	1,225.89	3/4	1,570.01	3/4	1,914.14	3/4	2,258.27	3/4	2,602.39	3/4	2,946.52	3/4	3,290.56
9	215.24	9	559.35	9	899.28	9	1,233.06	9	1,577.18	9	1,921.31	9	2,265.43	9	2,609.56	9	2,953.69	9	3,297.73
1/4	222.41	1/4	566.52	1/4	906.14	1/4	1,240.22	1/4	1,584.35	1/4	1,928.48	1/4	2,272.60	1/4	2,616.73	1/4	2,960.86	1/4	3,304.90
1/2	229.58	1/2	573.69	1/2	913.00	1/2	1,247.39	1/2	1,591.52	1/2	1,935.65	1/2	2,279.77	1/2	2,623.90	1/2	2,968.03	1/2	3,312.06
3/4	236.74	3/4	580.86	3/4	919.86	3/4	1,254.56	3/4	1,598.69	3/4	1,942.82	3/4	2,286.94	3/4	2,631.07	3/4	2,975.20	3/4	3,319.23
10	243.91	10	588.03	10	926.72	10	1,261.73	10	1,605.86	10	1,949.99	10	2,294.11	10	2,638.24	10	2,982.36	10	3,326.40
1/4	251.08	1/4	595.19	1/4	933.58	1/4	1,268.90	1/4	1,613.03	1/4	1,957.15	1/4	2,301.28	1/4	2,645.41	1/4	2,989.53	1/4	3,333.57
1/2	258.25	1/2	602.36	1/2	940.45	1/2	1,276.07	1/2	1,620.20	1/2	1,964.32	1/2	2,308.45	1/2	2,652.58	1/2	2,996.70	1/2	3,340.73
3/4	265.42	3/4	609.53	3/4	947.31	3/4	1,283.24	3/4	1,627.37	3/4	1,971.49	3/4	2,315.62	3/4	2,659.75	3/4	3,003.87	3/4	3,347.90
11	272.59	11	616.70	11	954.17	11	1,290.41	11	1,634.54	11	1,978.66	11	2,322.79	11	2,666.92	11	3,011.04	11	3,355.07
1/4	279.76	1/4	623.87	1/4	961.03	1/4	1,297.58	1/4	1,641.71	1/4	1,985.83	1/4	2,329.96	1/4	2,674.08	1/4	3,018.21	1/4	3,362.23
1/2	286.93	1/2	631.04	1/2	967.89	1/2	1,304.75	1/2	1,648.87	1/2	1,993.00	1/2	2,337.13	1/2	2,681.25	1/2	3,025.38	1/2	3,369.40
3/4	294.10	3/4	638.21	3/4	974.75	3/4	1,311.92	3/4	1,656.04	3/4	2,000.17	3/4	2,344.30	3/4	2,688.42	3/4	3,032.55	3/4	3,376.57

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,383.74	0	3,727.76	0	4,071.79	0	4,415.36	0	4,757.82	0	5,080.06	0		0		0		0	
1/4	3,390.90	1/4	3,734.93	1/4	4,078.95	1/4	4,422.50	1/4	4,764.96	1/4	5,083.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,398.07	1/2	3,742.10	1/2	4,086.12	1/2	4,429.63	1/2	4,772.09	1/2	5,086.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,405.24	3/4	3,749.26	3/4	4,093.29	3/4	4,436.77	3/4	4,779.23	3/4	5,089.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	3,412.40	1	3,756.43	1	4,100.46	1	4,443.90	1	4,786.36	1	5,092.89	1		1		1		1	
1/4	3,419.57	1/4	3,763.60	1/4	4,107.62	1/4	4,451.04	1/4	4,793.50	1/4	5,094.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,426.74	1/2	3,770.76	1/2	4,114.79	1/2	4,458.17	1/2	4,800.63	1/2	5,096.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,433.91	3/4	3,777.93	3/4	4,121.96	3/4	4,465.31	3/4	4,807.77	3/4	5,098.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	3,441.07	2	3,785.10	2	4,129.12	2	4,472.44	2	4,814.90	2	5,100.93	2		2		2		2	
1/4	3,448.24	1/4	3,792.27	1/4	4,136.29	1/4	4,479.57	1/4	4,822.04	1/4	5,101.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,455.41	1/2	3,799.43	1/2	4,143.46	1/2	4,486.71	1/2	4,829.17	1/2	5,102.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,462.57	3/4	3,806.60	3/4	4,150.63	3/4	4,493.84	3/4	4,836.31	3/4	5,103.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	3,469.74	3	3,813.77	3	4,157.79	3	4,500.98	3	4,843.44	3	5,104.66	3		3		3		3	
1/4	3,476.91	1/4	3,820.93	1/4	4,164.96	1/4	4,508.11	1/4	4,850.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,484.08	1/2	3,828.10	1/2	4,172.13	1/2	4,515.25	1/2	4,857.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,491.24	3/4	3,835.27	3/4	4,179.29	3/4	4,522.38	3/4	4,864.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	3,498.41	4	3,842.44	4	4,186.46	4	4,529.52	4	4,871.98	4		4		4		4		4	
1/4	3,505.58	1/4	3,849.60	1/4	4,193.63	1/4	4,536.65	1/4	4,879.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,512.75	1/2	3,856.77	1/2	4,200.80	1/2	4,543.79	1/2	4,886.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,519.91	3/4	3,863.94	3/4	4,207.96	3/4	4,550.92	3/4	4,893.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	3,527.08	5	3,871.11	5	4,215.13	5	4,558.06	5	4,900.42	5		5		5		5		5	
1/4	3,534.25	1/4	3,878.27	1/4	4,222.30	1/4	4,565.19	1/4	4,907.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,541.41	1/2	3,885.44	1/2	4,229.47	1/2	4,572.32	1/2	4,914.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,548.58	3/4	3,892.61	3/4	4,236.63	3/4	4,579.46	3/4	4,921.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	3,555.75	6	3,899.77	6	4,243.80	6	4,586.59	6	4,928.78	6		6		6		6		6	
1/4	3,562.92	1/4	3,906.94	1/4	4,250.97	1/4	4,593.73	1/4	4,935.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,570.08	1/2	3,914.11	1/2	4,258.13	1/2	4,600.86	1/2	4,942.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,577.25	3/4	3,921.28	3/4	4,265.30	3/4	4,608.00	3/4	4,950.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	3,584.42	7	3,928.44	7	4,272.47	7	4,615.13	7	4,957.13	7		7		7		7		7	
1/4	3,591.58	1/4	3,935.61	1/4	4,279.64	1/4	4,622.27	1/4	4,964.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,598.75	1/2	3,942.78	1/2	4,286.80	1/2	4,629.40	1/2	4,971.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,605.92	3/4	3,949.94	3/4	4,293.97	3/4	4,636.54	3/4	4,978.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	3,613.09	8	3,957.11	8	4,301.14	8	4,643.67	8	4,985.46	8		8		8		8		8	
1/4	3,620.25	1/4	3,964.28	1/4	4,308.29	1/4	4,650.81	1/4	4,992.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,627.42	1/2	3,971.45	1/2	4,315.44	1/2	4,657.94	1/2	4,999.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,634.59	3/4	3,978.61	3/4	4,322.60	3/4	4,665.07	3/4	5,006.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	3,641.75	9	3,985.78	9	4,329.75	9	4,672.21	9	5,013.65	9		9		9		9		9	
1/4	3,648.92	1/4	3,992.95	1/4	4,336.88	1/4	4,679.34	1/4	5,020.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,656.09	1/2	4,000.11	1/2	4,344.02	1/2	4,686.48	1/2	5,026.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,663.26	3/4	4,007.28	3/4	4,351.15	3/4	4,693.61	3/4	5,033.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	3,670.42	10	4,014.45	10	4,358.29	10	4,700.75	10	5,040.07	10		10		10		10		10	
1/4	3,677.59	1/4	4,021.62	1/4	4,365.42	1/4	4,707.88	1/4	5,045.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,684.76	1/2	4,028.78	1/2	4,372.56	1/2	4,715.02	1/2	5,051.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,691.93	3/4	4,035.95	3/4	4,379.69	3/4	4,722.15	3/4	5,056.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	3,699.09	11	4,043.12	11	4,386.83	11	4,729.29	11	5,062.46	11		11		11		11		11	
1/4	3,706.26	1/4	4,050.29	1/4	4,393.96	1/4	4,736.42	1/4	5,066.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	3,713.43	1/2	4,057.45	1/2	4,401.09	1/2	4,743.56	1/2	5,071.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3,720.59	3/4	4,064.62	3/4	4,408.23	3/4	4,750.69	3/4	5,075.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 STBD
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.16	0	300.88	0	644.55	0	987.96	0	1,331.42	0	1,675.11	0	2,018.79	0	2,362.48	0	2,706.16	0	3,049.85
1/4	3.95	1/4	308.04	1/4	651.71	1/4	995.10	1/4	1,338.58	1/4	1,682.27	1/4	2,025.95	1/4	2,369.64	1/4	2,713.32	1/4	3,057.01
1/2	5.74	1/2	315.20	1/2	658.87	1/2	1,002.25	1/2	1,345.74	1/2	1,689.43	1/2	2,033.11	1/2	2,376.80	1/2	2,720.48	1/2	3,064.17
3/4	7.53	3/4	322.36	3/4	666.03	3/4	1,009.40	3/4	1,352.90	3/4	1,696.59	3/4	2,040.27	3/4	2,383.96	3/4	2,727.64	3/4	3,071.33
1	9.32	1	329.52	1	673.19	1	1,016.54	1	1,360.06	1	1,703.75	1	2,047.43	1	2,391.12	1	2,734.80	1	3,078.49
1/4	12.90	1/4	336.68	1/4	680.35	1/4	1,023.69	1/4	1,367.22	1/4	1,710.91	1/4	2,054.59	1/4	2,398.28	1/4	2,741.96	1/4	3,085.65
1/2	16.48	1/2	343.84	1/2	687.51	1/2	1,030.83	1/2	1,374.38	1/2	1,718.07	1/2	2,061.75	1/2	2,405.44	1/2	2,749.12	1/2	3,092.81
3/4	20.06	3/4	351.00	3/4	694.67	3/4	1,037.98	3/4	1,381.54	3/4	1,725.23	3/4	2,068.91	3/4	2,412.60	3/4	2,756.28	3/4	3,099.97
2	23.64	2	358.16	2	701.83	2	1,045.13	2	1,388.70	2	1,732.39	2	2,076.07	2	2,419.76	2	2,763.44	2	3,107.12
1/4	29.00	1/4	365.32	1/4	708.99	1/4	1,052.27	1/4	1,395.86	1/4	1,739.55	1/4	2,083.23	1/4	2,426.92	1/4	2,770.60	1/4	3,114.28
1/2	34.37	1/2	372.48	1/2	716.15	1/2	1,059.42	1/2	1,403.02	1/2	1,746.71	1/2	2,090.39	1/2	2,434.08	1/2	2,777.76	1/2	3,121.44
3/4	39.74	3/4	379.64	3/4	723.31	3/4	1,066.56	3/4	1,410.19	3/4	1,753.87	3/4	2,097.55	3/4	2,441.24	3/4	2,784.92	3/4	3,128.60
3	45.11	3	386.80	3	730.47	3	1,073.71	3	1,417.35	3	1,761.03	3	2,104.71	3	2,448.40	3	2,792.08	3	3,135.76
1/4	51.81	1/4	393.96	1/4	737.63	1/4	1,080.86	1/4	1,424.51	1/4	1,768.19	1/4	2,111.87	1/4	2,455.56	1/4	2,799.24	1/4	3,142.91
1/2	58.50	1/2	401.12	1/2	744.79	1/2	1,088.01	1/2	1,431.67	1/2	1,775.35	1/2	2,119.03	1/2	2,462.72	1/2	2,806.40	1/2	3,150.07
3/4	65.19	3/4	408.28	3/4	751.95	3/4	1,095.16	3/4	1,438.83	3/4	1,782.51	3/4	2,126.20	3/4	2,469.88	3/4	2,813.56	3/4	3,157.23
4	71.89	4	415.44	4	759.11	4	1,102.31	4	1,445.99	4	1,789.67	4	2,133.36	4	2,477.04	4	2,820.72	4	3,164.39
1/4	79.02	1/4	422.60	1/4	766.27	1/4	1,109.47	1/4	1,453.15	1/4	1,796.83	1/4	2,140.52	1/4	2,484.20	1/4	2,827.88	1/4	3,171.55
1/2	86.16	1/2	429.76	1/2	773.43	1/2	1,116.63	1/2	1,460.31	1/2	1,803.99	1/2	2,147.68	1/2	2,491.36	1/2	2,835.04	1/2	3,178.70
3/4	93.30	3/4	436.92	3/4	780.59	3/4	1,123.78	3/4	1,467.47	3/4	1,811.15	3/4	2,154.84	3/4	2,498.52	3/4	2,842.21	3/4	3,185.86
5	100.43	5	444.08	5	787.75	5	1,130.94	5	1,474.63	5	1,818.31	5	2,162.00	5	2,505.68	5	2,849.37	5	3,193.02
1/4	107.59	1/4	451.24	1/4	794.91	1/4	1,138.10	1/4	1,481.79	1/4	1,825.47	1/4	2,169.16	1/4	2,512.84	1/4	2,856.53	1/4	3,200.18
1/2	114.74	1/2	458.40	1/2	802.07	1/2	1,145.26	1/2	1,488.95	1/2	1,832.63	1/2	2,176.32	1/2	2,520.00	1/2	2,863.69	1/2	3,207.34
3/4	121.89	3/4	465.56	3/4	809.23	3/4	1,152.42	3/4	1,496.11	3/4	1,839.79	3/4	2,183.48	3/4	2,527.16	3/4	2,870.85	3/4	3,214.50
6	129.05	6	472.72	6	816.39	6	1,159.58	6	1,503.27	6	1,846.95	6	2,190.64	6	2,534.32	6	2,878.01	6	3,221.65
1/4	136.21	1/4	479.88	1/4	823.55	1/4	1,166.74	1/4	1,510.43	1/4	1,854.11	1/4	2,197.80	1/4	2,541.48	1/4	2,885.17	1/4	3,228.81
1/2	143.37	1/2	487.04	1/2	830.71	1/2	1,173.90	1/2	1,517.59	1/2	1,861.27	1/2	2,204.96	1/2	2,548.64	1/2	2,892.33	1/2	3,235.97
3/4	150.53	3/4	494.20	3/4	837.86	3/4	1,181.06	3/4	1,524.75	3/4	1,868.43	3/4	2,212.12	3/4	2,555.80	3/4	2,899.49	3/4	3,243.13
7	157.69	7	501.36	7	845.02	7	1,188.22	7	1,531.91	7	1,875.59	7	2,219.28	7	2,562.96	7	2,906.65	7	3,250.29
1/4	164.84	1/4	508.52	1/4	852.17	1/4	1,195.38	1/4	1,539.07	1/4	1,882.75	1/4	2,226.44	1/4	2,570.12	1/4	2,913.81	1/4	3,257.44
1/2	172.00	1/2	515.68	1/2	859.32	1/2	1,202.54	1/2	1,546.23	1/2	1,889.91	1/2	2,233.60	1/2	2,577.28	1/2	2,920.97	1/2	3,264.60
3/4	179.16	3/4	522.83	3/4	866.47	3/4	1,209.70	3/4	1,553.39	3/4	1,897.07	3/4	2,240.76	3/4	2,584.44	3/4	2,928.13	3/4	3,271.76
8	186.32	8	529.99	8	873.62	8	1,216.86	8	1,560.55	8	1,904.23	8	2,247.92	8	2,591.60	8	2,935.29	8	3,278.92
1/4	193.48	1/4	537.15	1/4	880.77	1/4	1,224.02	1/4	1,567.71	1/4	1,911.39	1/4	2,255.08	1/4	2,598.76	1/4	2,942.45	1/4	3,286.08
1/2	200.64	1/2	544.31	1/2	887.92	1/2	1,231.18	1/2	1,574.87	1/2	1,918.55	1/2	2,262.24	1/2	2,605.92	1/2	2,949.61	1/2	3,293.23
3/4	207.80	3/4	551.47	3/4	895.06	3/4	1,238.34	3/4	1,582.03	3/4	1,925.71	3/4	2,269.40	3/4	2,613.08	3/4	2,956.77	3/4	3,300.39
9	214.96	9	558.63	9	902.21	9	1,245.50	9	1,589.19	9	1,932.87	9	2,276.56	9	2,620.24	9	2,963.93	9	3,307.55
1/4	222.12	1/4	565.79	1/4	909.35	1/4	1,252.66	1/4	1,596.35	1/4	1,940.03	1/4	2,283.72	1/4	2,627.40	1/4	2,971.09	1/4	3,314.71
1/2	229.28	1/2	572.95	1/2	916.50	1/2	1,259.82	1/2	1,603.51	1/2	1,947.19	1/2	2,290.88	1/2	2,634.56	1/2	2,978.25	1/2	3,321.87
3/4	236.44	3/4	580.11	3/4	923.64	3/4	1,266.98	3/4	1,610.67	3/4	1,954.35	3/4	2,298.04	3/4	2,641.72	3/4	2,985.41	3/4	3,329.02
10	243.60	10	587.27	10	930.79	10	1,274.14	10	1,617.83	10	1,961.51	10	2,305.20	10	2,648.88	10	2,992.57	10	3,336.18
1/4	250.76	1/4	594.43	1/4	937.94	1/4	1,281.30	1/4	1,624.99	1/4	1,968.67	1/4	2,312.36	1/4	2,656.04	1/4	2,999.73	1/4	3,343.34
1/2	257.92	1/2	601.59	1/2	945.08	1/2	1,288.46	1/2	1,632.15	1/2	1,975.83	1/2	2,319.52	1/2	2,663.20	1/2	3,006.89	1/2	3,350.50
3/4	265.08	3/4	608.75	3/4	952.23	3/4	1,295.62	3/4	1,639.31	3/4	1,982.99	3/4	2,326.68	3/4	2,670.36	3/4	3,014.05	3/4	3,357.66
11	272.24	11	615.91	11	959.37	11	1,302.78	11	1,646.47	11	1,990.15	11	2,333.84	11	2,677.52	11	3,021.21	11	3,364.82
1/4	279.40	1/4	623.07	1/4	966.52	1/4	1,309.94	1/4	1,653.63	1/4	1,997.31	1/4	2,341.00	1/4	2,684.68	1/4	3,028.37	1/4	3,371.97
1/2	286.56	1/2	630.23	1/2	973.67	1/2	1,317.10	1/2	1,660.79	1/2	2,004.47	1/2	2,348.16	1/2	2,691.84	1/2	3,035.53	1/2	3,379.13
3/4	293.72	3/4	637.39	3/4	980.81	3/4	1,324.26	3/4	1,667.95	3/4	2,011.63	3/4	2,355.32	3/4	2,699.00	3/4	3,042.69	3/4	3,386.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

