



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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	5,026	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	

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 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 07/29/2020 CL  
 CALCULATED: 07/30/2020 CL  
 PRINTED: 07/30/2020 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2020

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



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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.

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2020

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PRECISION MEASUREMENT  
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# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		101		259		416		517										
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	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	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	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	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	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	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	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	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	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	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	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: 07/29/2020 CL  
 CALCULATED: 07/30/2020 CL  
 PRINTED: 07/30/2020 JS

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2020

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 3314"

formerly the

**BARGE "FMT 3314"  
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"

July 29, 2020

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 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	14.63	0	290.60	0	624.83	0	965.48	0	1,307.11	0	1,649.57	0	1,992.02	0	2,334.48	0	2,676.93	0	3,019.35
1/4	17.55	1/4	297.19	1/4	631.96	1/4	972.56	1/4	1,314.25	1/4	1,656.70	1/4	1,999.16	1/4	2,341.61	1/4	2,684.07	1/4	3,026.48
1/2	20.47	1/2	303.78	1/2	639.10	1/2	979.63	1/2	1,321.38	1/2	1,663.84	1/2	2,006.29	1/2	2,348.75	1/2	2,691.20	1/2	3,033.62
3/4	23.38	3/4	310.37	3/4	646.23	3/4	986.71	3/4	1,328.52	3/4	1,670.97	3/4	2,013.43	3/4	2,355.88	3/4	2,698.33	3/4	3,040.75
1	26.30	1	316.97	1	653.37	1	993.78	1	1,335.65	1	1,678.11	1	2,020.56	1	2,363.02	1	2,705.47	1	3,047.88
1/4	31.08	1/4	323.64	1/4	660.50	1/4	1,000.86	1/4	1,342.78	1/4	1,685.24	1/4	2,027.70	1/4	2,370.15	1/4	2,712.60	1/4	3,055.01
1/2	35.87	1/2	330.32	1/2	667.64	1/2	1,007.93	1/2	1,349.92	1/2	1,692.38	1/2	2,034.83	1/2	2,377.29	1/2	2,719.73	1/2	3,062.14
3/4	40.65	3/4	336.99	3/4	674.77	3/4	1,015.00	3/4	1,357.05	3/4	1,699.51	3/4	2,041.97	3/4	2,384.42	3/4	2,726.87	3/4	3,069.28
2	45.43	2	343.67	2	681.90	2	1,022.08	2	1,364.19	2	1,706.64	2	2,049.10	2	2,391.56	2	2,734.00	2	3,076.41
1/4	51.15	1/4	350.43	1/4	689.04	1/4	1,029.16	1/4	1,371.32	1/4	1,713.78	1/4	2,056.23	1/4	2,398.69	1/4	2,741.14	1/4	3,083.54
1/2	56.87	1/2	357.19	1/2	696.17	1/2	1,036.24	1/2	1,378.46	1/2	1,720.91	1/2	2,063.37	1/2	2,405.83	1/2	2,748.27	1/2	3,090.67
3/4	62.60	3/4	363.95	3/4	703.31	3/4	1,043.33	3/4	1,385.59	3/4	1,728.05	3/4	2,070.50	3/4	2,412.96	3/4	2,755.40	3/4	3,097.80
3	68.32	3	370.71	3	710.44	3	1,050.41	3	1,392.73	3	1,735.18	3	2,077.64	3	2,420.09	3	2,762.54	3	3,104.94
1/4	74.15	1/4	377.55	1/4	717.58	1/4	1,057.51	1/4	1,399.86	1/4	1,742.32	1/4	2,084.77	1/4	2,427.23	1/4	2,769.67	1/4	3,112.07
1/2	79.98	1/2	384.39	1/2	724.71	1/2	1,064.61	1/2	1,407.00	1/2	1,749.45	1/2	2,091.91	1/2	2,434.36	1/2	2,776.81	1/2	3,119.20
3/4	85.82	3/4	391.23	3/4