2 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,393.45	0	3,737.05	0	4,080.74	0	4,423.96	0	4,766.08	0	5,088.01	0		0		0		0	
1/4	3,400.61	1/4	3,744.21	1/4	4,087.90	1/4	4,431.09	1/4	4,773.21	1/4	5,091.21	1/4		1/4		1/4		1/4	
1/2	3,407.76	1/2	3,751.37	1/2	4,095.06	1/2	4,438.22	1/2	4,780.33	1/2	5,094.42	1/2		1/2		1/2		1/2	
3/4	3,414.92	3/4	3,758.53	3/4	4,102.22	3/4	4,445.35	3/4	4,787.46	3/4	5,097.62	3/4		3/4		3/4		3/4	
1	3,422.08	1	3,765.69	1	4,109.38	1	4,452.47	1	4,794.59	1	5,100.82	1		1		1		1	
1/4	3,429.24	1/4	3,772.85	1/4	4,116.54	1/4	4,459.60	1/4	4,801.72	1/4	5,102.83	1/4		1/4		1/4		1/4	
1/2	3,436.40	1/2	3,780.01	1/2	4,123.70	1/2	4,466.73	1/2	4,808.84	1/2	5,104.85	1/2		1/2		1/2		1/2	
3/4	3,443.55	3/4	3,787.17	3/4	4,130.86	3/4	4,473.86	3/4	4,815.97	3/4	5,106.86	3/4		3/4		3/4		3/4	
2	3,450.71	2	3,794.33	2	4,138.02	2	4,480.98	2	4,823.10	2	5,108.87	2		2		2		2	
1/4	3,457.87	1/4	3,801.49	1/4	4,145.18	1/4	4,488.11	1/4	4,830.23	1/4	5,109.80	1/4		1/4		1/4		1/4	
1/2	3,465.03	1/2	3,808.65	1/2	4,152.34	1/2	4,495.24	1/2	4,837.35	1/2	5,110.73	1/2		1/2		1/2		1/2	
3/4	3,472.19	3/4	3,815.81	3/4	4,159.50	3/4	4,502.37	3/4	4,844.48	3/4	5,111.66	3/4		3/4		3/4		3/4	
3	3,479.34	3	3,822.97	3	4,166.66	3	4,509.49	3	4,851.61	3	5,112.59	3		3		3		3	
1/4	3,486.50	1/4	3,830.13	1/4	4,173.82	1/4	4,516.62	1/4	4,858.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.66	1/2	3,837.29	1/2	4,180.98	1/2	4,523.75	1/2	4,865.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.82	3/4	3,844.45	3/4	4,188.14	3/4	4,530.87	3/4	4,872.99	3/4		3/4		3/4		3/4		3/4	
4	3,507.98	4	3,851.61	4	4,195.30	4	4,538.00	4	4,880.12	4		4		4		4		4	
1/4	3,515.14	1/4	3,858.77	1/4	4,202.46	1/4	4,545.13	1/4	4,887.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.29	1/2	3,865.93	1/2	4,209.62	1/2	4,552.26	1/2	4,894.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.45	3/4	3,873.09	3/4	4,216.78	3/4	4,559.38	3/4	4,901.43	3/4		3/4		3/4		3/4		3/4	
5	3,536.61	5	3,880.25	5	4,223.94	5	4,566.51	5	4,908.54	5		5		5		5		5	
1/4	3,543.77	1/4	3,887.41	1/4	4,231.10	1/4	4,573.64	1/4	4,915.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,550.93	1/2	3,894.57	1/2	4,238.26	1/2	4,580.77	1/2	4,922.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.08	3/4	3,901.73	3/4	4,245.42	3/4	4,587.89	3/4	4,929.79	3/4		3/4		3/4		3/4		3/4	
6	3,565.24	6	3,908.90	6	4,252.58	6	4,595.02	6	4,936.87	6		6		6		6		6	
1/4	3,572.40	1/4	3,916.06	1/4	4,259.74	1/4	4,602.15	1/4	4,943.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,579.56	1/2	3,923.22	1/2	4,266.91	1/2	4,609.28	1/2	4,951.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.72	3/4	3,930.38	3/4	4,274.07	3/4	4,616.40	3/4	4,958.11	3/4		3/4		3/4		3/4		3/4	
7	3,593.87	7	3,937.54	7	4,281.23	7	4,623.53	7	4,965.19	7		7		7		7		7	
1/4	3,601.03	1/4	3,944.70	1/4	4,288.39	1/4	4,630.66	1/4	4,972.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,608.19	1/2	3,951.86	1/2	4,295.55	1/2	4,637.79	1/2	4,979.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.35	3/4	3,959.02	3/4	4,302.71	3/4	4,644.91	3/4	4,986.42	3/4		3/4		3/4		3/4		3/4	
8	3,622.51	8	3,966.18	8	4,309.87	8	4,652.04	8	4,993.49	8		8		8		8		8	
1/4	3,629.66	1/4	3,973.34	1/4	4,317.01	1/4	4,659.17	1/4	5,000.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.82	1/2	3,980.50	1/2	4,324.15	1/2	4,666.30	1/2	5,007.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.98	3/4	3,987.66	3/4	4,331.29	3/4	4,673.42	3/4	5,014.61	3/4		3/4		3/4		3/4		3/4	
9	3,651.14	9	3,994.82	9	4,338.44	9	4,680.55	9	5,021.65	9		9		9		9		9	
1/4	3,658.30	1/4	4,001.98	1/4	4,345.56	1/4	4,687.68	1/4	5,028.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.46	1/2	4,009.14	1/2	4,352.69	1/2	4,694.81	1/2	5,034.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.61	3/4	4,016.30	3/4	4,359.82	3/4	4,701.93	3/4	5,041.46	3/4		3/4		3/4		3/4		3/4	
10	3,679.77	10	4,023.46	10	4,366.94	10	4,709.06	10	5,048.06	10		10		10		10		10	
1/4	3,686.93	1/4	4,030.62	1/4	4,374.07	1/4	4,716.19	1/4	5,053.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.09	1/2	4,037.78	1/2	4,381.20	1/2	4,723.31	1/2	5,059.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.25	3/4	4,044.94	3/4	4,388.33	3/4	4,730.44	3/4	5,064.83	3/4		3/4		3/4		3/4		3/4	
11	3,708.41	11	4,052.10	11	4,395.45	11	4,737.57	11	5,070.42	11		11		11		11		11	
1/4	3,715.57	1/4	4,059.26	1/4	4,402.58	1/4	4,744.70	1/4	5,074.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,722.73	1/2	4,066.42	1/2	4,409.71	1/2	4,751.82	1/2	5,079.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,729.89	3/4	4,073.58	3/4	4,416.84	3/4	4,758.95	3/4	5,083.61	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

3 PORT
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.88	0	641.97	0	976.20	0	1,311.64	0	1,653.55	0	1,995.46	0	2,337.37	0	2,679.25	0	3,021.28
1/4	3.94	1/4	307.02	1/4	649.09	1/4	983.01	1/4	1,318.76	1/4	1,660.67	1/4	2,002.58	1/4	2,344.49	1/4	2,686.37	1/4	3,028.40
1/2	5.72	1/2	314.15	1/2	656.22	1/2	989.82	1/2	1,325.88	1/2	1,667.79	1/2	2,009.70	1/2	2,351.61	1/2	2,693.49	1/2	3,035.53
3/4	7.50	3/4	321.29	3/4	663.34	3/4	996.64	3/4	1,333.01	3/4	1,674.92	3/4	2,016.83	3/4	2,358.73	3/4	2,700.61	3/4	3,042.66
1	9.29	1	328.42	1	670.47	1	1,003.45	1	1,340.13	1	1,682.04	1	2,023.95	1	2,365.86	1	2,707.74	1	3,049.78
1/4	12.85	1/4	335.56	1/4	677.59	1/4	1,010.27	1/4	1,347.25	1/4	1,689.16	1/4	2,031.07	1/4	2,372.98	1/4	2,714.86	1/4	3,056.90
1/2	16.42	1/2	342.70	1/2	684.71	1/2	1,017.08	1/2	1,354.38	1/2	1,696.29	1/2	2,038.19	1/2	2,380.10	1/2	2,721.98	1/2	3,064.02
3/4	19.99	3/4	349.83	3/4	691.84	3/4	1,023.89	3/4	1,361.50	3/4	1,703.41	3/4	2,045.32	3/4	2,387.23	3/4	2,729.10	3/4	3,071.14
2	23.56	2	356.97	2	698.96	2	1,030.71	2	1,368.62	2	1,710.53	2	2,052.44	2	2,394.35	2	2,736.22	2	3,078.25
1/4	28.91	1/4	364.10	1/4	706.09	1/4	1,037.52	1/4	1,375.75	1/4	1,717.66	1/4	2,059.56	1/4	2,401.47	1/4	2,743.35	1/4	3,085.37
1/2	34.26	1/2	371.23	1/2	713.21	1/2	1,044.33	1/2	1,382.87	1/2	1,724.78	1/2	2,066.69	1/2	2,408.60	1/2	2,750.47	1/2	3,092.49
3/4	39.61	3/4	378.36	3/4	720.34	3/4	1,051.15	3/4	1,389.99	3/4	1,731.90	3/4	2,073.81	3/4	2,415.72	3/4	2,757.59	3/4	3,099.61
3	44.96	3	385.49	3	727.46	3	1,057.96	3	1,397.12	3	1,739.02	3	2,080.93	3	2,422.84	3	2,764.71	3	3,106.73
1/4	51.63	1/4	392.61	1/4	734.59	1/4	1,064.78	1/4	1,404.24	1/4	1,746.15	1/4	2,088.06	1/4	2,429.97	1/4	2,771.84	1/4	3,113.84
1/2	58.31	1/2	399.74	1/2	741.71	1/2	1,071.59	1/2	1,411.36	1/2	1,753.27	1/2	2,095.18	1/2	2,437.09	1/2	2,778.96	1/2	3,120.95
3/4	64.98	3/4	406.86	3/4	748.83	3/4	1,078.41	3/4	1,418.49	3/4	1,760.39	3/4	2,102.30	3/4	2,444.21	3/4	2,786.08	3/4	3,128.06
4	71.65	4	413.99	4	755.96	4	1,085.23	4	1,425.61	4	1,767.52	4	2,109.43	4	2,451.33	4	2,793.20	4	3,135.17
1/4	78.76	1/4	421.11	1/4	763.08	1/4	1,092.09	1/4	1,432.73	1/4	1,774.64	1/4	2,116.55	1/4	2,458.46	1/4	2,800.32	1/4	3,142.27
1/2	85.87	1/2	428.24	1/2	770.21	1/2	1,098.94	1/2	1,439.85	1/2	1,781.76	1/2	2,123.67	1/2	2,465.58	1/2	2,807.45	1/2	3,149.37
3/4	92.99	3/4	435.36	3/4	777.33	3/4	1,105.80	3/4	1,446.98	3/4	1,788.89	3/4	2,130.80	3/4	2,472.70	3/4	2,814.57	3/4	3,156.47
5	100.10	5	442.48	5	784.46	5	1,112.65	5	1,454.10	5	1,796.01	5	2,137.92	5	2,479.83	5	2,821.69	5	3,163.57
1/4	107.23	1/4	449.61	1/4	791.46	1/4	1,119.66	1/4	1,461.22	1/4	1,803.13	1/4	2,145.04	1/4	2,486.95	1/4	2,828.81	1/4	3,170.67
1/2	114.36	1/2	456.73	1/2	798.47	1/2	1,126.67	1/2	1,468.35	1/2	1,810.26	1/2	2,152.16	1/2	2,494.07	1/2	2,835.94	1/2	3,177.77
3/4	121.49	3/4	463.86	3/4	805.48	3/4	1,133.68	3/4	1,475.47	3/4	1,817.38	3/4	2,159.29	3/4	2,501.19	3/4	2,843.06	3/4	3,184.87
6	128.62	6	470.98	6	812.49	6	1,140.68	6	1,482.59	6	1,824.50	6	2,166.41	6	2,508.31	6	2,850.18	6	3,191.97
1/4	135.75	1/4	478.11	1/4	819.35	1/4	1,147.81	1/4	1,489.72	1/4	1,831.63	1/4	2,173.53	1/4	2,515.44	1/4	2,857.30	1/4	3,199.07
1/2	142.89	1/2	485.23	1/2	826.20	1/2	1,154.93	1/2	1,496.84	1/2	1,838.75	1/2	2,180.66	1/2	2,522.56	1/2	2,864.42	1/2	3,206.17
3/4	150.02	3/4	492.36	3/4	833.06	3/4	1,162.05	3/4	1,503.96	3/4	1,845.87	3/4	2,187.78	3/4	2,529.68	3/4	2,871.55	3/4	3,213.27
7	157.16	7	499.48	7	839.92	7	1,169.18	7	1,511.09	7	1,852.99	7	2,194.90	7	2,536.80	7	2,878.67	7	3,220.37
1/4	164.30	1/4	506.60	1/4	846.73	1/4	1,176.30	1/4	1,518.21	1/4	1,860.12	1/4	2,202.03	1/4	2,543.92	1/4	2,885.79	1/4	3,227.48
1/2	171.43	1/2	513.73	1/2	853.55	1/2	1,183.42	1/2	1,525.33	1/2	1,867.24	1/2	2,209.15	1/2	2,551.05	1/2	2,892.91	1/2	3,234.58
3/4	178.57	3/4	520.85	3/4	860.37	3/4	1,190.55	3/4	1,532.45	3/4	1,874.36	3/4	2,216.27	3/4	2,558.17	3/4	2,900.03	3/4	3,241.68
8	185.70	8	527.98	8	867.19	8	1,197.67	8	1,539.58	8	1,881.49	8	2,223.40	8	2,565.29	8	2,907.16	8	3,248.78
1/4	192.84	1/4	535.10	1/4	874.00	1/4	1,204.79	1/4	1,546.70	1/4	1,888.61	1/4	2,230.52	1/4	2,572.41	1/4	2,914.29	1/4	3,255.88
1/2	199.98	1/2	542.23	1/2	880.81	1/2	1,211.92	1/2	1,553.82	1/2	1,895.73	1/2	2,237.64	1/2	2,579.54	1/2	2,921.41	1/2	3,262.98
3/4	207.11	3/4	549.35	3/4	887.63	3/4	1,219.04	3/4	1,560.95	3/4	1,902.86	3/4	2,244.76	3/4	2,586.66	3/4	2,928.54	3/4	3,270.08
9	214.25	9	556.48	9	894.44	9	1,226.16	9	1,568.07	9	1,909.98	9	2,251.89	9	2,593.78	9	2,935.67	9	3,277.18
1/4	221.38	1/4	563.60	1/4	901.25	1/4	1,233.28	1/4	1,575.19	1/4	1,917.10	1/4	2,259.01	1/4	2,600.90	1/4	2,942.80	1/4	3,284.29
1/2	228.52	1/2	570.72	1/2	908.06	1/2	1,240.41	1/2	1,582.32	1/2	1,924.23	1/2	2,266.13	1/2	2,608.02	1/2	2,949.94	1/2	3,291.39
3/4	235.66	3/4	577.85	3/4	914.88	3/4	1,247.53	3/4	1,589.44	3/4	1,931.35	3/4	2,273.26	3/4	2,615.15	3/4	2,957.07	3/4	3,298.49
10	242.79	10	584.97	10	921.69	10	1,254.65	10	1,596.56	10	1,938.47	10	2,280.38	10	2,622.27	10	2,964.21	10	3,305.59
1/4	249.93	1/4	592.10	1/4	928.50	1/4	1,261.78	1/4	1,603.69	1/4	1,945.59	1/4	2,287.50	1/4	2,629.39	1/4	2,971.34	1/4	3,312.69
1/2	257.06	1/2	599.22	1/2	935.32	1/2	1,268.90	1/2	1,610.81	1/2	1,952.72	1/2	2,294.63	1/2	2,636.51	1/2	2,978.47	1/2	3,319.80
3/4	264.20	3/4	606.35	3/4	942.13	3/4	1,276.02	3/4	1,617.93	3/4	1,959.84	3/4	2,301.75	3/4	2,643.64	3/4	2,985.61	3/4	3,326.90
11	271.34	11	613.47	11	948.94	11	1,283.15	11	1,625.06	11	1,966.96	11	2,308.87	11	2,650.76	11	2,992.74	11	3,334.00
1/4	278.47	1/4	620.59	1/4	955.76	1/4	1,290.27	1/4	1,632.18	1/4	1,974.09	1/4	2,316.00	1/4	2,657.88	1/4	2,999.88	1/4	3,339.72
1/2	285.61	1/2	627.72	1/2	962.57	1/2	1,297.39	1/2	1,639.30	1/2	1,981.21	1/2	2,323.12	1/2	2,665.00	1/2	3,007.01	1/2	3,345.44
3/4	292.74	3/4	634.84	3/4	969.38	3/4	1,304.52	3/4	1,646.42	3/4	1,988.33	3/4	2,330.24	3/4	2,672.12	3/4	3,014.14	3/4	3,351.16

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 PORT INNAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,356.88	0	3,566.04	0	3,775.96	0	3,985.61	0	4,194.62	0	4,385.32	0		0		0		0	
1/4	3,361.22	1/4	3,570.41	1/4	3,780.33	1/4	3,989.97	1/4	4,198.97	1/4	4,387.03	1/4		1/4		1/4		1/4	
1/2	3,365.56	1/2	3,574.78	1/2	3,784.71	1/2	3,994.32	1/2	4,203.33	1/2	4,388.74	1/2		1/2		1/2		1/2	
3/4	3,369.90	3/4	3,579.16	3/4	3,789.08	3/4	3,998.68	3/4	4,207.68	3/4	4,390.45	3/4		3/4		3/4		3/4	
1	3,374.24	1	3,583.53	1	3,793.45	1	4,003.03	1	4,212.04	1	4,392.16	1		1		1		1	
1/4	3,378.59	1/4	3,587.90	1/4	3,797.83	1/4	4,007.38	1/4	4,216.39	1/4	4,393.87	1/4		1/4		1/4		1/4	
1/2	3,382.94	1/2	3,592.28	1/2	3,802.20	1/2	4,011.74	1/2	4,220.75	1/2	4,395.57	1/2		1/2		1/2		1/2	
3/4	3,387.29	3/4	3,596.65	3/4	3,806.57	3/4	4,016.09	3/4	4,225.10	3/4	4,397.28	3/4		3/4		3/4		3/4	
2	3,391.64	2	3,601.02	2	3,810.95	2	4,020.45	2	4,229.45	2	4,398.99	2		2		2		2	
1/4	3,395.99	1/4	3,605.40	1/4	3,815.32	1/4	4,024.80	1/4	4,233.81	1/4	4,400.07	1/4		1/4		1/4		1/4	
1/2	3,400.35	1/2	3,609.77	1/2	3,819.69	1/2	4,029.16	1/2	4,238.16	1/2	4,401.15	1/2		1/2		1/2		1/2	
3/4	3,404.71	3/4	3,614.14	3/4	3,824.07	3/4	4,033.51	3/4	4,242.52	3/4	4,402.22	3/4		3/4		3/4		3/4	
3	3,409.07	3	3,618.52	3	3,828.44	3	4,037.87	3	4,246.87	3	4,403.30	3		3		3		3	
1/4	3,413.42	1/4	3,622.89	1/4	3,832.81	1/4	4,042.22	1/4	4,251.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,417.78	1/2	3,627.26	1/2	3,837.19	1/2	4,046.57	1/2	4,255.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,422.14	3/4	3,631.64	3/4	3,841.56	3/4	4,050.93	3/4	4,259.93	3/4		3/4		3/4		3/4		3/4	
4	3,426.50	4	3,636.01	4	3,845.93	4	4,055.28	4	4,264.29	4		4		4		4		4	
1/4	3,430.85	1/4	3,640.38	1/4	3,850.31	1/4	4,059.64	1/4	4,268.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,435.21	1/2	3,644.76	1/2	3,854.68	1/2	4,063.99	1/2	4,272.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,439.57	3/4	3,649.13	3/4	3,859.05	3/4	4,068.35	3/4	4,277.31	3/4		3/4		3/4		3/4		3/4	
5	3,443.93	5	3,653.50	5	3,863.43	5	4,072.70	5	4,281.65	5		5		5		5		5	
1/4	3,448.29	1/4	3,657.88	1/4	3,867.80	1/4	4,077.05	1/4	4,285.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,452.64	1/2	3,662.25	1/2	3,872.17	1/2	4,081.41	1/2	4,290.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,457.00	3/4	3,666.62	3/4	3,876.55	3/4	4,085.76	3/4	4,294.63	3/4		3/4		3/4		3/4		3/4	
6	3,461.36	6	3,671.00	6	3,880.92	6	4,090.12	6	4,298.96	6		6		6		6		6	
1/4	3,465.72	1/4	3,675.37	1/4	3,885.29	1/4	4,094.47	1/4	4,303.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,470.07	1/2	3,679.74	1/2	3,889.67	1/2	4,098.83	1/2	4,307.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,474.43	3/4	3,684.12	3/4	3,894.04	3/4	4,103.18	3/4	4,311.93	3/4		3/4		3/4		3/4		3/4	
7	3,478.79	7	3,688.49	7	3,898.41	7	4,107.53	7	4,316.26	7		7		7		7		7	
1/4	3,483.15	1/4	3,692.86	1/4	3,902.79	1/4	4,111.89	1/4	4,320.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.50	1/2	3,697.24	1/2	3,907.16	1/2	4,116.24	1/2	4,324.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,491.86	3/4	3,701.61	3/4	3,911.53	3/4	4,120.60	3/4	4,329.21	3/4		3/4		3/4		3/4		3/4	
8	3,496.22	8	3,705.98	8	3,915.91	8	4,124.95	8	4,333.53	8		8		8		8		8	
1/4	3,500.58	1/4	3,710.36	1/4	3,920.27	1/4	4,129.31	1/4	4,337.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,504.93	1/2	3,714.73	1/2	3,924.63	1/2	4,133.66	1/2	4,342.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,509.29	3/4	3,719.10	3/4	3,929.00	3/4	4,138.01	3/4	4,346.38	3/4		3/4		3/4		3/4		3/4	
9	3,513.65	9	3,723.48	9	3,933.36	9	4,142.37	9	4,350.67	9		9		9		9		9	
1/4	3,518.01	1/4	3,727.85	1/4	3,937.72	1/4	4,146.72	1/4	4,354.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.36	1/2	3,732.23	1/2	3,942.07	1/2	4,151.08	1/2	4,358.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.72	3/4	3,736.60	3/4	3,946.42	3/4	4,155.43	3/4	4,362.21	3/4		3/4		3/4		3/4		3/4	
10	3,531.08	10	3,740.97	10	3,950.78	10	4,159.79	10	4,366.06	10		10		10		10		10	
1/4	3,535.45	1/4	3,745.35	1/4	3,955.13	1/4	4,164.14	1/4	4,368.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,539.81	1/2	3,749.72	1/2	3,959.49	1/2	4,168.49	1/2	4,371.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,544.18	3/4	3,754.09	3/4	3,963.84	3/4	4,172.85	3/4	4,374.58	3/4		3/4		3/4		3/4		3/4	
11	3,548.54	11	3,758.47	11	3,968.20	11	4,177.20	11	4,377.42	11		11		11		11		11	
1/4	3,552.92	1/4	3,762.84	1/4	3,972.55	1/4	4,181.56	1/4	4,379.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.29	1/2	3,767.21	1/2	3,976.90	1/2	4,185.91	1/2	4,381.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.66	3/4	3,771.59	3/4	3,981.26	3/4	4,190.27	3/4	4,383.35	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

3 STBD
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.92	0	642.49	0	984.78	0	1,327.15	0	1,669.73	0	2,012.31	0	2,354.89	0	2,697.31	0	3,039.01
1/4	3.93	1/4	307.05	1/4	649.63	1/4	991.91	1/4	1,334.28	1/4	1,676.86	1/4	2,019.45	1/4	2,362.03	1/4	2,704.43	1/4	3,046.13
1/2	5.72	1/2	314.19	1/2	656.76	1/2	999.03	1/2	1,341.42	1/2	1,684.00	1/2	2,026.58	1/2	2,369.16	1/2	2,711.54	1/2	3,053.25
3/4	7.50	3/4	321.33	3/4	663.90	3/4	1,006.15	3/4	1,348.56	3/4	1,691.14	3/4	2,033.72	3/4	2,376.30	3/4	2,718.66	3/4	3,060.37
1	9.29	1	328.46	1	671.04	1	1,013.28	1	1,355.69	1	1,698.28	1	2,040.86	1	2,383.44	1	2,725.78	1	3,067.49
1/4	12.86	1/4	335.60	1/4	678.17	1/4	1,020.40	1/4	1,362.83	1/4	1,705.41	1/4	2,047.99	1/4	2,390.57	1/4	2,732.90	1/4	3,074.61
1/2	16.42	1/2	342.74	1/2	685.31	1/2	1,027.52	1/2	1,369.97	1/2	1,712.55	1/2	2,055.13	1/2	2,397.71	1/2	2,740.02	1/2	3,081.73
3/4	19.99	3/4	349.88	3/4	692.45	3/4	1,034.65	3/4	1,377.11	3/4	1,719.69	3/4	2,062.27	3/4	2,404.85	3/4	2,747.14	3/4	3,088.85
2	23.56	2	357.01	2	699.58	2	1,041.77	2	1,384.24	2	1,726.82	2	2,069.40	2	2,411.99	2	2,754.26	2	3,095.96
1/4	28.91	1/4	364.15	1/4	706.72	1/4	1,048.89	1/4	1,391.38	1/4	1,733.96	1/4	2,076.54	1/4	2,419.12	1/4	2,761.38	1/4	3,103.08
1/2	34.26	1/2	371.29	1/2	713.86	1/2	1,056.02	1/2	1,398.52	1/2	1,741.10	1/2	2,083.68	1/2	2,426.26	1/2	2,768.50	1/2	3,110.20
3/4	39.62	3/4	378.42	3/4	720.99	3/4	1,063.14	3/4	1,405.65	3/4	1,748.24	3/4	2,090.82	3/4	2,433.40	3/4	2,775.61	3/4	3,117.32
3	44.97	3	385.56	3	728.13	3	1,070.26	3	1,412.79	3	1,755.37	3	2,097.95	3	2,440.53	3	2,782.73	3	3,124.44
1/4	51.64	1/4	392.70	1/4	735.27	1/4	1,077.39	1/4	1,419.93	1/4	1,762.51	1/4	2,105.09	1/4	2,447.67	1/4	2,789.85	1/4	3,131.55
1/2	58.31	1/2	399.83	1/2	742.40	1/2	1,084.52	1/2	1,427.07	1/2	1,769.65	1/2	2,112.23	1/2	2,454.81	1/2	2,796.97	1/2	3,138.66
3/4	64.98	3/4	406.97	3/4	749.54	3/4	1,091.64	3/4	1,434.20	3/4	1,776.78	3/4	2,119.36	3/4	2,461.95	3/4	2,804.09	3/4	3,145.77
4	71.66	4	414.11	4	756.68	4	1,098.77	4	1,441.34	4	1,783.92	4	2,126.50	4	2,469.08	4	2,811.21	4	3,152.88
1/4	78.77	1/4	421.24	1/4	763.82	1/4	1,105.91	1/4	1,448.48	1/4	1,791.06	1/4	2,133.64	1/4	2,476.22	1/4	2,818.33	1/4	3,159.98
1/2	85.88	1/2	428.38	1/2	770.95	1/2	1,113.04	1/2	1,455.61	1/2	1,798.20	1/2	2,140.78	1/2	2,483.36	1/2	2,825.45	1/2	3,167.08
3/4	93.00	3/4	435.52	3/4	778.09	3/4	1,120.17	3/4	1,462.75	3/4	1,805.33	3/4	2,147.91	3/4	2,490.49	3/4	2,832.57	3/4	3,174.19
5	100.11	5	442.65	5	785.23	5	1,127.31	5	1,469.89	5	1,812.47	5	2,155.05	5	2,497.63	5	2,839.68	5	3,181.29
1/4	107.24	1/4	449.79	1/4	792.36	1/4	1,134.44	1/4	1,477.03	1/4	1,819.61	1/4	2,162.19	1/4	2,504.77	1/4	2,846.80	1/4	3,188.39
1/2	114.37	1/2	456.93	1/2	799.50	1/2	1,141.58	1/2	1,484.16	1/2	1,826.74	1/2	2,169.32	1/2	2,511.91	1/2	2,853.92	1/2	3,195.49
3/4	121.50	3/4	464.07	3/4	806.64	3/4	1,148.72	3/4	1,491.30	3/4	1,833.88	3/4	2,176.46	3/4	2,519.05	3/4	2,861.04	3/4	3,202.59
6	128.63	6	471.20	6	813.77	6	1,155.86	6	1,498.44	6	1,841.02	6	2,183.60	6	2,526.19	6	2,868.16	6	3,209.69
1/4	135.77	1/4	478.34	1/4	820.91	1/4	1,162.99	1/4	1,505.57	1/4	1,848.15	1/4	2,190.74	1/4	2,533.32	1/4	2,875.28	1/4	3,216.80
1/2	142.91	1/2	485.48	1/2	828.04	1/2	1,170.13	1/2	1,512.71	1/2	1,855.29	1/2	2,197.87	1/2	2,540.46	1/2	2,882.40	1/2	3,223.90
3/4	150.04	3/4	492.61	3/4	835.18	3/4	1,177.27	3/4	1,519.85	3/4	1,862.43	3/4	2,205.01	3/4	2,547.60	3/4	2,889.52	3/4	3,231.00
7	157.18	7	499.75	7	842.31	7	1,184.40	7	1,526.99	7	1,869.57	7	2,212.15	7	2,554.74	7	2,896.64	7	3,238.10
1/4	164.32	1/4	506.89	1/4	849.44	1/4	1,191.54	1/4	1,534.12	1/4	1,876.70	1/4	2,219.28	1/4	2,561.88	1/4	2,903.75	1/4	3,245.20
1/2	171.45	1/2	514.02	1/2	856.56	1/2	1,198.68	1/2	1,541.26	1/2	1,883.84	1/2	2,226.42	1/2	2,569.01	1/2	2,910.87	1/2	3,252.30
3/4	178.59	3/4	521.16	3/4	863.69	3/4	1,205.82	3/4	1,548.40	3/4	1,890.98	3/4	2,233.56	3/4	2,576.15	3/4	2,917.99	3/4	3,259.40
8	185.73	8	528.30	8	870.82	8	1,212.95	8	1,555.53	8	1,898.11	8	2,240.70	8	2,583.29	8	2,925.11	8	3,266.51
1/4	192.86	1/4	535.43	1/4	877.94	1/4	1,220.09	1/4	1,562.67	1/4	1,905.25	1/4	2,247.83	1/4	2,590.43	1/4	2,932.23	1/4	3,273.61
1/2	200.00	1/2	542.57	1/2	885.06	1/2	1,227.23	1/2	1,569.81	1/2	1,912.39	1/2	2,254.97	1/2	2,597.57	1/2	2,939.35	1/2	3,280.71
3/4	207.14	3/4	549.71	3/4	892.19	3/4	1,234.36	3/4	1,576.94	3/4	1,919.53	3/4	2,262.11	3/4	2,604.70	3/4	2,946.47	3/4	3,287.81
9	214.27	9	556.85	9	899.31	9	1,241.50	9	1,584.08	9	1,926.66	9	2,269.24	9	2,611.84	9	2,953.59	9	3,294.91
1/4	221.41	1/4	563.98	1/4	906.43	1/4	1,248.64	1/4	1,591.22	1/4	1,933.80	1/4	2,276.38	1/4	2,618.97	1/4	2,960.71	1/4	3,302.01
1/2	228.55	1/2	571.12	1/2	913.56	1/2	1,255.78	1/2	1,598.36	1/2	1,940.94	1/2	2,283.52	1/2	2,626.10	1/2	2,967.82	1/2	3,309.12
3/4	235.68	3/4	578.26	3/4	920.68	3/4	1,262.91	3/4	1,605.49	3/4	1,948.07	3/4	2,290.65	3/4	2,633.23	3/4	2,974.94	3/4	3,316.22
10	242.82	10	585.39	10	927.80	10	1,270.05	10	1,612.63	10	1,955.21	10	2,297.79	10	2,640.36	10	2,982.06	10	3,323.32
1/4	249.96	1/4	592.53	1/4	934.92	1/4	1,277.19	1/4	1,619.77	1/4	1,962.35	1/4	2,304.93	1/4	2,647.47	1/4	2,989.18	1/4	3,330.42
1/2	257.10	1/2	599.67	1/2	942.05	1/2	1,284.32	1/2	1,626.90	1/2	1,969.49	1/2	2,312.07	1/2	2,654.59	1/2	2,996.30	1/2	3,337.52
3/4	264.23	3/4	606.80	3/4	949.17	3/4	1,291.46	3/4	1,634.04	3/4	1,976.62	3/4	2,319.20	3/4	2,661.71	3/4	3,003.42	3/4	3,344.62
11	271.37	11	613.94	11	956.29	11	1,298.60	11	1,641.18	11	1,983.76	11	2,326.34	11	2,668.83	11	3,010.54	11	3,351.73
1/4	278.51	1/4	621.08	1/4	963.42	1/4	1,305.74	1/4	1,648.32	1/4	1,990.90	1/4	2,333.48	1/4	2,675.95	1/4	3,017.66	1/4	3,357.45
1/2	285.64	1/2	628.21	1/2	970.54	1/2	1,312.87	1/2	1,655.45	1/2	1,998.03	1/2	2,340.61	1/2	2,683.07	1/2	3,024.78	1/2	3,363.17
3/4	292.78	3/4	635.35	3/4	977.66	3/4	1,320.01	3/4	1,662.59	3/4	2,005.17	3/4	2,347.75	3/4	2,690.19	3/4	3,031.89	3/4	3,368.89

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

3 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,374.61	0	3,584.50	0	3,794.60	0	4,004.43	0	4,213.62	0	4,404.49	0		0		0		0	
1/4	3,378.95	1/4	3,588.88	1/4	3,798.98	1/4	4,008.79	1/4	4,217.97	1/4	4,406.20	1/4		1/4		1/4		1/4	
1/2	3,383.29	1/2	3,593.25	1/2	3,803.35	1/2	4,013.15	1/2	4,222.33	1/2	4,407.91	1/2		1/2		1/2		1/2	
3/4	3,387.64	3/4	3,597.63	3/4	3,807.73	3/4	4,017.51	3/4	4,226.69	3/4	4,409.62	3/4		3/4		3/4		3/4	
1	3,391.98	1	3,602.01	1	3,812.11	1	4,021.86	1	4,231.05	1	4,411.33	1		1		1		1	
1/4	3,396.34	1/4	3,606.38	1/4	3,816.48	1/4	4,026.22	1/4	4,235.41	1/4	4,413.04	1/4		1/4		1/4		1/4	
1/2	3,400.70	1/2	3,610.76	1/2	3,820.86	1/2	4,030.58	1/2	4,239.76	1/2	4,414.75	1/2		1/2		1/2		1/2	
3/4	3,405.05	3/4	3,615.14	3/4	3,825.24	3/4	4,034.94	3/4	4,244.12	3/4	4,416.46	3/4		3/4		3/4		3/4	
2	3,409.41	2	3,619.51	2	3,829.62	2	4,039.30	2	4,248.48	2	4,418.17	2		2		2		2	
1/4	3,413.79	1/4	3,623.89	1/4	3,833.99	1/4	4,043.65	1/4	4,252.84	1/4	4,419.25	1/4		1/4		1/4		1/4	
1/2	3,418.17	1/2	3,628.27	1/2	3,838.37	1/2	4,048.01	1/2	4,257.20	1/2	4,420.33	1/2		1/2		1/2		1/2	
3/4	3,422.55	3/4	3,632.65	3/4	3,842.75	3/4	4,052.37	3/4	4,261.55	3/4	4,421.41	3/4		3/4		3/4		3/4	
3	3,426.92	3	3,637.02	3	3,847.12	3	4,056.73	3	4,265.91	3	4,422.48	3		3		3		3	
1/4	3,431.30	1/4	3,641.40	1/4	3,851.50	1/4	4,061.09	1/4	4,270.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,435.68	1/2	3,645.78	1/2	3,855.88	1/2	4,065.44	1/2	4,274.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.05	3/4	3,650.15	3/4	3,860.26	3/4	4,069.80	3/4	4,278.99	3/4		3/4		3/4		3/4		3/4	
4	3,444.43	4	3,654.53	4	3,864.63	4	4,074.16	4	4,283.34	4		4		4		4		4	
1/4	3,448.81	1/4	3,658.91	1/4	3,869.01	1/4	4,078.52	1/4	4,287.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.19	1/2	3,663.29	1/2	3,873.39	1/2	4,082.88	1/2	4,292.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,457.56	3/4	3,667.66	3/4	3,877.76	3/4	4,087.23	3/4	4,296.38	3/4		3/4		3/4		3/4		3/4	
5	3,461.94	5	3,672.04	5	3,882.14	5	4,091.59	5	4,300.72	5		5		5		5		5	
1/4	3,466.32	1/4	3,676.42	1/4	3,886.52	1/4	4,095.95	1/4	4,305.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,470.69	1/2	3,680.79	1/2	3,890.90	1/2	4,100.31	1/2	4,309.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.07	3/4	3,685.17	3/4	3,895.27	3/4	4,104.67	3/4	4,313.71	3/4		3/4		3/4		3/4		3/4	
6	3,479.45	6	3,689.55	6	3,899.65	6	4,109.02	6	4,318.04	6		6		6		6		6	
1/4	3,483.82	1/4	3,693.93	1/4	3,904.03	1/4	4,113.38	1/4	4,322.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.20	1/2	3,698.30	1/2	3,908.40	1/2	4,117.74	1/2	4,326.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.58	3/4	3,702.68	3/4	3,912.78	3/4	4,122.10	3/4	4,331.03	3/4		3/4		3/4		3/4		3/4	
7	3,496.96	7	3,707.06	7	3,917.16	7	4,126.46	7	4,335.36	7		7		7		7		7	
1/4	3,501.33	1/4	3,711.43	1/4	3,921.53	1/4	4,130.81	1/4	4,339.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,505.71	1/2	3,715.81	1/2	3,925.91	1/2	4,135.17	1/2	4,344.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.09	3/4	3,720.19	3/4	3,930.29	3/4	4,139.53	3/4	4,348.32	3/4		3/4		3/4		3/4		3/4	
8	3,514.46	8	3,724.57	8	3,934.67	8	4,143.89	8	4,352.65	8		8		8		8		8	
1/4	3,518.84	1/4	3,728.94	1/4	3,939.03	1/4	4,148.25	1/4	4,356.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,523.22	1/2	3,733.32	1/2	3,943.40	1/2	4,152.60	1/2	4,361.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.60	3/4	3,737.70	3/4	3,947.77	3/4	4,156.96	3/4	4,365.51	3/4		3/4		3/4		3/4		3/4	
9	3,531.97	9	3,742.07	9	3,952.14	9	4,161.32	9	4,369.80	9		9		9		9		9	
1/4	3,536.35	1/4	3,746.45	1/4	3,956.49	1/4	4,165.68	1/4	4,373.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.73	1/2	3,750.83	1/2	3,960.85	1/2	4,170.04	1/2	4,377.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.10	3/4	3,755.20	3/4	3,965.21	3/4	4,174.39	3/4	4,381.35	3/4		3/4		3/4		3/4		3/4	
10	3,549.48	10	3,759.58	10	3,969.57	10	4,178.75	10	4,385.20	10		10		10		10		10	
1/4	3,553.86	1/4	3,763.96	1/4	3,973.93	1/4	4,183.11	1/4	4,388.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.24	1/2	3,768.34	1/2	3,978.28	1/2	4,187.47	1/2	4,390.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.61	3/4	3,772.71	3/4	3,982.64	3/4	4,191.83	3/4	4,393.73	3/4		3/4		3/4		3/4		3/4	
11	3,566.99	11	3,777.09	11	3,987.00	11	4,196.18	11	4,396.58	11		11		11		11		11	
1/4	3,571.37	1/4	3,781.47	1/4	3,991.36	1/4	4,200.54	1/4	4,398.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.74	1/2	3,785.84	1/2	3,995.72	1/2	4,204.90	1/2	4,400.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.12	3/4	3,790.22	3/4	4,000.07	3/4	4,209.26	3/4	4,402.51	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

ULLAGE (10" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 6'-00"
DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 12, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
P.O. Box 2092
Pearland, Texas 77588

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BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

1 PORT
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,023.00	0	4,744.78	0	4,404.32	0	4,063.04	0	3,721.01	0	3,379.05	0	3,037.12
1/4		1/4		1/4		1/4	5,022.08	1/4	4,737.69	1/4	4,397.22	1/4	4,055.92	1/4	3,713.89	1/4	3,371.93	1/4	3,030.00
1/2		1/2		1/2		1/2	5,020.08	1/2	4,730.60	1/2	4,390.13	1/2	4,048.79	1/2	3,706.76	1/2	3,364.81	1/2	3,022.87
3/4		3/4		3/4		3/4	5,018.07	3/4	4,723.50	3/4	4,383.04	3/4	4,041.67	3/4	3,699.64	3/4	3,357.68	3/4	3,015.75
1		1		1		1	5,016.07	1	4,716.41	1	4,375.95	1	4,034.54	1	3,692.51	1	3,350.56	1	3,008.63
1/4		1/4		1/4		1/4	5,014.07	1/4	4,709.32	1/4	4,368.85	1/4	4,027.41	1/4	3,685.39	1/4	3,343.44	1/4	3,001.50
1/2		1/2		1/2		1/2	5,010.89	1/2	4,702.22	1/2	4,361.76	1/2	4,020.29	1/2	3,678.26	1/2	3,336.31	1/2	2,994.38
3/4		3/4		3/4		3/4	5,007.70	3/4	4,695.13	3/4	4,354.67	3/4	4,013.16	3/4	3,671.13	3/4	3,329.19	3/4	2,987.25
2		2		2		2	5,004.51	2	4,688.04	2	4,347.57	2	4,006.04	2	3,664.01	2	3,322.07	2	2,980.13
1/4		1/4		1/4		1/4	5,001.32	1/4	4,680.94	1/4	4,340.48	1/4	3,998.91	1/4	3,656.88	1/4	3,314.94	1/4	2,973.00
1/2		1/2		1/2		1/2	4,996.94	1/2	4,673.85	1/2	4,333.39	1/2	3,991.79	1/2	3,649.76	1/2	3,307.82	1/2	2,965.88
3/4		3/4		3/4		3/4	4,992.57	3/4	4,666.76	3/4	4,326.29	3/4	3,984.66	3/4	3,642.63	3/4	3,300.70	3/4	2,958.75
3		3		3		3	4,988.19	3	4,659.67	3	4,319.20	3	3,977.54	3	3,635.51	3	3,293.57	3	2,951.63
1/4		1/4		1/4		1/4	4,983.82	1/4	4,652.57	1/4	4,312.11	1/4	3,970.41	1/4	3,628.38	1/4	3,286.45	1/4	2,944.50
1/2		1/2		1/2		1/2	4,978.25	1/2	4,645.48	1/2	4,305.02	1/2	3,963.28	1/2	3,621.26	1/2	3,279.32	1/2	2,937.38
3/4		3/4		3/4		3/4	4,972.69	3/4	4,638.39	3/4	4,297.92	3/4	3,956.16	3/4	3,614.13	3/4	3,272.20	3/4	2,930.25
4		4		4		4	4,967.13	4	4,631.29	4	4,290.83	4	3,949.03	4	3,607.01	4	3,265.08	4	2,923.13
1/4		1/4		1/4		1/4	4,961.56	1/4	4,624.20	1/4	4,283.74	1/4	3,941.91	1/4	3,599.89	1/4	3,257.95	1/4	2,916.00
1/2		1/2		1/2		1/2	4,954.99	1/2	4,617.11	1/2	4,276.64	1/2	3,934.78	1/2	3,592.76	1/2	3,250.83	1/2	2,908.87
3/4		3/4		3/4		3/4	4,948.43	3/4	4,610.01	3/4	4,269.55	3/4	3,927.66	3/4	3,585.64	3/4	3,243.71	3/4	2,901.75
5		5		5		5	4,941.86	5	4,602.92	5	4,262.46	5	3,920.53	5	3,578.52	5	3,236.58	5	2,894.62
1/4		1/4		1/4		1/4	4,935.29	1/4	4,595.83	1/4	4,255.36	1/4	3,913.41	1/4	3,571.39	1/4	3,229.46	1/4	2,887.50
1/2		1/2		1/2		1/2	4,928.28	1/2	4,588.74	1/2	4,248.26	1/2	3,906.28	1/2	3,564.27	1/2	3,222.34	1/2	2,880.37
3/4		3/4		3/4		3/4	4,921.27	3/4	4,581.64	3/4	4,241.15	3/4	3,899.15	3/4	3,557.14	3/4	3,215.21	3/4	2,873.25
6		6		6		6	4,914.27	6	4,574.55	6	4,234.04	6	3,892.03	6	3,550.02	6	3,208.09	6	2,866.12
1/4		1/4		1/4		1/4	4,907.26	1/4	4,567.46	1/4	4,226.93	1/4	3,884.90	1/4	3,542.90	1/4	3,200.96	1/4	2,859.00
1/2		1/2		1/2		1/2	4,900.22	1/2	4,560.36	1/2	4,219.81	1/2	3,877.78	1/2	3,535.77	1/2	3,193.84	1/2	2,851.87
3/4		3/4		3/4		3/4	4,893.18	3/4	4,553.27	3/4	4,212.68	3/4	3,870.65	3/4	3,528.65	3/4	3,186.72	3/4	2,844.74
7		7		7		7	4,886.14	7	4,546.18	7	4,205.55	7	3,863.53	7	3,521.53	7	3,179.59	7	2,837.62
1/4		1/4		1/4		1/4	4,879.10	1/4	4,539.08	1/4	4,198.43	1/4	3,856.40	1/4	3,514.40	1/4	3,172.47	1/4	2,830.49
1/2		1/2		1/2		1/2	4,872.05	1/2	4,531.99	1/2	4,191.30	1/2	3,849.27	1/2	3,507.28	1/2	3,165.35	1/2	2,823.37
3/4		3/4		3/4		3/4	4,865.00	3/4	4,524.90	3/4	4,184.18	3/4	3,842.15	3/4	3,500.16	3/4	3,158.22	3/4	2,816.24
8		8		8		8	4,857.95	8	4,517.81	8	4,177.05	8	3,835.02	8	3,493.03	8	3,151.10	8	2,809.12
1/4		1/4		1/4		1/4	4,850.91	1/4	4,510.71	1/4	4,169.93	1/4	3,827.90	1/4	3,485.91	1/4	3,143.98	1/4	2,801.99
1/2		1/2		1/2		1/2	4,843.86	1/2	4,503.62	1/2	4,162.80	1/2	3,820.77	1/2	3,478.79	1/2	3,136.85	1/2	2,794.87
3/4		3/4		3/4		3/4	4,836.81	3/4	4,496.53	3/4	4,155.68	3/4	3,813.65	3/4	3,471.66	3/4	3,129.73	3/4	2,787.74
9		9		9		9	4,829.76	9	4,489.43	9	4,148.55	9	3,806.52	9	3,464.54	9	3,122.61	9	2,780.62
1/4		1/4		1/4		1/4	4,822.71	1/4	4,482.34	1/4	4,141.42	1/4	3,799.40	1/4	3,457.41	1/4	3,115.48	1/4	2,773.49
1/2		1/2		1/2		1/2	4,815.64	1/2	4,475.25	1/2	4,134.30	1/2	3,792.27	1/2	3,450.29	1/2	3,108.36	1/2	2,766.36
3/4		3/4		3/4		3/4	4,808.57	3/4	4,468.15	3/4	4,127.17	3/4	3,785.14	3/4	3,443.17	3/4	3,101.23	3/4	2,759.24
10		10		10		10	4,801.50	10	4,461.06	10	4,120.05	10	3,778.02	10	3,436.04	10	3,094.11	10	2,752.11
1/4		1/4		1/4		1/4	4,794.43	1/4	4,453.97	1/4	4,112.92	1/4	3,770.89	1/4	3,428.92	1/4	3,086.99	1/4	2,744.99
1/2		1/2		1/2		1/2	4,787.34	1/2	4,446.88	1/2	4,105.80	1/2	3,763.77	1/2	3,421.80	1/2	3,079.86	1/2	2,737.86
3/4		3/4		3/4		3/4	4,780.25	3/4	4,439.78	3/4	4,098.67	3/4	3,756.64	3/4	3,414.67	3/4	3,072.74	3/4	2,730.74
11		11		11		11	4,773.15	11	4,432.69	11	4,091.55	11	3,749.52	11	3,407.55	11	3,065.62	11	2,723.61
1/4		1/4		1/4	5,025.78	1/4	4,766.06	1/4	4,425.60	1/4	4,084.42	1/4	3,742.39	1/4	3,400.43	1/4	3,058.49	1/4	2,716.49
1/2		1/2		1/2	5,024.85	1/2	4,758.97	1/2	4,418.50	1/2	4,077.29	1/2	3,735.27	1/2	3,393.30	1/2	3,051.37	1/2	2,709.36
3/4		3/4		3/4	5,023.93	3/4	4,751.87	3/4	4,411.41	3/4	4,070.17	3/4	3,728.14	3/4	3,386.18	3/4	3,044.25	3/4	2,702.23

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,695.11	0	2,353.07	0	2,011.02	0	1,668.98	0	1,326.93	0	985.53	0	645.46	0	310.04	0	24.28	0	
1/4	2,687.98	1/4	2,345.95	1/4	2,003.90	1/4	1,661.85	1/4	1,319.80	1/4	978.46	1/4	638.33	1/4	303.41	1/4	20.44	1/4	
1/2	2,680.86	1/2	2,338.82	1/2	1,996.77	1/2	1,654.72	1/2	1,312.68	1/2	971.40	1/2	631.21	1/2	296.87	1/2	17.65	1/2	
3/4	2,673.73	3/4	2,331.69	3/4	1,989.65	3/4	1,647.60	3/4	1,305.55	3/4	964.33	3/4	624.08	3/4	290.33	3/4	14.85	3/4	
1	2,666.61	1	2,324.57	1	1,982.52	1	1,640.47	1	1,298.42	1	957.26	1	616.96	1	283.78	1	12.06	1	
1/4	2,659.48	1/4	2,317.44	1/4	1,975.39	1/4	1,633.35	1/4	1,291.30	1/4	950.20	1/4	609.83	1/4	277.24	1/4	9.27	1/4	
1/2	2,652.36	1/2	2,310.32	1/2	1,968.27	1/2	1,626.22	1/2	1,284.17	1/2	943.13	1/2	602.71	1/2	270.78	1/2	7.49	1/2	
3/4	2,645.23	3/4	2,303.19	3/4	1,961.14	3/4	1,619.09	3/4	1,277.05	3/4	936.07	3/4	595.58	3/4	264.32	3/4	5.71	3/4	
2	2,638.11	2	2,296.06	2	1,954.02	2	1,611.97	2	1,269.92	2	929.00	2	588.45	2	257.86	2	3.92	2	
1/4	2,630.98	1/4	2,288.94	1/4	1,946.89	1/4	1,604.84	1/4	1,262.79	1/4	921.94	1/4	581.33	1/4	251.40	1/4	2.15	1/4	
1/2	2,623.86	1/2	2,281.81	1/2	1,939.76	1/2	1,597.72	1/2	1,255.67	1/2	914.87	1/2	574.20	1/2	245.03	1/2		1/2	
3/4	2,616.73	3/4	2,274.69	3/4	1,932.64	3/4	1,590.59	3/4	1,248.54	3/4	907.80	3/4	567.08	3/4	238.65	3/4		3/4	
3	2,609.61	3	2,267.56	3	1,925.51	3	1,583.46	3	1,241.42	3	900.74	3	559.95	3	232.27	3		3	
1/4	2,602.48	1/4	2,260.43	1/4	1,918.39	1/4	1,576.34	1/4	1,234.29	1/4	893.67	1/4	552.82	1/4	225.90	1/4		1/4	
1/2	2,595.36	1/2	2,253.31	1/2	1,911.26	1/2	1,569.21	1/2	1,227.16	1/2	886.61	1/2	545.70	1/2	219.60	1/2		1/2	
3/4	2,588.23	3/4	2,246.18	3/4	1,904.13	3/4	1,562.09	3/4	1,220.04	3/4	879.54	3/4	538.57	3/4	213.31	3/4		3/4	
4	2,581.10	4	2,239.06	4	1,897.01	4	1,554.96	4	1,212.91	4	872.48	4	531.45	4	207.02	4		4	
1/4	2,573.98	1/4	2,231.93	1/4	1,889.88	1/4	1,547.83	1/4	1,205.79	1/4	865.41	1/4	524.32	1/4	200.72	1/4		1/4	
1/2	2,566.85	1/2	2,224.80	1/2	1,882.76	1/2	1,540.71	1/2	1,198.66	1/2	858.34	1/2	517.20	1/2	194.51	1/2		1/2	
3/4	2,559.73	3/4	2,217.68	3/4	1,875.63	3/4	1,533.58	3/4	1,191.53	3/4	851.28	3/4	510.07	3/4	188.30	3/4		3/4	
5	2,552.60	5	2,210.55	5	1,868.50	5	1,526.46	5	1,184.41	5	844.21	5	502.94	5	182.09	5		5	
1/4	2,545.47	1/4	2,203.43	1/4	1,861.38	1/4	1,519.33	1/4	1,177.28	1/4	837.15	1/4	495.82	1/4	175.88	1/4		1/4	
1/2	2,538.35	1/2	2,196.30	1/2	1,854.25	1/2	1,512.20	1/2	1,170.16	1/2	830.08	1/2	488.72	1/2	169.76	1/2		1/2	
3/4	2,531.22	3/4	2,189.17	3/4	1,847.13	3/4	1,505.08	3/4	1,163.03	3/4	823.02	3/4	481.61	3/4	163.63	3/4		3/4	
6	2,524.10	6	2,182.05	6	1,840.00	6	1,497.95	6	1,155.90	6	815.95	6	474.51	6	157.51	6		6	
1/4	2,516.97	1/4	2,174.92	1/4	1,832.87	1/4	1,490.83	1/4	1,148.78	1/4	808.89	1/4	467.41	1/4	151.38	1/4		1/4	
1/2	2,509.84	1/2	2,167.80	1/2	1,825.75	1/2	1,483.70	1/2	1,141.65	1/2	801.82	1/2	460.37	1/2	145.34	1/2		1/2	
3/4	2,502.72	3/4	2,160.67	3/4	1,818.62	3/4	1,476.57	3/4	1,134.53	3/4	794.75	3/4	453.33	3/4	139.29	3/4		3/4	
7	2,495.59	7	2,153.54	7	1,811.50	7	1,469.45	7	1,127.40	7	787.68	7	446.30	7	133.25	7		7	
1/4	2,488.47	1/4	2,146.42	1/4	1,804.37	1/4	1,462.32	1/4	1,120.27	1/4	780.61	1/4	439.26	1/4	127.20	1/4		1/4	
1/2	2,481.34	1/2	2,139.29	1/2	1,797.24	1/2	1,455.20	1/2	1,113.15	1/2	773.52	1/2	432.30	1/2	121.25	1/2		1/2	
3/4	2,474.21	3/4	2,132.17	3/4	1,790.12	3/4	1,448.07	3/4	1,106.02	3/4	766.44	3/4	425.35	3/4	115.29	3/4		3/4	
8	2,467.09	8	2,125.04	8	1,782.99	8	1,440.94	8	1,098.90	8	759.36	8	418.39	8	109.33	8		8	
1/4	2,459.96	1/4	2,117.91	1/4	1,775.87	1/4	1,433.82	1/4	1,091.77	1/4	752.28	1/4	411.43	1/4	103.37	1/4		1/4	
1/2	2,452.84	1/2	2,110.79	1/2	1,768.74	1/2	1,426.69	1/2	1,084.66	1/2	745.17	1/2	404.56	1/2	97.50	1/2		1/2	
3/4	2,445.71	3/4	2,103.66	3/4	1,761.61	3/4	1,419.57	3/4	1,077.55	3/4	738.06	3/4	397.68	3/4	91.63	3/4		3/4	
9	2,438.58	9	2,096.54	9	1,754.49	9	1,412.44	9	1,070.44	9	730.95	9	390.80	9	85.75	9		9	
1/4	2,431.46	1/4	2,089.41	1/4	1,747.36	1/4	1,405.31	1/4	1,063.33	1/4	723.84	1/4	383.93	1/4	79.88	1/4		1/4	
1/2	2,424.33	1/2	2,082.28	1/2	1,740.24	1/2	1,398.19	1/2	1,056.25	1/2	716.72	1/2	377.14	1/2	74.11	1/2		1/2	
3/4	2,417.21	3/4	2,075.16	3/4	1,733.11	3/4	1,391.06	3/4	1,049.17	3/4	709.59	3/4	370.34	3/4	68.34	3/4		3/4	
10	2,410.08	10	2,068.03	10	1,725.98	10	1,383.94	10	1,042.09	10	702.47	10	363.55	10	62.57	10		10	
1/4	2,402.95	1/4	2,060.91	1/4	1,718.86	1/4	1,376.81	1/4	1,035.00	1/4	695.34	1/4	356.76	1/4	56.80	1/4		1/4	
1/2	2,395.83	1/2	2,053.78	1/2	1,711.73	1/2	1,369.68	1/2	1,027.93	1/2	688.22	1/2	350.05	1/2	51.56	1/2		1/2	
3/4	2,388.70	3/4	2,046.65	3/4	1,704.61	3/4	1,362.56	3/4	1,020.86	3/4	681.09	3/4	343.34	3/4	46.31	3/4		3/4	
11	2,381.58	11	2,039.53	11	1,697.48	11	1,355.43	11	1,013.79	11	673.96	11	336.63	11	41.06	11		11	
1/4	2,374.45	1/4	2,032.40	1/4	1,690.35	1/4	1,348.31	1/4	1,006.72	1/4	666.84	1/4	329.92	1/4	35.82	1/4		1/4	
1/2	2,367.32	1/2	2,025.28	1/2	1,683.23	1/2	1,341.18	1/2	999.66	1/2	659.71	1/2	323.29	1/2	31.97	1/2		1/2	
3/4	2,360.20	3/4	2,018.15	3/4	1,676.10	3/4	1,334.05	3/4	992.59	3/4	652.59	3/4	316.67	3/4	28.13	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

1 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,038.29	0	4,759.36	0	4,418.02	0	4,075.86	0	3,732.95	0	3,390.11	0	3,047.29
1/4		1/4		1/4		1/4	5,037.37	1/4	4,752.25	1/4	4,410.91	1/4	4,068.72	1/4	3,725.81	1/4	3,382.97	1/4	3,040.15
1/2		1/2		1/2		1/2	5,035.36	1/2	4,745.14	1/2	4,403.80	1/2	4,061.58	1/2	3,718.66	1/2	3,375.83	1/2	3,033.01
3/4		3/4		3/4		3/4	5,033.35	3/4	4,738.03	3/4	4,396.69	3/4	4,054.43	3/4	3,711.52	3/4	3,368.68	3/4	3,025.87
1		1		1		1	5,031.35	1	4,730.92	1	4,389.57	1	4,047.29	1	3,704.38	1	3,361.54	1	3,018.73
1/4		1/4		1/4		1/4	5,029.34	1/4	4,723.80	1/4	4,382.46	1/4	4,040.14	1/4	3,697.23	1/4	3,354.40	1/4	3,011.58
1/2		1/2		1/2		1/2	5,026.15	1/2	4,716.69	1/2	4,375.35	1/2	4,033.00	1/2	3,690.09	1/2	3,347.26	1/2	3,004.44
3/4		3/4		3/4		3/4	5,022.95	3/4	4,709.58	3/4	4,368.24	3/4	4,025.86	3/4	3,682.94	3/4	3,340.12	3/4	2,997.30
2		2		2		2	5,019.75	2	4,702.47	2	4,361.13	2	4,018.71	2	3,675.80	2	3,332.97	2	2,990.15
1/4		1/4		1/4		1/4	5,016.56	1/4	4,695.36	1/4	4,354.02	1/4	4,011.57	1/4	3,668.66	1/4	3,325.83	1/4	2,983.01
1/2		1/2		1/2		1/2	5,012.17	1/2	4,688.25	1/2	4,346.91	1/2	4,004.42	1/2	3,661.51	1/2	3,318.69	1/2	2,975.87
3/4		3/4		3/4		3/4	5,007.78	3/4	4,681.14	3/4	4,339.79	3/4	3,997.28	3/4	3,654.37	3/4	3,311.55	3/4	2,968.72
3		3		3		3	5,003.40	3	4,674.03	3	4,332.68	3	3,990.14	3	3,647.22	3	3,304.41	3	2,961.58
1/4		1/4		1/4		1/4	4,999.01	1/4	4,666.91	1/4	4,325.57	1/4	3,982.99	1/4	3,640.08	1/4	3,297.26	1/4	2,954.43
1/2		1/2		1/2		1/2	4,993.43	1/2	4,659.80	1/2	4,318.46	1/2	3,975.85	1/2	3,632.94	1/2	3,290.12	1/2	2,947.29
3/4		3/4		3/4		3/4	4,987.85	3/4	4,652.69	3/4	4,311.35	3/4	3,968.70	3/4	3,625.80	3/4	3,282.98	3/4	2,940.15
4		4		4		4	4,982.27	4	4,645.58	4	4,304.24	4	3,961.56	4	3,618.65	4	3,275.84	4	2,933.00
1/4		1/4		1/4		1/4	4,976.70	1/4	4,638.47	1/4	4,297.13	1/4	3,954.42	1/4	3,611.51	1/4	3,268.70	1/4	2,925.86
1/2		1/2		1/2		1/2	4,970.11	1/2	4,631.36	1/2	4,290.02	1/2	3,947.27	1/2	3,604.37	1/2	3,261.55	1/2	2,918.71
3/4		3/4		3/4		3/4	4,963.53	3/4	4,624.25	3/4	4,282.90	3/4	3,940.13	3/4	3,597.23	3/4	3,254.41	3/4	2,911.57
5		5		5		5	4,956.94	5	4,617.14	5	4,275.79	5	3,932.98	5	3,590.09	5	3,247.27	5	2,904.43
1/4		1/4		1/4		1/4	4,950.35	1/4	4,610.02	1/4	4,268.68	1/4	3,925.84	1/4	3,582.94	1/4	3,240.13	1/4	2,897.28
1/2		1/2		1/2		1/2	4,943.33	1/2	4,602.91	1/2	4,261.56	1/2	3,918.70	1/2	3,575.80	1/2	3,232.99	1/2	2,890.14
3/4		3/4		3/4		3/4	4,936.31	3/4	4,595.80	3/4	4,254.43	3/4	3,911.55	3/4	3,568.66	3/4	3,225.84	3/4	2,882.99
6		6		6		6	4,929.28	6	4,588.69	6	4,247.30	6	3,904.41	6	3,561.52	6	3,218.70	6	2,875.85
1/4		1/4		1/4		1/4	4,922.26	1/4	4,581.58	1/4	4,240.18	1/4	3,897.26	1/4	3,554.38	1/4	3,211.56	1/4	2,868.71
1/2		1/2		1/2		1/2	4,915.20	1/2	4,574.47	1/2	4,233.03	1/2	3,890.12	1/2	3,547.23	1/2	3,204.42	1/2	2,861.56
3/4		3/4		3/4		3/4	4,908.14	3/4	4,567.36	3/4	4,225.89	3/4	3,882.98	3/4	3,540.09	3/4	3,197.28	3/4	2,854.42
7		7		7		7	4,901.08	7	4,560.24	7	4,218.74	7	3,875.83	7	3,532.95	7	3,190.13	7	2,847.28
1/4		1/4		1/4		1/4	4,894.02	1/4	4,553.13	1/4	4,211.60	1/4	3,868.69	1/4	3,525.81	1/4	3,182.99	1/4	2,840.13
1/2		1/2		1/2		1/2	4,886.96	1/2	4,546.02	1/2	4,204.46	1/2	3,861.54	1/2	3,518.67	1/2	3,175.85	1/2	2,832.99
3/4		3/4		3/4		3/4	4,879.89	3/4	4,538.91	3/4	4,197.31	3/4	3,854.40	3/4	3,511.52	3/4	3,168.71	3/4	2,825.84
8		8		8		8	4,872.82	8	4,531.80	8	4,190.17	8	3,847.26	8	3,504.38	8	3,161.57	8	2,818.70
1/4		1/4		1/4		1/4	4,865.76	1/4	4,524.69	1/4	4,183.02	1/4	3,840.11	1/4	3,497.24	1/4	3,154.42	1/4	2,811.56
1/2		1/2		1/2		1/2	4,858.69	1/2	4,517.58	1/2	4,175.88	1/2	3,832.97	1/2	3,490.10	1/2	3,147.28	1/2	2,804.41
3/4		3/4		3/4		3/4	4,851.63	3/4	4,510.47	3/4	4,168.74	3/4	3,825.82	3/4	3,482.96	3/4	3,140.14	3/4	2,797.27
9		9		9		9	4,844.56	9	4,503.35	9	4,161.59	9	3,818.68	9	3,475.81	9	3,133.00	9	2,790.12
1/4		1/4		1/4		1/4	4,837.49	1/4	4,496.24	1/4	4,154.45	1/4	3,811.54	1/4	3,468.67	1/4	3,125.86	1/4	2,782.98
1/2		1/2		1/2		1/2	4,830.41	1/2	4,489.13	1/2	4,147.30	1/2	3,804.39	1/2	3,461.53	1/2	3,118.71	1/2	2,775.84
3/4		3/4		3/4		3/4	4,823.32	3/4	4,482.02	3/4	4,140.16	3/4	3,797.25	3/4	3,454.39	3/4	3,111.57	3/4	2,768.69
10		10		10		10	4,816.23	10	4,474.91	10	4,133.02	10	3,790.10	10	3,447.25	10	3,104.43	10	2,761.55
1/4		1/4		1/4		1/4	4,809.14	1/4	4,467.80	1/4	4,125.87	1/4	3,782.96	1/4	3,440.10	1/4	3,097.29	1/4	2,754.40
1/2		1/2		1/2		1/2	4,802.03	1/2	4,460.69	1/2	4,118.73	1/2	3,775.82	1/2	3,432.96	1/2	3,090.15	1/2	2,747.26
3/4		3/4		3/4		3/4	4,794.92	3/4	4,453.58	3/4	4,111.58	3/4	3,768.67	3/4	3,425.82	3/4	3,083.00	3/4	2,740.12
11		11		11		11	4,787.81	11	4,446.46	11	4,104.44	11	3,761.53	11	3,418.68	11	3,075.86	11	2,732.97
1/4		1/4		1/4		1/4	5,041.08	1/4	4,780.70	1/4	4,439.35	1/4	4,097.30	1/4	3,754.38	1/4	3,411.54	1/4	2,725.83
1/2		1/2		1/2		1/2	5,040.15	1/2	4,773.58	1/2	4,432.24	1/2	4,090.15	1/2	3,747.24	1/2	3,404.39	1/2	2,718.68
3/4		3/4		3/4		3/4	5,039.22	3/4	4,766.47	3/4	4,425.13	3/4	4,083.01	3/4	3,740.10	3/4	3,397.25	3/4	2,711.54

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

1 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,704.40	0	2,361.48	0	2,018.55	0	1,675.61	0	1,332.68	0	989.80	0	647.12	0	310.80	0	24.34	0	
1/4	2,697.25	1/4	2,354.33	1/4	2,011.40	1/4	1,668.47	1/4	1,325.54	1/4	982.66	1/4	639.97	1/4	304.16	1/4	20.49	1/4	
1/2	2,690.11	1/2	2,347.19	1/2	2,004.26	1/2	1,661.33	1/2	1,318.39	1/2	975.53	1/2	632.83	1/2	297.60	1/2	17.69	1/2	
3/4	2,682.97	3/4	2,340.04	3/4	1,997.11	3/4	1,654.18	3/4	1,311.25	3/4	968.39	3/4	625.69	3/4	291.04	3/4	14.89	3/4	
1	2,675.82	1	2,332.90	1	1,989.97	1	1,647.04	1	1,304.11	1	961.26	1	618.54	1	284.48	1	12.09	1	
1/4	2,668.68	1/4	2,325.75	1/4	1,982.82	1/4	1,639.89	1/4	1,296.96	1/4	954.12	1/4	611.40	1/4	277.92	1/4	9.29	1/4	
1/2	2,661.53	1/2	2,318.61	1/2	1,975.68	1/2	1,632.75	1/2	1,289.82	1/2	946.99	1/2	604.25	1/2	271.44	1/2	7.51	1/2	
3/4	2,654.39	3/4	2,311.47	3/4	1,968.53	3/4	1,625.60	3/4	1,282.67	3/4	939.85	3/4	597.11	3/4	264.97	3/4	5.72	3/4	
2	2,647.25	2	2,304.32	2	1,961.39	2	1,618.46	2	1,275.53	2	932.71	2	589.97	2	258.49	2	3.93	2	
1/4	2,640.10	1/4	2,297.18	1/4	1,954.25	1/4	1,611.31	1/4	1,268.38	1/4	925.58	1/4	582.82	1/4	252.01	1/4	2.15	1/4	
1/2	2,632.96	1/2	2,290.03	1/2	1,947.10	1/2	1,604.17	1/2	1,261.24	1/2	918.44	1/2	575.68	1/2	245.62	1/2		1/2	
3/4	2,625.82	3/4	2,282.89	3/4	1,939.96	3/4	1,597.03	3/4	1,254.09	3/4	911.31	3/4	568.53	3/4	239.23	3/4		3/4	
3	2,618.67	3	2,275.74	3	1,932.81	3	1,589.88	3	1,246.95	3	904.17	3	561.39	3	232.84	3		3	
1/4	2,611.53	1/4	2,268.60	1/4	1,925.67	1/4	1,582.74	1/4	1,239.81	1/4	897.04	1/4	554.24	1/4	226.45	1/4		1/4	
1/2	2,604.39	1/2	2,261.46	1/2	1,918.52	1/2	1,575.59	1/2	1,232.66	1/2	889.90	1/2	547.10	1/2	220.14	1/2		1/2	
3/4	2,597.24	3/4	2,254.31	3/4	1,911.38	3/4	1,568.45	3/4	1,225.52	3/4	882.77	3/4	539.96	3/4	213.83	3/4		3/4	
4	2,590.10	4	2,247.17	4	1,904.24	4	1,561.30	4	1,218.37	4	875.63	4	532.81	4	207.52	4		4	
1/4	2,582.95	1/4	2,240.02	1/4	1,897.09	1/4	1,554.16	1/4	1,211.23	1/4	868.50	1/4	525.67	1/4	201.21	1/4		1/4	
1/2	2,575.81	1/2	2,232.88	1/2	1,889.95	1/2	1,547.02	1/2	1,204.08	1/2	861.36	1/2	518.52	1/2	194.99	1/2		1/2	
3/4	2,568.66	3/4	2,225.73	3/4	1,882.80	3/4	1,539.87	3/4	1,196.94	3/4	854.23	3/4	511.38	3/4	188.76	3/4		3/4	
5	2,561.52	5	2,218.59	5	1,875.66	5	1,532.73	5	1,189.80	5	847.09	5	504.24	5	182.54	5		5	
1/4	2,554.38	1/4	2,211.44	1/4	1,868.51	1/4	1,525.58	1/4	1,182.65	1/4	839.95	1/4	497.09	1/4	176.31	1/4		1/4	
1/2	2,547.23	1/2	2,204.30	1/2	1,861.37	1/2	1,518.44	1/2	1,175.51	1/2	832.82	1/2	489.97	1/2	170.17	1/2		1/2	
3/4	2,540.09	3/4	2,197.16	3/4	1,854.22	3/4	1,511.29	3/4	1,168.36	3/4	825.68	3/4	482.84	3/4	164.03	3/4		3/4	
6	2,532.94	6	2,190.01	6	1,847.08	6	1,504.15	6	1,161.22	6	818.55	6	475.72	6	157.88	6		6	
1/4	2,525.80	1/4	2,182.87	1/4	1,839.94	1/4	1,497.00	1/4	1,154.07	1/4	811.41	1/4	468.60	1/4	151.74	1/4		1/4	
1/2	2,518.65	1/2	2,175.72	1/2	1,832.79	1/2	1,489.86	1/2	1,146.93	1/2	804.27	1/2	461.54	1/2	145.69	1/2		1/2	
3/4	2,511.51	3/4	2,168.58	3/4	1,825.65	3/4	1,482.72	3/4	1,139.78	3/4	797.13	3/4	454.48	3/4	139.63	3/4		3/4	
7	2,504.36	7	2,161.43	7	1,818.50	7	1,475.57	7	1,132.64	7	790.00	7	447.42	7	133.57	7		7	
1/4	2,497.22	1/4	2,154.29	1/4	1,811.36	1/4	1,468.43	1/4	1,125.50	1/4	782.86	1/4	440.36	1/4	127.51	1/4		1/4	
1/2	2,490.08	1/2	2,147.14	1/2	1,804.21	1/2	1,461.28	1/2	1,118.35	1/2	775.71	1/2	433.38	1/2	121.54	1/2		1/2	
3/4	2,482.93	3/4	2,140.00	3/4	1,797.07	3/4	1,454.14	3/4	1,111.21	3/4	768.57	3/4	426.40	3/4	115.56	3/4		3/4	
8	2,475.79	8	2,132.86	8	1,789.92	8	1,446.99	8	1,104.06	8	761.43	8	419.42	8	109.59	8		8	
1/4	2,468.64	1/4	2,125.71	1/4	1,782.78	1/4	1,439.85	1/4	1,096.92	1/4	754.28	1/4	412.45	1/4	103.61	1/4		1/4	
1/2	2,461.50	1/2	2,118.57	1/2	1,775.64	1/2	1,432.70	1/2	1,089.77	1/2	747.14	1/2	405.55	1/2	97.73	1/2		1/2	
3/4	2,454.35	3/4	2,111.42	3/4	1,768.49	3/4	1,425.56	3/4	1,082.63	3/4	739.99	3/4	398.66	3/4	91.84	3/4		3/4	
9	2,447.21	9	2,104.28	9	1,761.35	9	1,418.42	9	1,075.48	9	732.85	9	391.77	9	85.96	9		9	
1/4	2,440.07	1/4	2,097.13	1/4	1,754.20	1/4	1,411.27	1/4	1,068.34	1/4	725.71	1/4	384.87	1/4	80.07	1/4		1/4	
1/2	2,432.92	1/2	2,089.99	1/2	1,747.06	1/2	1,404.13	1/2	1,061.20	1/2	718.56	1/2	378.06	1/2	74.29	1/2		1/2	
3/4	2,425.78	3/4	2,082.85	3/4	1,739.91	3/4	1,396.98	3/4	1,054.05	3/4	711.42	3/4	371.25	3/4	68.51	3/4		3/4	
10	2,418.63	10	2,075.70	10	1,732.77	10	1,389.84	10	1,046.91	10	704.27	10	364.44	10	62.72	10		10	
1/4	2,411.49	1/4	2,068.56	1/4	1,725.63	1/4	1,382.69	1/4	1,039.76	1/4	697.13	1/4	357.63	1/4	56.94	1/4		1/4	
1/2	2,404.34	1/2	2,061.41	1/2	1,718.48	1/2	1,375.55	1/2	1,032.62	1/2	689.98	1/2	350.91	1/2	51.68	1/2		1/2	
3/4	2,397.20	3/4	2,054.27	3/4	1,711.34	3/4	1,368.41	3/4	1,025.48	3/4	682.84	3/4	344.18	3/4	46.42	3/4		3/4	
11	2,390.05	11	2,047.12	11	1,704.19	11	1,361.26	11	1,018.34	11	675.70	11	337.45	11	41.16	11		11	
1/4	2,382.91	1/4	2,039.98	1/4	1,697.05	1/4	1,354.12	1/4	1,011.21	1/4	668.55	1/4	330.73	1/4	35.90	1/4		1/4	
1/2	2,375.77	1/2	2,032.83	1/2	1,689.90	1/2	1,346.97	1/2	1,004.07	1/2	661.41	1/2	324.08	1/2	32.05	1/2		1/2	
3/4	2,368.62	3/4	2,025.69	3/4	1,682.76	3/4	1,339.83	3/4	996.93	3/4	654.26	3/4	317.44	3/4	28.20	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

2 PORT
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,101.87	0	4,822.04	0	4,479.58	0	4,136.30	0	3,792.27	0	3,448.24	0	3,104.22
1/4		1/4		1/4		1/4	5,100.94	1/4	4,814.90	1/4	4,472.44	1/4	4,129.13	1/4	3,785.10	1/4	3,441.08	1/4	3,097.05
1/2		1/2		1/2		1/2	5,098.92	1/2	4,807.77	1/2	4,465.31	1/2	4,121.96	1/2	3,777.94	1/2	3,433.91	1/2	3,089.88
3/4		3/4		3/4		3/4	5,096.91	3/4	4,800.64	3/4	4,458.17	3/4	4,114.79	3/4	3,770.77	3/4	3,426.74	3/4	3,082.72
1		1		1		1	5,094.90	1	4,793.50	1	4,451.04	1	4,107.63	1	3,763.60	1	3,419.58	1	3,075.55
1/4		1/4		1/4		1/4	5,092.89	1/4	4,786.37	1/4	4,443.91	1/4	4,100.46	1/4	3,756.43	1/4	3,412.41	1/4	3,068.38
1/2		1/2		1/2		1/2	5,089.68	1/2	4,779.23	1/2	4,436.77	1/2	4,093.29	1/2	3,749.27	1/2	3,405.24	1/2	3,061.22
3/4		3/4		3/4		3/4	5,086.48	3/4	4,772.10	3/4	4,429.64	3/4	4,086.12	3/4	3,742.10	3/4	3,398.07	3/4	3,054.05
2		2		2		2	5,083.27	2	4,764.96	2	4,422.50	2	4,078.96	2	3,734.93	2	3,390.91	2	3,046.89
1/4		1/4		1/4		1/4	5,080.07	1/4	4,757.83	1/4	4,415.37	1/4	4,071.79	1/4	3,727.76	1/4	3,383.74	1/4	3,039.72
1/2		1/2		1/2		1/2	5,075.66	1/2	4,750.69	1/2	4,408.23	1/2	4,064.62	1/2	3,720.60	1/2	3,376.57	1/2	3,032.55
3/4		3/4		3/4		3/4	5,071.26	3/4	4,743.56	3/4	4,401.10	3/4	4,057.46	3/4	3,713.43	3/4	3,369.40	3/4	3,025.38
3		3		3		3	5,066.86	3	4,736.42	3	4,393.96	3	4,050.29	3	3,706.26	3	3,362.24	3	3,018.21
1/4		1/4		1/4		1/4	5,062.46	1/4	4,729.29	1/4	4,386.83	1/4	4,043.12	1/4	3,699.10	1/4	3,355.07	1/4	3,011.05
1/2		1/2		1/2		1/2	5,056.87	1/2	4,722.15	1/2	4,379.69	1/2	4,035.95	1/2	3,691.93	1/2	3,347.90	1/2	3,003.88
3/4		3/4		3/4		3/4	5,051.27	3/4	4,715.02	3/4	4,372.56	3/4	4,028.79	3/4	3,684.76	3/4	3,340.74	3/4	2,996.71
4		4		4		4	5,045.67	4	4,707.89	4	4,365.42	4	4,021.62	4	3,677.59	4	3,333.57	4	2,989.54
1/4		1/4		1/4		1/4	5,040.08	1/4	4,700.75	1/4	4,358.29	1/4	4,014.45	1/4	3,670.43	1/4	3,326.40	1/4	2,982.37
1/2		1/2		1/2		1/2	5,033.47	1/2	4,693.62	1/2	4,351.16	1/2	4,007.29	1/2	3,663.26	1/2	3,319.23	1/2	2,975.20
3/4		3/4		3/4		3/4	5,026.86	3/4	4,686.48	3/4	4,344.02	3/4	4,000.12	3/4	3,656.09	3/4	3,312.07	3/4	2,968.03
5		5		5		5	5,020.26	5	4,679.35	5	4,336.89	5	3,992.95	5	3,648.93	5	3,304.90	5	2,960.86
1/4		1/4		1/4		1/4	5,013.65	1/4	4,672.21	1/4	4,329.75	1/4	3,985.78	1/4	3,641.76	1/4	3,297.73	1/4	2,953.69
1/2		1/2		1/2		1/2	5,006.60	1/2	4,665.08	1/2	4,322.60	1/2	3,978.62	1/2	3,634.59	1/2	3,290.57	1/2	2,946.52
3/4		3/4		3/4		3/4	4,999.55	3/4	4,657.94	3/4	4,315.45	3/4	3,971.45	3/4	3,627.42	3/4	3,283.40	3/4	2,939.35
6		6		6		6	4,992.51	6	4,650.81	6	4,308.29	6	3,964.28	6	3,620.26	6	3,276.23	6	2,932.18
1/4		1/4		1/4		1/4	4,985.46	1/4	4,643.67	1/4	4,301.14	1/4	3,957.12	1/4	3,613.09	1/4	3,269.06	1/4	2,925.01
1/2		1/2		1/2		1/2	4,978.38	1/2	4,636.54	1/2	4,293.97	1/2	3,949.95	1/2	3,605.92	1/2	3,261.90	1/2	2,917.84
3/4		3/4		3/4		3/4	4,971.30	3/4	4,629.41	3/4	4,286.81	3/4	3,942.78	3/4	3,598.76	3/4	3,254.73	3/4	2,910.68
7		7		7		7	4,964.22	7	4,622.27	7	4,279.64	7	3,935.61	7	3,591.59	7	3,247.56	7	2,903.51
1/4		1/4		1/4		1/4	4,957.14	1/4	4,615.14	1/4	4,272.47	1/4	3,928.45	1/4	3,584.42	1/4	3,240.40	1/4	2,896.34
1/2		1/2		1/2		1/2	4,950.05	1/2	4,608.00	1/2	4,265.30	1/2	3,921.28	1/2	3,577.25	1/2	3,233.23	1/2	2,889.17
3/4		3/4		3/4		3/4	4,942.96	3/4	4,600.87	3/4	4,258.14	3/4	3,914.11	3/4	3,570.09	3/4	3,226.06	3/4	2,882.00
8		8		8		8	4,935.87	8	4,593.73	8	4,250.97	8	3,906.94	8	3,562.92	8	3,218.89	8	2,874.83
1/4		1/4		1/4		1/4	4,928.78	1/4	4,586.60	1/4	4,243.80	1/4	3,899.78	1/4	3,555.75	1/4	3,211.73	1/4	2,867.66
1/2		1/2		1/2		1/2	4,921.69	1/2	4,579.46	1/2	4,236.64	1/2	3,892.61	1/2	3,548.58	1/2	3,204.56	1/2	2,860.49
3/4		3/4		3/4		3/4	4,914.60	3/4	4,572.33	3/4	4,229.47	3/4	3,885.44	3/4	3,541.42	3/4	3,197.39	3/4	2,853.32
9		9		9		9	4,907.51	9	4,565.19	9	4,222.30	9	3,878.28	9	3,534.25	9	3,190.22	9	2,846.15
1/4		1/4		1/4		1/4	4,900.42	1/4	4,558.06	1/4	4,215.13	1/4	3,871.11	1/4	3,527.08	1/4	3,183.06	1/4	2,838.98
1/2		1/2		1/2		1/2	4,893.31	1/2	4,550.92	1/2	4,207.97	1/2	3,863.94	1/2	3,519.92	1/2	3,175.89	1/2	2,831.81
3/4		3/4		3/4		3/4	4,886.20	3/4	4,543.79	3/4	4,200.80	3/4	3,856.77	3/4	3,512.75	3/4	3,168.72	3/4	2,824.64
10		10		10		10	4,879.09	10	4,536.66	10	4,193.63	10	3,849.61	10	3,505.58	10	3,161.56	10	2,817.47
1/4		1/4		1/4		1/4	4,871.98	1/4	4,529.52	1/4	4,186.47	1/4	3,842.44	1/4	3,498.41	1/4	3,154.39	1/4	2,810.30
1/2		1/2		1/2		1/2	4,864.85	1/2	4,522.39	1/2	4,179.30	1/2	3,835.27	1/2	3,491.25	1/2	3,147.22	1/2	2,803.14
3/4		3/4		3/4		3/4	4,857.71	3/4	4,515.25	3/4	4,172.13	3/4	3,828.11	3/4	3,484.08	3/4	3,140.05	3/4	2,795.97
11		11		11		11	4,850.58	11	4,508.12	11	4,164.96	11	3,820.94	11	3,476.91	11	3,132.89	11	2,788.80
1/4		1/4		1/4		1/4	5,104.66	1/4	4,843.44	1/4	4,500.98	1/4	3,813.77	1/4	3,469.75	1/4	3,125.72	1/4	2,781.63
1/2		1/2		1/2		1/2	5,103.73	1/2	4,836.31	1/2	4,493.85	1/2	3,806.60	1/2	3,462.58	1/2	3,118.55	1/2	2,774.46
3/4		3/4		3/4		3/4	5,102.80	3/4	4,829.17	3/4	4,486.71	3/4	3,799.44	3/4	3,455.41	3/4	3,111.39	3/4	2,767.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,760.12	0	2,415.99	0	2,071.87	0	1,727.74	0	1,383.61	0	1,043.36	0	709.90	0	365.79	0	29.04	0	
1/4	2,752.95	1/4	2,408.82	1/4	2,064.70	1/4	1,720.57	1/4	1,376.44	1/4	1,036.50	1/4	702.73	1/4	358.62	1/4	23.67	1/4	
1/2	2,745.78	1/2	2,401.65	1/2	2,057.53	1/2	1,713.40	1/2	1,369.28	1/2	1,029.64	1/2	695.56	1/2	351.45	1/2	20.08	1/2	
3/4	2,738.61	3/4	2,394.49	3/4	2,050.36	3/4	1,706.23	3/4	1,362.11	3/4	1,022.78	3/4	688.40	3/4	344.28	3/4	16.50	3/4	
1	2,731.44	1	2,387.32	1	2,043.19	1	1,699.06	1	1,354.94	1	1,015.92	1	681.23	1	337.11	1	12.92	1	
1/4	2,724.27	1/4	2,380.15	1/4	2,036.02	1/4	1,691.89	1/4	1,347.77	1/4	1,009.06	1/4	674.06	1/4	329.95	1/4	9.33	1/4	
1/2	2,717.10	1/2	2,372.98	1/2	2,028.85	1/2	1,684.72	1/2	1,340.60	1/2	1,002.20	1/2	666.89	1/2	322.78	1/2	7.54	1/2	
3/4	2,709.93	3/4	2,365.81	3/4	2,021.68	3/4	1,677.56	3/4	1,333.43	3/4	995.34	3/4	659.72	3/4	315.61	3/4	5.75	3/4	
2	2,702.77	2	2,358.64	2	2,014.51	2	1,670.39	2	1,326.26	2	988.48	2	652.55	2	308.44	2	3.95	2	
1/4	2,695.60	1/4	2,351.47	1/4	2,007.34	1/4	1,663.22	1/4	1,319.09	1/4	981.61	1/4	645.38	1/4	301.27	1/4	2.16	1/4	
1/2	2,688.43	1/2	2,344.30	1/2	2,000.17	1/2	1,656.05	1/2	1,311.92	1/2	974.75	1/2	638.21	1/2	294.10	1/2		1/2	
3/4	2,681.26	3/4	2,337.13	3/4	1,993.00	3/4	1,648.88	3/4	1,304.75	3/4	967.89	3/4	631.04	3/4	286.93	3/4		3/4	
3	2,674.09	3	2,329.96	3	1,985.84	3	1,641.71	3	1,297.58	3	961.03	3	623.87	3	279.76	3		3	
1/4	2,666.92	1/4	2,322.79	1/4	1,978.67	1/4	1,634.54	1/4	1,290.41	1/4	954.17	1/4	616.71	1/4	272.59	1/4		1/4	
1/2	2,659.75	1/2	2,315.62	1/2	1,971.50	1/2	1,627.37	1/2	1,283.24	1/2	947.31	1/2	609.54	1/2	265.42	1/2		1/2	
3/4	2,652.58	3/4	2,308.45	3/4	1,964.33	3/4	1,620.20	3/4	1,276.07	3/4	940.45	3/4	602.37	3/4	258.26	3/4		3/4	
4	2,645.41	4	2,301.28	4	1,957.16	4	1,613.03	4	1,268.91	4	933.59	4	595.20	4	251.09	4		4	
1/4	2,638.24	1/4	2,294.12	1/4	1,949.99	1/4	1,605.86	1/4	1,261.74	1/4	926.73	1/4	588.03	1/4	243.92	1/4		1/4	
1/2	2,631.07	1/2	2,286.95	1/2	1,942.82	1/2	1,598.69	1/2	1,254.57	1/2	919.87	1/2	580.86	1/2	236.75	1/2		1/2	
3/4	2,623.90	3/4	2,279.78	3/4	1,935.65	3/4	1,591.52	3/4	1,247.40	3/4	913.01	3/4	573.69	3/4	229.58	3/4		3/4	
5	2,616.73	5	2,272.61	5	1,928.48	5	1,584.35	5	1,240.23	5	906.15	5	566.52	5	222.41	5		5	
1/4	2,609.56	1/4	2,265.44	1/4	1,921.31	1/4	1,577.19	1/4	1,233.06	1/4	899.28	1/4	559.35	1/4	215.24	1/4		1/4	
1/2	2,602.40	1/2	2,258.27	1/2	1,914.14	1/2	1,570.02	1/2	1,225.89	1/2	892.42	1/2	552.18	1/2	208.07	1/2		1/2	
3/4	2,595.23	3/4	2,251.10	3/4	1,906.97	3/4	1,562.85	3/4	1,218.72	3/4	885.56	3/4	545.02	3/4	200.90	3/4		3/4	
6	2,588.06	6	2,243.93	6	1,899.80	6	1,555.68	6	1,211.55	6	878.70	6	537.85	6	193.73	6		6	
1/4	2,580.89	1/4	2,236.76	1/4	1,892.63	1/4	1,548.51	1/4	1,204.38	1/4	871.84	1/4	530.68	1/4	186.57	1/4		1/4	
1/2	2,573.72	1/2	2,229.59	1/2	1,885.47	1/2	1,541.34	1/2	1,197.21	1/2	864.98	1/2	523.51	1/2	179.40	1/2		1/2	
3/4	2,566.55	3/4	2,222.42	3/4	1,878.30	3/4	1,534.17	3/4	1,190.04	3/4	858.11	3/4	516.34	3/4	172.23	3/4		3/4	
7	2,559.38	7	2,215.25	7	1,871.13	7	1,527.00	7	1,182.87	7	851.25	7	509.17	7	165.06	7		7	
1/4	2,552.21	1/4	2,208.08	1/4	1,863.96	1/4	1,519.83	1/4	1,175.70	1/4	844.38	1/4	502.00	1/4	157.89	1/4		1/4	
1/2	2,545.04	1/2	2,200.91	1/2	1,856.79	1/2	1,512.66	1/2	1,168.54	1/2	837.51	1/2	494.83	1/2	150.72	1/2		1/2	
3/4	2,537.87	3/4	2,193.75	3/4	1,849.62	3/4	1,505.49	3/4	1,161.37	3/4	830.63	3/4	487.66	3/4	143.55	3/4		3/4	
8	2,530.70	8	2,186.58	8	1,842.45	8	1,498.32	8	1,154.20	8	823.75	8	480.49	8	136.38	8		8	
1/4	2,523.53	1/4	2,179.41	1/4	1,835.28	1/4	1,491.15	1/4	1,147.03	1/4	816.87	1/4	473.33	1/4	129.22	1/4		1/4	
1/2	2,516.36	1/2	2,172.24	1/2	1,828.11	1/2	1,483.98	1/2	1,140.00	1/2	809.85	1/2	466.16	1/2	122.05	1/2		1/2	
3/4	2,509.19	3/4	2,165.07	3/4	1,820.94	3/4	1,476.81	3/4	1,132.97	3/4	802.82	3/4	458.99	3/4	114.89	3/4		3/4	
9	2,502.02	9	2,157.90	9	1,813.77	9	1,469.65	9	1,125.94	9	795.79	9	451.82	9	107.73	9		9	
1/4	2,494.86	1/4	2,150.73	1/4	1,806.60	1/4	1,462.48	1/4	1,118.92	1/4	788.76	1/4	444.65	1/4	100.56	1/4		1/4	
1/2	2,487.69	1/2	2,143.56	1/2	1,799.43	1/2	1,455.31	1/2	1,112.04	1/2	781.59	1/2	437.48	1/2	93.42	1/2		1/2	
3/4	2,480.52	3/4	2,136.39	3/4	1,792.26	3/4	1,448.14	3/4	1,105.16	3/4	774.42	3/4	430.31	3/4	86.27	3/4		3/4	
10	2,473.35	10	2,129.22	10	1,785.09	10	1,440.97	10	1,098.28	10	767.25	10	423.14	10	79.13	10		10	
1/4	2,466.18	1/4	2,122.05	1/4	1,777.93	1/4	1,433.80	1/4	1,091.41	1/4	760.09	1/4	415.97	1/4	71.98	1/4		1/4	
1/2	2,459.01	1/2	2,114.88	1/2	1,770.76	1/2	1,426.63	1/2	1,084.54	1/2	752.92	1/2	408.80	1/2	65.28	1/2		1/2	
3/4	2,451.84	3/4	2,107.71	3/4	1,763.59	3/4	1,419.46	3/4	1,077.68	3/4	745.75	3/4	401.64	3/4	58.58	3/4		3/4	
11	2,444.67	11	2,100.54	11	1,756.42	11	1,412.29	11	1,070.81	11	738.58	11	394.47	11	51.87	11		11	
1/4	2,437.50	1/4	2,093.37	1/4	1,749.25	1/4	1,405.12	1/4	1,063.95	1/4	731.41	1/4	387.30	1/4	45.17	1/4		1/4	
1/2	2,430.33	1/2	2,086.21	1/2	1,742.08	1/2	1,397.95	1/2	1,057.08	1/2	724.24	1/2	380.13	1/2	39.80	1/2		1/2	
3/4	2,423.16	3/4	2,079.04	3/4	1,734.91	3/4	1,390.78	3/4	1,050.22	3/4	717.07	3/4	372.96	3/4	34.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

2 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,109.80	0	4,830.23	0	4,488.11	0	4,145.18	0	3,801.49	0	3,457.87	0	3,114.28
1/4		1/4		1/4		1/4	5,108.87	1/4	4,823.10	1/4	4,480.98	1/4	4,138.02	1/4	3,794.33	1/4	3,450.71	1/4	3,107.12
1/2		1/2		1/2		1/2	5,106.86	1/2	4,815.97	1/2	4,473.86	1/2	4,130.86	1/2	3,787.17	1/2	3,443.55	1/2	3,099.97
3/4		3/4		3/4		3/4	5,104.85	3/4	4,808.84	3/4	4,466.73	3/4	4,123.70	3/4	3,780.01	3/4	3,436.40	3/4	3,092.81
1		1		1		1	5,102.83	1	4,801.72	1	4,459.60	1	4,116.54	1	3,772.85	1	3,429.24	1	3,085.65
1/4		1/4		1/4		1/4	5,100.82	1/4	4,794.59	1/4	4,452.47	1/4	4,109.38	1/4	3,765.69	1/4	3,422.08	1/4	3,078.49
1/2		1/2		1/2		1/2	5,097.62	1/2	4,787.46	1/2	4,445.35	1/2	4,102.22	1/2	3,758.53	1/2	3,414.92	1/2	3,071.33
3/4		3/4		3/4		3/4	5,094.42	3/4	4,780.33	3/4	4,438.22	3/4	4,095.06	3/4	3,751.37	3/4	3,407.76	3/4	3,064.17
2		2		2		2	5,091.21	2	4,773.21	2	4,431.09	2	4,087.90	2	3,744.21	2	3,400.61	2	3,057.01
1/4		1/4		1/4		1/4	5,088.01	1/4	4,766.08	1/4	4,423.96	1/4	4,080.74	1/4	3,737.05	1/4	3,393.45	1/4	3,049.85
1/2		1/2		1/2		1/2	5,083.61	1/2	4,758.95	1/2	4,416.84	1/2	4,073.58	1/2	3,729.89	1/2	3,386.29	1/2	3,042.69
3/4		3/4		3/4		3/4	5,079.21	3/4	4,751.82	3/4	4,409.71	3/4	4,066.42	3/4	3,722.73	3/4	3,379.13	3/4	3,035.53
3		3		3		3	5,074.82	3	4,744.70	3	4,402.58	3	4,059.26	3	3,715.57	3	3,371.97	3	3,028.37
1/4		1/4		1/4		1/4	5,070.42	1/4	4,737.57	1/4	4,395.45	1/4	4,052.10	1/4	3,708.41	1/4	3,364.82	1/4	3,021.21
1/2		1/2		1/2		1/2	5,064.83	1/2	4,730.44	1/2	4,388.33	1/2	4,044.94	1/2	3,701.25	1/2	3,357.66	1/2	3,014.05
3/4		3/4		3/4		3/4	5,059.24	3/4	4,723.31	3/4	4,381.20	3/4	4,037.78	3/4	3,694.09	3/4	3,350.50	3/4	3,006.89
4		4		4		4	5,053.65	4	4,716.19	4	4,374.07	4	4,030.62	4	3,686.93	4	3,343.34	4	2,999.73
1/4		1/4		1/4		1/4	5,048.06	1/4	4,709.06	1/4	4,366.94	1/4	4,023.46	1/4	3,679.77	1/4	3,336.18	1/4	2,992.57
1/2		1/2		1/2		1/2	5,041.46	1/2	4,701.93	1/2	4,359.82	1/2	4,016.30	1/2	3,672.61	1/2	3,329.02	1/2	2,985.41
3/4		3/4		3/4		3/4	5,034.85	3/4	4,694.81	3/4	4,352.69	3/4	4,009.14	3/4	3,665.46	3/4	3,321.87	3/4	2,978.25
5		5		5		5	5,028.25	5	4,687.68	5	4,345.56	5	4,001.98	5	3,658.30	5	3,314.71	5	2,971.09
1/4		1/4		1/4		1/4	5,021.65	1/4	4,680.55	1/4	4,338.44	1/4	3,994.82	1/4	3,651.14	1/4	3,307.55	1/4	2,963.93
1/2		1/2		1/2		1/2	5,014.61	1/2	4,673.42	1/2	4,331.29	1/2	3,987.66	1/2	3,643.98	1/2	3,300.39	1/2	2,956.77
3/4		3/4		3/4		3/4	5,007.57	3/4	4,666.30	3/4	4,324.15	3/4	3,980.50	3/4	3,636.82	3/4	3,293.23	3/4	2,949.61
6		6		6		6	5,000.53	6	4,659.17	6	4,317.01	6	3,973.34	6	3,629.66	6	3,286.08	6	2,942.45
1/4		1/4		1/4		1/4	4,993.49	1/4	4,652.04	1/4	4,309.87	1/4	3,966.18	1/4	3,622.51	1/4	3,278.92	1/4	2,935.29
1/2		1/2		1/2		1/2	4,986.42	1/2	4,644.91	1/2	4,302.71	1/2	3,959.02	1/2	3,615.35	1/2	3,271.76	1/2	2,928.13
3/4		3/4		3/4		3/4	4,979.34	3/4	4,637.79	3/4	4,295.55	3/4	3,951.86	3/4	3,608.19	3/4	3,264.60	3/4	2,920.97
7		7		7		7	4,972.27	7	4,630.66	7	4,288.39	7	3,944.70	7	3,601.03	7	3,257.44	7	2,913.81
1/4		1/4		1/4		1/4	4,965.19	1/4	4,623.53	1/4	4,281.23	1/4	3,937.54	1/4	3,593.87	1/4	3,250.29	1/4	2,906.65
1/2		1/2		1/2		1/2	4,958.11	1/2	4,616.40	1/2	4,274.07	1/2	3,930.38	1/2	3,586.72	1/2	3,243.13	1/2	2,899.49
3/4		3/4		3/4		3/4	4,951.03	3/4	4,609.28	3/4	4,266.91	3/4	3,923.22	3/4	3,579.56	3/4	3,235.97	3/4	2,892.33
8		8		8		8	4,943.95	8	4,602.15	8	4,259.74	8	3,916.06	8	3,572.40	8	3,228.81	8	2,885.17
1/4		1/4		1/4		1/4	4,936.87	1/4	4,595.02	1/4	4,252.58	1/4	3,908.90	1/4	3,565.24	1/4	3,221.65	1/4	2,878.01
1/2		1/2		1/2		1/2	4,929.79	1/2	4,587.89	1/2	4,245.42	1/2	3,901.73	1/2	3,558.08	1/2	3,214.50	1/2	2,870.85
3/4		3/4		3/4		3/4	4,922.70	3/4	4,580.77	3/4	4,238.26	3/4	3,894.57	3/4	3,550.93	3/4	3,207.34	3/4	2,863.69
9		9		9		9	4,915.62	9	4,573.64	9	4,231.10	9	3,887.41	9	3,543.77	9	3,200.18	9	2,856.53
1/4		1/4		1/4		1/4	4,908.54	1/4	4,566.51	1/4	4,223.94	1/4	3,880.25	1/4	3,536.61	1/4	3,193.02	1/4	2,849.37
1/2		1/2		1/2		1/2	4,901.43	1/2	4,559.38	1/2	4,216.78	1/2	3,873.09	1/2	3,529.45	1/2	3,185.86	1/2	2,842.21
3/4		3/4		3/4		3/4	4,894.33	3/4	4,552.26	3/4	4,209.62	3/4	3,865.93	3/4	3,522.29	3/4	3,178.70	3/4	2,835.04
10		10		10		10	4,887.22	10	4,545.13	10	4,202.46	10	3,858.77	10	3,515.14	10	3,171.55	10	2,827.88
1/4		1/4		1/4		1/4	4,880.12	1/4	4,538.00	1/4	4,195.30	1/4	3,851.61	1/4	3,507.98	1/4	3,164.39	1/4	2,820.72
1/2		1/2		1/2		1/2	4,872.99	1/2	4,530.87	1/2	4,188.14	1/2	3,844.45	1/2	3,500.82	1/2	3,157.23	1/2	2,813.56
3/4		3/4		3/4		3/4	4,865.86	3/4	4,523.75	3/4	4,180.98	3/4	3,837.29	3/4	3,493.66	3/4	3,150.07	3/4	2,806.40
11		11		11		11	4,858.74	11	4,516.62	11	4,173.82	11	3,830.13	11	3,486.50	11	3,142.91	11	2,799.24
1/4		1/4		1/4		1/4	5,112.59	1/4	4,851.61	1/4	4,509.49	1/4	4,166.66	1/4	3,822.97	1/4	3,479.34	1/4	2,792.08
1/2		1/2		1/2		1/2	5,111.66	1/2	4,844.48	1/2	4,502.37	1/2	4,159.50	1/2	3,815.81	1/2	3,472.19	1/2	2,784.92
3/4		3/4		3/4		3/4	5,110.73	3/4	4,837.35	3/4	4,495.24	3/4	4,152.34	3/4	3,808.65	3/4	3,465.03	3/4	2,777.76

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

2 STBD ULLAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,770.60	0	2,426.92	0	2,083.23	0	1,739.55	0	1,395.86	0	1,052.27	0	708.99	0	365.32	0	29.00	0	
1/4	2,763.44	1/4	2,419.76	1/4	2,076.07	1/4	1,732.39	1/4	1,388.70	1/4	1,045.13	1/4	701.83	1/4	358.16	1/4	23.64	1/4	
1/2	2,756.28	1/2	2,412.60	1/2	2,068.91	1/2	1,725.23	1/2	1,381.54	1/2	1,037.98	1/2	694.67	1/2	351.00	1/2	20.06	1/2	
3/4	2,749.12	3/4	2,405.44	3/4	2,061.75	3/4	1,718.07	3/4	1,374.38	3/4	1,030.83	3/4	687.51	3/4	343.84	3/4	16.48	3/4	
1	2,741.96	1	2,398.28	1	2,054.59	1	1,710.91	1	1,367.22	1	1,023.69	1	680.35	1	336.68	1	12.90	1	
1/4	2,734.80	1/4	2,391.12	1/4	2,047.43	1/4	1,703.75	1/4	1,360.06	1/4	1,016.54	1/4	673.19	1/4	329.52	1/4	9.32	1/4	
1/2	2,727.64	1/2	2,383.96	1/2	2,040.27	1/2	1,696.59	1/2	1,352.90	1/2	1,009.40	1/2	666.03	1/2	322.36	1/2	7.53	1/2	
3/4	2,720.48	3/4	2,376.80	3/4	2,033.11	3/4	1,689.43	3/4	1,345.74	3/4	1,002.25	3/4	658.87	3/4	315.20	3/4	5.74	3/4	
2	2,713.32	2	2,369.64	2	2,025.95	2	1,682.27	2	1,338.58	2	995.10	2	651.71	2	308.04	2	3.95	2	
1/4	2,706.16	1/4	2,362.48	1/4	2,018.79	1/4	1,675.11	1/4	1,331.42	1/4	987.96	1/4	644.55	1/4	300.88	1/4	2.16	1/4	
1/2	2,699.00	1/2	2,355.32	1/2	2,011.63	1/2	1,667.95	1/2	1,324.26	1/2	980.81	1/2	637.39	1/2	293.72	1/2		1/2	
3/4	2,691.84	3/4	2,348.16	3/4	2,004.47	3/4	1,660.79	3/4	1,317.10	3/4	973.67	3/4	630.23	3/4	286.56	3/4		3/4	
3	2,684.68	3	2,341.00	3	1,997.31	3	1,653.63	3	1,309.94	3	966.52	3	623.07	3	279.40	3		3	
1/4	2,677.52	1/4	2,333.84	1/4	1,990.15	1/4	1,646.47	1/4	1,302.78	1/4	959.37	1/4	615.91	1/4	272.24	1/4		1/4	
1/2	2,670.36	1/2	2,326.68	1/2	1,982.99	1/2	1,639.31	1/2	1,295.62	1/2	952.23	1/2	608.75	1/2	265.08	1/2		1/2	
3/4	2,663.20	3/4	2,319.52	3/4	1,975.83	3/4	1,632.15	3/4	1,288.46	3/4	945.08	3/4	601.59	3/4	257.92	3/4		3/4	
4	2,656.04	4	2,312.36	4	1,968.67	4	1,624.99	4	1,281.30	4	937.94	4	594.43	4	250.76	4		4	
1/4	2,648.88	1/4	2,305.20	1/4	1,961.51	1/4	1,617.83	1/4	1,274.14	1/4	930.79	1/4	587.27	1/4	243.60	1/4		1/4	
1/2	2,641.72	1/2	2,298.04	1/2	1,954.35	1/2	1,610.67	1/2	1,266.98	1/2	923.64	1/2	580.11	1/2	236.44	1/2		1/2	
3/4	2,634.56	3/4	2,290.88	3/4	1,947.19	3/4	1,603.51	3/4	1,259.82	3/4	916.50	3/4	572.95	3/4	229.28	3/4		3/4	
5	2,627.40	5	2,283.72	5	1,940.03	5	1,596.35	5	1,252.66	5	909.35	5	565.79	5	222.12	5		5	
1/4	2,620.24	1/4	2,276.56	1/4	1,932.87	1/4	1,589.19	1/4	1,245.50	1/4	902.21	1/4	558.63	1/4	214.96	1/4		1/4	
1/2	2,613.08	1/2	2,269.40	1/2	1,925.71	1/2	1,582.03	1/2	1,238.34	1/2	895.06	1/2	551.47	1/2	207.80	1/2		1/2	
3/4	2,605.92	3/4	2,262.24	3/4	1,918.55	3/4	1,574.87	3/4	1,231.18	3/4	887.92	3/4	544.31	3/4	200.64	3/4		3/4	
6	2,598.76	6	2,255.08	6	1,911.39	6	1,567.71	6	1,224.02	6	880.77	6	537.15	6	193.48	6		6	
1/4	2,591.60	1/4	2,247.92	1/4	1,904.23	1/4	1,560.55	1/4	1,216.86	1/4	873.62	1/4	529.99	1/4	186.32	1/4		1/4	
1/2	2,584.44	1/2	2,240.76	1/2	1,897.07	1/2	1,553.39	1/2	1,209.70	1/2	866.47	1/2	522.83	1/2	179.16	1/2		1/2	
3/4	2,577.28	3/4	2,233.60	3/4	1,889.91	3/4	1,546.23	3/4	1,202.54	3/4	859.32	3/4	515.68	3/4	172.00	3/4		3/4	
7	2,570.12	7	2,226.44	7	1,882.75	7	1,539.07	7	1,195.38	7	852.17	7	508.52	7	164.84	7		7	
1/4	2,562.96	1/4	2,219.28	1/4	1,875.59	1/4	1,531.91	1/4	1,188.22	1/4	845.02	1/4	501.36	1/4	157.69	1/4		1/4	
1/2	2,555.80	1/2	2,212.12	1/2	1,868.43	1/2	1,524.75	1/2	1,181.06	1/2	837.86	1/2	494.20	1/2	150.53	1/2		1/2	
3/4	2,548.64	3/4	2,204.96	3/4	1,861.27	3/4	1,517.59	3/4	1,173.90	3/4	830.71	3/4	487.04	3/4	143.37	3/4		3/4	
8	2,541.48	8	2,197.80	8	1,854.11	8	1,510.43	8	1,166.74	8	823.55	8	479.88	8	136.21	8		8	
1/4	2,534.32	1/4	2,190.64	1/4	1,846.95	1/4	1,503.27	1/4	1,159.58	1/4	816.39	1/4	472.72	1/4	129.05	1/4		1/4	
1/2	2,527.16	1/2	2,183.48	1/2	1,839.79	1/2	1,496.11	1/2	1,152.42	1/2	809.23	1/2	465.56	1/2	121.89	1/2		1/2	
3/4	2,520.00	3/4	2,176.32	3/4	1,832.63	3/4	1,488.95	3/4	1,145.26	3/4	802.07	3/4	458.40	3/4	114.74	3/4		3/4	
9	2,512.84	9	2,169.16	9	1,825.47	9	1,481.79	9	1,138.10	9	794.91	9	451.24	9	107.59	9		9	
1/4	2,505.68	1/4	2,162.00	1/4	1,818.31	1/4	1,474.63	1/4	1,130.94	1/4	787.75	1/4	444.08	1/4	100.43	1/4		1/4	
1/2	2,498.52	1/2	2,154.84	1/2	1,811.15	1/2	1,467.47	1/2	1,123.78	1/2	780.59	1/2	436.92	1/2	93.30	1/2		1/2	
3/4	2,491.36	3/4	2,147.68	3/4	1,803.99	3/4	1,460.31	3/4	1,116.63	3/4	773.43	3/4	429.76	3/4	86.16	3/4		3/4	
10	2,484.20	10	2,140.52	10	1,796.83	10	1,453.15	10	1,109.47	10	766.27	10	422.60	10	79.02	10		10	
1/4	2,477.04	1/4	2,133.36	1/4	1,789.67	1/4	1,445.99	1/4	1,102.31	1/4	759.11	1/4	415.44	1/4	71.89	1/4		1/4	
1/2	2,469.88	1/2	2,126.20	1/2	1,782.51	1/2	1,438.83	1/2	1,095.16	1/2	751.95	1/2	408.28	1/2	65.19	1/2		1/2	
3/4	2,462.72	3/4	2,119.03	3/4	1,775.35	3/4	1,431.67	3/4	1,088.01	3/4	744.79	3/4	401.12	3/4	58.50	3/4		3/4	
11	2,455.56	11	2,111.87	11	1,768.19	11	1,424.51	11	1,080.86	11	737.63	11	393.96	11	51.81	11		11	
1/4	2,448.40	1/4	2,104.71	1/4	1,761.03	1/4	1,417.35	1/4	1,073.71	1/4	730.47	1/4	386.80	1/4	45.11	1/4		1/4	
1/2	2,441.24	1/2	2,097.55	1/2	1,753.87	1/2	1,410.19	1/2	1,066.56	1/2	723.31	1/2	379.64	1/2	39.74	1/2		1/2	
3/4	2,434.08	3/4	2,090.39	3/4	1,746.71	3/4	1,403.02	3/4	1,059.42	3/4	716.15	3/4	372.48	3/4	34.37	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

3 PORT
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,400.07	0	4,233.81	0	4,024.80	0	3,815.32	0	3,605.40	0	3,395.99	0	3,085.37
1/4		1/4		1/4		1/4	4,398.99	1/4	4,229.45	1/4	4,020.45	1/4	3,810.95	1/4	3,601.02	1/4	3,391.64	1/4	3,078.25
1/2		1/2		1/2		1/2	4,397.28	1/2	4,225.10	1/2	4,016.09	1/2	3,806.57	1/2	3,596.65	1/2	3,387.29	1/2	3,071.14
3/4		3/4		3/4		3/4	4,395.57	3/4	4,220.75	3/4	4,011.74	3/4	3,802.20	3/4	3,592.28	3/4	3,382.94	3/4	3,064.02
1		1		1		1	4,393.87	1	4,216.39	1	4,007.38	1	3,797.83	1	3,587.90	1	3,378.59	1	3,056.90
1/4		1/4		1/4		1/4	4,392.16	1/4	4,212.04	1/4	4,003.03	1/4	3,793.45	1/4	3,583.53	1/4	3,374.24	1/4	3,049.78
1/2		1/2		1/2		1/2	4,390.45	1/2	4,207.68	1/2	3,998.68	1/2	3,789.08	1/2	3,579.16	1/2	3,369.90	1/2	3,042.66
3/4		3/4		3/4		3/4	4,388.74	3/4	4,203.33	3/4	3,994.32	3/4	3,784.71	3/4	3,574.78	3/4	3,365.56	3/4	3,035.53
2		2		2		2	4,387.03	2	4,198.97	2	3,989.97	2	3,780.33	2	3,570.41	2	3,361.22	2	3,028.40
1/4		1/4		1/4		1/4	4,385.32	1/4	4,194.62	1/4	3,985.61	1/4	3,775.96	1/4	3,566.04	1/4	3,356.88	1/4	3,021.28
1/2		1/2		1/2		1/2	4,383.35	1/2	4,190.26	1/2	3,981.26	1/2	3,771.59	1/2	3,561.66	1/2	3,351.16	1/2	3,014.14
3/4		3/4		3/4		3/4	4,381.37	3/4	4,185.91	3/4	3,976.90	3/4	3,767.21	3/4	3,557.29	3/4	3,345.44	3/4	3,007.01
3		3		3		3	4,379.39	3	4,181.56	3	3,972.55	3	3,762.84	3	3,552.92	3	3,339.72	3	2,999.88
1/4		1/4		1/4		1/4	4,377.41	1/4	4,177.20	1/4	3,968.20	1/4	3,758.46	1/4	3,548.54	1/4	3,334.00	1/4	2,992.74
1/2		1/2		1/2		1/2	4,374.57	1/2	4,172.85	1/2	3,963.84	1/2	3,754.09	1/2	3,544.18	1/2	3,326.90	1/2	2,985.61
3/4		3/4		3/4		3/4	4,371.73	3/4	4,168.49	3/4	3,959.49	3/4	3,749.72	3/4	3,539.81	3/4	3,319.80	3/4	2,978.47
4		4		4		4	4,368.89	4	4,164.14	4	3,955.13	4	3,745.34	4	3,535.44	4	3,312.69	4	2,971.34
1/4		1/4		1/4		1/4	4,366.05	1/4	4,159.78	1/4	3,950.78	1/4	3,740.97	1/4	3,531.08	1/4	3,305.59	1/4	2,964.21
1/2		1/2		1/2		1/2	4,362.21	1/2	4,155.43	1/2	3,946.42	1/2	3,736.60	1/2	3,526.72	1/2	3,298.49	1/2	2,957.07
3/4		3/4		3/4		3/4	4,358.36	3/4	4,151.08	3/4	3,942.07	3/4	3,732.22	3/4	3,522.36	3/4	3,291.39	3/4	2,949.94
5		5		5		5	4,354.52	5	4,146.72	5	3,937.72	5	3,727.85	5	3,518.01	5	3,284.28	5	2,942.80
1/4		1/4		1/4		1/4	4,350.67	1/4	4,142.37	1/4	3,933.36	1/4	3,723.48	1/4	3,513.65	1/4	3,277.18	1/4	2,935.67
1/2		1/2		1/2		1/2	4,346.38	1/2	4,138.01	1/2	3,929.00	1/2	3,719.10	1/2	3,509.29	1/2	3,270.08	1/2	2,928.54
3/4		3/4		3/4		3/4	4,342.10	3/4	4,133.66	3/4	3,924.63	3/4	3,714.73	3/4	3,504.93	3/4	3,262.98	3/4	2,921.41
6		6		6		6	4,337.81	6	4,129.30	6	3,920.27	6	3,710.36	6	3,500.58	6	3,255.88	6	2,914.28
1/4		1/4		1/4		1/4	4,333.53	1/4	4,124.95	1/4	3,915.91	1/4	3,705.98	1/4	3,496.22	1/4	3,248.78	1/4	2,907.16
1/2		1/2		1/2		1/2	4,329.21	1/2	4,120.60	1/2	3,911.53	1/2	3,701.61	1/2	3,491.86	1/2	3,241.68	1/2	2,900.03
3/4		3/4		3/4		3/4	4,324.89	3/4	4,116.24	3/4	3,907.16	3/4	3,697.24	3/4	3,487.50	3/4	3,234.58	3/4	2,892.91
7		7		7		7	4,320.57	7	4,111.89	7	3,902.79	7	3,692.86	7	3,483.15	7	3,227.47	7	2,885.79
1/4		1/4		1/4		1/4	4,316.26	1/4	4,107.53	1/4	3,898.41	1/4	3,688.49	1/4	3,478.79	1/4	3,220.37	1/4	2,878.67
1/2		1/2		1/2		1/2	4,311.93	1/2	4,103.18	1/2	3,894.04	1/2	3,684.12	1/2	3,474.43	1/2	3,213.27	1/2	2,871.55
3/4		3/4		3/4		3/4	4,307.61	3/4	4,098.82	3/4	3,889.67	3/4	3,679.74	3/4	3,470.07	3/4	3,206.17	3/4	2,864.42
8		8		8		8	4,303.28	8	4,094.47	8	3,885.29	8	3,675.37	8	3,465.71	8	3,199.07	8	2,857.30
1/4		1/4		1/4		1/4	4,298.96	1/4	4,090.12	1/4	3,880.92	1/4	3,671.00	1/4	3,461.36	1/4	3,191.97	1/4	2,850.18
1/2		1/2		1/2		1/2	4,294.63	1/2	4,085.76	1/2	3,876.55	1/2	3,666.62	1/2	3,457.00	1/2	3,184.87	1/2	2,843.06
3/4		3/4		3/4		3/4	4,290.30	3/4	4,081.41	3/4	3,872.17	3/4	3,662.25	3/4	3,452.64	3/4	3,177.77	3/4	2,835.93
9		9		9		9	4,285.98	9	4,077.05	9	3,867.80	9	3,657.88	9	3,448.28	9	3,170.67	9	2,828.81
1/4		1/4		1/4		1/4	4,281.65	1/4	4,072.70	1/4	3,863.43	1/4	3,653.50	1/4	3,443.93	1/4	3,163.57	1/4	2,821.69
1/2		1/2		1/2		1/2	4,277.31	1/2	4,068.34	1/2	3,859.05	1/2	3,649.13	1/2	3,439.57	1/2	3,156.47	1/2	2,814.57
3/4		3/4		3/4		3/4	4,272.97	3/4	4,063.99	3/4	3,854.68	3/4	3,644.76	3/4	3,435.21	3/4	3,149.37	3/4	2,807.45
10		10		10		10	4,268.63	10	4,059.64	10	3,850.31	10	3,640.38	10	3,430.85	10	3,142.27	10	2,800.32
1/4		1/4		1/4		1/4	4,264.29	1/4	4,055.28	1/4	3,845.93	1/4	3,636.01	1/4	3,426.50	1/4	3,135.16	1/4	2,793.20
1/2		1/2		1/2		1/2	4,259.93	1/2	4,050.93	1/2	3,841.56	1/2	3,631.64	1/2	3,422.14	1/2	3,128.05	1/2	2,786.08
3/4		3/4		3/4		3/4	4,255.58	3/4	4,046.57	3/4	3,837.19	3/4	3,627.26	3/4	3,417.78	3/4	3,120.95	3/4	2,778.96
11		11		11		11	4,251.23	11	4,042.22	11	3,832.81	11	3,622.89	11	3,413.42	11	3,113.84	11	2,771.83
1/4		1/4		1/4	4,403.30	1/4	4,246.87	1/4	4,037.86	1/4	3,828.44	1/4	3,618.52	1/4	3,409.07	1/4	3,106.73	1/4	2,764.71
1/2		1/2		1/2	4,402.22	1/2	4,242.52	1/2	4,033.51	1/2	3,824.07	1/2	3,614.14	1/2	3,404.71	1/2	3,099.61	1/2	2,757.59
3/4		3/4		3/4	4,401.15	3/4	4,238.16	3/4	4,029.16	3/4	3,819.69	3/4	3,609.77	3/4	3,400.35	3/4	3,092.49	3/4	2,750.47

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320"

formerly the
BARGE "FMT 3320"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,743.35	0	2,401.47	0	2,059.56	0	1,717.65	0	1,375.75	0	1,037.52	0	706.09	0	364.10	0	28.91	0	
1/4	2,736.22	1/4	2,394.35	1/4	2,052.44	1/4	1,710.53	1/4	1,368.62	1/4	1,030.71	1/4	698.96	1/4	356.97	1/4	23.56	1/4	
1/2	2,729.10	1/2	2,387.23	1/2	2,045.32	1/2	1,703.41	1/2	1,361.50	1/2	1,023.89	1/2	691.84	1/2	349.83	1/2	19.99	1/2	
3/4	2,721.98	3/4	2,380.10	3/4	2,038.19	3/4	1,696.29	3/4	1,354.38	3/4	1,017.08	3/4	684.71	3/4	342.70	3/4	16.42	3/4	
1	2,714.86	1	2,372.98	1	2,031.07	1	1,689.16	1	1,347.25	1	1,010.26	1	677.59	1	335.56	1	12.85	1	
1/4	2,707.73	1/4	2,365.86	1/4	2,023.95	1/4	1,682.04	1/4	1,340.13	1/4	1,003.45	1/4	670.46	1/4	328.42	1/4	9.29	1/4	
1/2	2,700.61	1/2	2,358.73	1/2	2,016.82	1/2	1,674.92	1/2	1,333.01	1/2	996.64	1/2	663.34	1/2	321.29	1/2	7.50	1/2	
3/4	2,693.49	3/4	2,351.61	3/4	2,009.70	3/4	1,667.79	3/4	1,325.88	3/4	989.82	3/4	656.22	3/4	314.15	3/4	5.72	3/4	
2	2,686.37	2	2,344.49	2	2,002.58	2	1,660.67	2	1,318.76	2	983.01	2	649.09	2	307.02	2	3.93	2	
1/4	2,679.25	1/4	2,337.36	1/4	1,995.46	1/4	1,653.55	1/4	1,311.64	1/4	976.20	1/4	641.97	1/4	299.88	1/4	2.15	1/4	
1/2	2,672.12	1/2	2,330.24	1/2	1,988.33	1/2	1,646.42	1/2	1,304.51	1/2	969.38	1/2	634.84	1/2	292.74	1/2		1/2	
3/4	2,665.00	3/4	2,323.12	3/4	1,981.21	3/4	1,639.30	3/4	1,297.39	3/4	962.57	3/4	627.72	3/4	285.61	3/4		3/4	
3	2,657.88	3	2,316.00	3	1,974.09	3	1,632.18	3	1,290.27	3	955.76	3	620.59	3	278.47	3		3	
1/4	2,650.76	1/4	2,308.87	1/4	1,966.96	1/4	1,625.05	1/4	1,283.15	1/4	948.94	1/4	613.47	1/4	271.34	1/4		1/4	
1/2	2,643.64	1/2	2,301.75	1/2	1,959.84	1/2	1,617.93	1/2	1,276.02	1/2	942.13	1/2	606.35	1/2	264.20	1/2		1/2	
3/4	2,636.51	3/4	2,294.63	3/4	1,952.72	3/4	1,610.81	3/4	1,268.90	3/4	935.32	3/4	599.22	3/4	257.06	3/4		3/4	
4	2,629.39	4	2,287.50	4	1,945.59	4	1,603.69	4	1,261.78	4	928.50	4	592.10	4	249.93	4		4	
1/4	2,622.27	1/4	2,280.38	1/4	1,938.47	1/4	1,596.56	1/4	1,254.65	1/4	921.69	1/4	584.97	1/4	242.79	1/4		1/4	
1/2	2,615.15	1/2	2,273.26	1/2	1,931.35	1/2	1,589.44	1/2	1,247.53	1/2	914.88	1/2	577.85	1/2	235.66	1/2		1/2	
3/4	2,608.02	3/4	2,266.13	3/4	1,924.22	3/4	1,582.32	3/4	1,240.41	3/4	908.06	3/4	570.72	3/4	228.52	3/4		3/4	
5	2,600.90	5	2,259.01	5	1,917.10	5	1,575.19	5	1,233.28	5	901.25	5	563.60	5	221.38	5		5	
1/4	2,593.78	1/4	2,251.89	1/4	1,909.98	1/4	1,568.07	1/4	1,226.16	1/4	894.44	1/4	556.47	1/4	214.25	1/4		1/4	
1/2	2,586.66	1/2	2,244.76	1/2	1,902.86	1/2	1,560.95	1/2	1,219.04	1/2	887.62	1/2	549.35	1/2	207.11	1/2		1/2	
3/4	2,579.54	3/4	2,237.64	3/4	1,895.73	3/4	1,553.82	3/4	1,211.91	3/4	880.81	3/4	542.23	3/4	199.98	3/4		3/4	
6	2,572.41	6	2,230.52	6	1,888.61	6	1,546.70	6	1,204.79	6	874.00	6	535.10	6	192.84	6		6	
1/4	2,565.29	1/4	2,223.39	1/4	1,881.49	1/4	1,539.58	1/4	1,197.67	1/4	867.18	1/4	527.98	1/4	185.70	1/4		1/4	
1/2	2,558.17	1/2	2,216.27	1/2	1,874.36	1/2	1,532.45	1/2	1,190.55	1/2	860.37	1/2	520.85	1/2	178.57	1/2		1/2	
3/4	2,551.05	3/4	2,209.15	3/4	1,867.24	3/4	1,525.33	3/4	1,183.42	3/4	853.55	3/4	513.73	3/4	171.43	3/4		3/4	
7	2,543.92	7	2,202.03	7	1,860.12	7	1,518.21	7	1,176.30	7	846.73	7	506.60	7	164.30	7		7	
1/4	2,536.80	1/4	2,194.90	1/4	1,852.99	1/4	1,511.08	1/4	1,169.18	1/4	839.92	1/4	499.48	1/4	157.16	1/4		1/4	
1/2	2,529.68	1/2	2,187.78	1/2	1,845.87	1/2	1,503.96	1/2	1,162.05	1/2	833.06	1/2	492.35	1/2	150.02	1/2		1/2	
3/4	2,522.56	3/4	2,180.66	3/4	1,838.75	3/4	1,496.84	3/4	1,154.93	3/4	826.20	3/4	485.23	3/4	142.89	3/4		3/4	
8	2,515.44	8	2,173.53	8	1,831.62	8	1,489.72	8	1,147.81	8	819.34	8	478.11	8	135.75	8		8	
1/4	2,508.31	1/4	2,166.41	1/4	1,824.50	1/4	1,482.59	1/4	1,140.68	1/4	812.49	1/4	470.98	1/4	128.62	1/4		1/4	
1/2	2,501.19	1/2	2,159.29	1/2	1,817.38	1/2	1,475.47	1/2	1,133.68	1/2	805.48	1/2	463.86	1/2	121.49	1/2		1/2	
3/4	2,494.07	3/4	2,152.16	3/4	1,810.26	3/4	1,468.35	3/4	1,126.67	3/4	798.47	3/4	456.73	3/4	114.36	3/4		3/4	
9	2,486.95	9	2,145.04	9	1,803.13	9	1,461.22	9	1,119.66	9	791.46	9	449.61	9	107.23	9		9	
1/4	2,479.83	1/4	2,137.92	1/4	1,796.01	1/4	1,454.10	1/4	1,112.65	1/4	784.46	1/4	442.48	1/4	100.10	1/4		1/4	
1/2	2,472.70	1/2	2,130.79	1/2	1,788.89	1/2	1,446.98	1/2	1,105.80	1/2	777.33	1/2	435.36	1/2	92.99	1/2		1/2	
3/4	2,465.58	3/4	2,123.67	3/4	1,781.76	3/4	1,439.85	3/4	1,098.94	3/4	770.21	3/4	428.24	3/4	85.87	3/4		3/4	
10	2,458.46	10	2,116.55	10	1,774.64	10	1,432.73	10	1,092.08	10	763.08	10	421.11	10	78.76	10		10	
1/4	2,451.33	1/4	2,109.43	1/4	1,767.52	1/4	1,425.61	1/4	1,085.23	1/4	755.96	1/4	413.99	1/4	71.65	1/4		1/4	
1/2	2,444.21	1/2	2,102.30	1/2	1,760.39	1/2	1,418.48	1/2	1,078.41	1/2	748.83	1/2	406.86	1/2	64.98	1/2		1/2	
3/4	2,437.09	3/4	2,095.18	3/4	1,753.27	3/4	1,411.36	3/4	1,071.59	3/4	741.71	3/4	399.74	3/4	58.30	3/4		3/4	
11	2,429.96	11	2,088.06	11	1,746.15	11	1,404.24	11	1,064.78	11	734.58	11	392.61	11	51.63	11		11	
1/4	2,422.84	1/4	2,080.93	1/4	1,739.02	1/4	1,397.12	1/4	1,057.96	1/4	727.46	1/4	385.49	1/4	44.96	1/4		1/4	
1/2	2,415.72	1/2	2,073.81	1/2	1,731.90	1/2	1,389.99	1/2	1,051.15	1/2	720.34	1/2	378.36	1/2	39.61	1/2		1/2	
3/4	2,408.60	3/4	2,066.69	3/4	1,724.78	3/4	1,382.87	3/4	1,044.33	3/4	713.21	3/4	371.23	3/4	34.26	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
CALCULATED: 08/13/2020 CL
PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3320"
formerly the
BARGE "FMT 3320"

3 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,418.17	0	4,248.48	0	4,039.29	0	3,829.61	0	3,619.51	0	3,409.41	0	3,095.96
1/4		1/4		1/4		1/4	4,416.46	1/4	4,244.12	1/4	4,034.93	1/4	3,825.23	1/4	3,615.13	1/4	3,405.05	1/4	3,088.84
1/2		1/2		1/2		1/2	4,414.75	1/2	4,239.76	1/2	4,030.58	1/2	3,820.86	1/2	3,610.76	1/2	3,400.69	1/2	3,081.72
3/4		3/4		3/4		3/4	4,413.04	3/4	4,235.40	3/4	4,026.22	3/4	3,816.48	3/4	3,606.38	3/4	3,396.33	3/4	3,074.60
1		1		1		1	4,411.33	1	4,231.04	1	4,021.86	1	3,812.10	1	3,602.00	1	3,391.97	1	3,067.48
1/4		1/4		1/4		1/4	4,409.62	1/4	4,226.69	1/4	4,017.50	1/4	3,807.73	1/4	3,597.62	1/4	3,387.63	1/4	3,060.37
1/2		1/2		1/2		1/2	4,407.91	1/2	4,222.33	1/2	4,013.14	1/2	3,803.35	1/2	3,593.25	1/2	3,383.29	1/2	3,053.25
3/4		3/4		3/4		3/4	4,406.20	3/4	4,217.97	3/4	4,008.79	3/4	3,798.97	3/4	3,588.87	3/4	3,378.95	3/4	3,046.13
2		2		2		2	4,404.49	2	4,213.61	2	4,004.43	2	3,794.59	2	3,584.49	2	3,374.61	2	3,039.01
1/4		1/4		1/4		1/4	4,402.51	1/4	4,209.25	1/4	4,000.07	1/4	3,790.22	1/4	3,580.12	1/4	3,368.88	1/4	3,031.89
1/2		1/2		1/2		1/2	4,400.53	1/2	4,204.90	1/2	3,995.71	1/2	3,785.84	1/2	3,575.74	1/2	3,363.16	1/2	3,024.77
3/4		3/4		3/4		3/4	4,398.55	3/4	4,200.54	3/4	3,991.35	3/4	3,781.46	3/4	3,571.36	3/4	3,357.44	3/4	3,017.65
3		3		3		3	4,396.57	3	4,198.18	3	3,987.00	3	3,777.09	3	3,566.98	3	3,351.72	3	3,010.53
1/4		1/4		1/4		1/4	4,393.73	1/4	4,191.82	1/4	3,982.64	1/4	3,772.71	1/4	3,562.61	1/4	3,344.62	1/4	3,003.41
1/2		1/2		1/2		1/2	4,390.88	1/2	4,187.46	1/2	3,978.28	1/2	3,768.33	1/2	3,558.23	1/2	3,337.52	1/2	2,996.30
3/4		3/4		3/4		3/4	4,388.04	3/4	4,183.11	3/4	3,973.92	3/4	3,763.95	3/4	3,553.85	3/4	3,330.42	3/4	2,989.18
4		4		4		4	4,385.20	4	4,178.75	4	3,969.56	4	3,759.58	4	3,549.48	4	3,323.31	4	2,982.06
1/4		1/4		1/4		1/4	4,381.35	1/4	4,174.39	1/4	3,965.21	1/4	3,755.20	1/4	3,545.10	1/4	3,316.21	1/4	2,974.94
1/2		1/2		1/2		1/2	4,377.50	1/2	4,170.03	1/2	3,960.85	1/2	3,750.82	1/2	3,540.72	1/2	3,309.11	1/2	2,967.82
3/4		3/4		3/4		3/4	4,373.65	3/4	4,165.67	3/4	3,956.49	3/4	3,746.45	3/4	3,536.35	3/4	3,302.01	3/4	2,960.70
5		5		5		5	4,369.80	5	4,161.32	5	3,952.13	5	3,742.07	5	3,531.97	5	3,294.91	5	2,953.58
1/4		1/4		1/4		1/4	4,365.51	1/4	4,156.96	1/4	3,947.76	1/4	3,737.69	1/4	3,527.59	1/4	3,287.81	1/4	2,946.46
1/2		1/2		1/2		1/2	4,361.22	1/2	4,152.60	1/2	3,943.40	1/2	3,733.31	1/2	3,523.21	1/2	3,280.70	1/2	2,939.34
3/4		3/4		3/4		3/4	4,356.93	3/4	4,148.24	3/4	3,939.03	3/4	3,728.94	3/4	3,518.84	3/4	3,273.60	3/4	2,932.23
6		6		6		6	4,352.64	6	4,143.88	6	3,934.66	6	3,724.56	6	3,514.46	6	3,266.50	6	2,925.11
1/4		1/4		1/4		1/4	4,348.32	1/4	4,139.53	1/4	3,930.28	1/4	3,720.18	1/4	3,510.08	1/4	3,259.40	1/4	2,917.99
1/2		1/2		1/2		1/2	4,344.00	1/2	4,135.17	1/2	3,925.91	1/2	3,715.81	1/2	3,505.71	1/2	3,252.30	1/2	2,910.87
3/4		3/4		3/4		3/4	4,339.68	3/4	4,130.81	3/4	3,921.53	3/4	3,711.43	3/4	3,501.33	3/4	3,245.20	3/4	2,903.75
7		7		7		7	4,335.35	7	4,126.45	7	3,917.15	7	3,707.05	7	3,496.95	7	3,238.10	7	2,896.63
1/4		1/4		1/4		1/4	4,331.03	1/4	4,122.09	1/4	3,912.78	1/4	3,702.67	1/4	3,492.57	1/4	3,230.99	1/4	2,889.51
1/2		1/2		1/2		1/2	4,326.70	1/2	4,117.74	1/2	3,908.40	1/2	3,698.30	1/2	3,488.20	1/2	3,223.89	1/2	2,882.39
3/4		3/4		3/4		3/4	4,322.37	3/4	4,113.38	3/4	3,904.02	3/4	3,693.92	3/4	3,483.82	3/4	3,216.79	3/4	2,875.27
8		8		8		8	4,318.04	8	4,109.02	8	3,899.64	8	3,689.54	8	3,479.44	8	3,209.69	8	2,868.16
1/4		1/4		1/4		1/4	4,313.71	1/4	4,104.66	1/4	3,895.27	1/4	3,685.17	1/4	3,475.07	1/4	3,202.59	1/4	2,861.04
1/2		1/2		1/2		1/2	4,309.38	1/2	4,100.30	1/2	3,890.89	1/2	3,680.79	1/2	3,470.69	1/2	3,195.49	1/2	2,853.92
3/4		3/4		3/4		3/4	4,305.05	3/4	4,095.95	3/4	3,886.51	3/4	3,676.41	3/4	3,466.31	3/4	3,188.38	3/4	2,846.80
9		9		9		9	4,300.72	9	4,091.59	9	3,882.14	9	3,672.04	9	3,461.93	9	3,181.28	9	2,839.68
1/4		1/4		1/4		1/4	4,296.37	1/4	4,087.23	1/4	3,877.76	1/4	3,667.66	1/4	3,457.56	1/4	3,174.18	1/4	2,832.56
1/2		1/2		1/2		1/2	4,292.03	1/2	4,082.87	1/2	3,873.38	1/2	3,663.28	1/2	3,453.18	1/2	3,167.08	1/2	2,825.44
3/4		3/4		3/4		3/4	4,287.68	3/4	4,078.51	3/4	3,869.00	3/4	3,658.90	3/4	3,448.80	3/4	3,159.98	3/4	2,818.32
10		10		10		10	4,283.34	10	4,074.16	10	3,864.63	10	3,654.53	10	3,444.43	10	3,152.88	10	2,811.20
1/4		1/4		1/4		1/4	4,278.98	1/4	4,069.80	1/4	3,860.25	1/4	3,650.15	1/4	3,440.05	1/4	3,145.77	1/4	2,804.09
1/2		1/2		1/2		1/2	4,274.62	1/2	4,065.44	1/2	3,855.87	1/2	3,645.77	1/2	3,435.67	1/2	3,138.66	1/2	2,796.97
3/4		3/4		3/4		3/4	4,270.27	3/4	4,061.08	3/4	3,851.50	3/4	3,641.40	3/4	3,431.29	3/4	3,131.55	3/4	2,789.85
11		11		11	4,422.48	11	4,265.91	11	4,056.72	11	3,847.12	11	3,637.02	11	3,426.92	11	3,124.44	11	2,782.73
1/4		1/4		1/4	4,421.40	1/4	4,261.55	1/4	4,052.37	1/4	3,842.74	1/4	3,632.64	1/4	3,422.54	1/4	3,117.32	1/4	2,775.61
1/2		1/2		1/2	4,420.32	1/2	4,257.19	1/2	4,048.01	1/2	3,838.36	1/2	3,628.26	1/2	3,418.16	1/2	3,110.20	1/2	2,768.49
3/4		3/4		3/4	4,419.25	3/4	4,252.83	3/4	4,043.65	3/4	3,833.99	3/4	3,623.89	3/4	3,413.79	3/4	3,103.08	3/4	2,761.37

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3320" formerly the **BARGE "FMT 3320"**

3 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,754.25	0	2,411.98	0	2,069.40	0	1,726.82	0	1,384.24	0	1,041.76	0	699.58	0	357.01	0	23.56	0	
1/4	2,747.13	1/4	2,404.84	1/4	2,062.26	1/4	1,719.68	1/4	1,377.10	1/4	1,034.64	1/4	692.44	1/4	349.87	1/4	19.99	1/4	
1/2	2,740.01	1/2	2,397.71	1/2	2,055.13	1/2	1,712.54	1/2	1,369.96	1/2	1,027.52	1/2	685.30	1/2	342.73	1/2	16.42	1/2	
3/4	2,732.90	3/4	2,390.57	3/4	2,047.99	3/4	1,705.41	3/4	1,362.83	3/4	1,020.40	3/4	678.17	3/4	335.60	3/4	12.85	3/4	
1	2,725.78	1	2,383.43	1	2,040.85	1	1,698.27	1	1,355.69	1	1,013.27	1	671.03	1	328.46	1	9.28	1	
1/4	2,718.66	1/4	2,376.30	1/4	2,033.71	1/4	1,691.13	1/4	1,348.55	1/4	1,006.15	1/4	663.89	1/4	321.32	1/4	7.50	1/4	
1/2	2,711.54	1/2	2,369.16	1/2	2,026.58	1/2	1,684.00	1/2	1,341.42	1/2	999.03	1/2	656.76	1/2	314.19	1/2	5.71	1/2	
3/4	2,704.42	3/4	2,362.02	3/4	2,019.44	3/4	1,676.86	3/4	1,334.28	3/4	991.90	3/4	649.62	3/4	307.05	3/4	3.93	3/4	
2	2,697.30	2	2,354.88	2	2,012.30	2	1,669.72	2	1,327.14	2	984.78	2	642.48	2	299.91	2	2.15	2	
1/4	2,690.18	1/4	2,347.75	1/4	2,005.17	1/4	1,662.59	1/4	1,320.00	1/4	977.66	1/4	635.35	1/4	292.78	1/2		1/4	
1/2	2,683.06	1/2	2,340.61	1/2	1,998.03	1/2	1,655.45	1/2	1,312.87	1/2	970.53	1/2	628.21	1/2	285.64	1/2		1/2	
3/4	2,675.94	3/4	2,333.47	3/4	1,990.89	3/4	1,648.31	3/4	1,305.73	3/4	963.41	3/4	621.07	3/4	278.50	3/4		3/4	
3	2,668.83	3	2,326.34	3	1,983.75	3	1,641.17	3	1,298.59	3	956.29	3	613.94	3	271.36	3		3	
1/4	2,661.71	1/4	2,319.20	1/4	1,976.62	1/4	1,634.04	1/4	1,291.46	1/4	949.16	1/4	606.80	1/4	264.23	1/4		1/4	
1/2	2,654.59	1/2	2,312.06	1/2	1,969.48	1/2	1,626.90	1/2	1,284.32	1/2	942.04	1/2	599.66	1/2	257.09	1/2		1/2	
3/4	2,647.47	3/4	2,304.92	3/4	1,962.34	3/4	1,619.76	3/4	1,277.18	3/4	934.92	3/4	592.52	3/4	249.95	3/4		3/4	
4	2,640.35	4	2,297.79	4	1,955.21	4	1,612.63	4	1,270.04	4	927.80	4	585.39	4	242.82	4		4	
1/4	2,633.22	1/4	2,290.65	1/4	1,948.07	1/4	1,605.49	1/4	1,262.91	1/4	920.67	1/4	578.25	1/4	235.68	1/4		1/4	
1/2	2,626.09	1/2	2,283.51	1/2	1,940.93	1/2	1,598.35	1/2	1,255.77	1/2	913.55	1/2	571.11	1/2	228.54	1/2		1/2	
3/4	2,618.97	3/4	2,276.38	3/4	1,933.80	3/4	1,591.21	3/4	1,248.63	3/4	906.43	3/4	563.98	3/4	221.41	3/4		3/4	
5	2,611.84	5	2,269.24	5	1,926.66	5	1,584.08	5	1,241.50	5	899.30	5	556.84	5	214.27	5		5	
1/4	2,604.70	1/4	2,262.10	1/4	1,919.52	1/4	1,576.94	1/4	1,234.36	1/4	892.18	1/4	549.70	1/4	207.13	1/4		1/4	
1/2	2,597.56	1/2	2,254.96	1/2	1,912.38	1/2	1,569.80	1/2	1,227.22	1/2	885.06	1/2	542.57	1/2	200.00	1/2		1/2	
3/4	2,590.42	3/4	2,247.83	3/4	1,905.25	3/4	1,562.67	3/4	1,220.09	3/4	877.94	3/4	535.43	3/4	192.86	3/4		3/4	
6	2,583.29	6	2,240.69	6	1,898.11	6	1,555.53	6	1,212.95	6	870.81	6	528.29	6	185.72	6		6	
1/4	2,576.15	1/4	2,233.55	1/4	1,890.97	1/4	1,548.39	1/4	1,205.81	1/4	863.69	1/4	521.16	1/4	178.58	1/4		1/4	
1/2	2,569.01	1/2	2,226.42	1/2	1,883.84	1/2	1,541.25	1/2	1,198.67	1/2	856.56	1/2	514.02	1/2	171.45	1/2		1/2	
3/4	2,561.87	3/4	2,219.28	3/4	1,876.70	3/4	1,534.12	3/4	1,191.54	3/4	849.43	3/4	506.88	3/4	164.31	3/4		3/4	
7	2,554.73	7	2,212.14	7	1,869.56	7	1,526.98	7	1,184.40	7	842.30	7	499.75	7	157.17	7		7	
1/4	2,547.60	1/4	2,205.00	1/4	1,862.42	1/4	1,519.84	1/4	1,177.26	1/4	835.17	1/4	492.61	1/4	150.04	1/4		1/4	
1/2	2,540.46	1/2	2,197.87	1/2	1,855.29	1/2	1,512.71	1/2	1,170.13	1/2	828.04	1/2	485.47	1/2	142.90	1/2		1/2	
3/4	2,533.32	3/4	2,190.73	3/4	1,848.15	3/4	1,505.57	3/4	1,162.99	3/4	820.90	3/4	478.33	3/4	135.77	3/4		3/4	
8	2,526.18	8	2,183.59	8	1,841.01	8	1,498.43	8	1,155.85	8	813.77	8	471.20	8	128.63	8		8	
1/4	2,519.04	1/4	2,176.46	1/4	1,833.88	1/4	1,491.29	1/4	1,148.71	1/4	806.63	1/4	464.06	1/4	121.50	1/4		1/4	
1/2	2,511.90	1/2	2,169.32	1/2	1,826.74	1/2	1,484.16	1/2	1,141.58	1/2	799.49	1/2	456.92	1/2	114.37	1/2		1/2	
3/4	2,504.76	3/4	2,162.18	3/4	1,819.60	3/4	1,477.02	3/4	1,134.44	3/4	792.36	3/4	449.79	3/4	107.24	3/4		3/4	
9	2,497.63	9	2,155.05	9	1,812.46	9	1,469.88	9	1,127.30	9	785.22	9	442.65	9	100.11	9		9	
1/4	2,490.49	1/4	2,147.91	1/4	1,805.33	1/4	1,462.75	1/4	1,120.17	1/4	778.08	1/4	435.51	1/4	92.99	1/4		1/4	
1/2	2,483.35	1/2	2,140.77	1/2	1,798.19	1/2	1,455.61	1/2	1,113.03	1/2	770.95	1/2	428.38	1/2	85.88	1/2		1/2	
3/4	2,476.21	3/4	2,133.63	3/4	1,791.05	3/4	1,448.47	3/4	1,105.90	3/4	763.81	3/4	421.24	3/4	78.76	3/4		3/4	
10	2,469.08	10	2,126.50	10	1,783.92	10	1,441.34	10	1,098.77	10	756.67	10	414.10	10	71.65	10		10	
1/4	2,461.94	1/4	2,119.36	1/4	1,776.78	1/4	1,434.20	1/4	1,091.64	1/4	749.54	1/4	406.97	1/4	64.98	1/4		1/4	
1/2	2,454.80	1/2	2,112.22	1/2	1,769.64	1/2	1,427.06	1/2	1,084.51	1/2	742.40	1/2	399.83	1/2	58.31	1/2		1/2	
3/4	2,447.67	3/4	2,105.09	3/4	1,762.50	3/4	1,419.92	3/4	1,077.38	3/4	735.26	3/4	392.69	3/4	51.63	3/4		3/4	
11	2,440.53	11	2,097.95	11	1,755.37	11	1,412.79	11	1,070.26	11	728.13	11	385.55	11	44.96	11		11	
1/4	2,433.39	1/4	2,090.81	1/4	1,748.23	1/4	1,405.65	1/4	1,063.13	1/4	720.99	1/4	378.42	1/4	39.61	1/4		1/4	
1/2	2,426.25	1/2	2,083.67	1/2	1,741.09	1/2	1,398.51	1/2	1,056.01	1/2	713.85	1/2	371.28	1/2	34.26	1/2		1/2	
3/4	2,419.12	3/4	2,076.54	3/4	1,733.96	3/4	1,391.38	3/4	1,048.89	3/4	706.72	3/4	364.14	3/4	28.91	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2020 CL
 CALCULATED: 08/13/2020 CL
 PRINTED: 08/13/2020 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2020

PRECISION MEASUREMENT
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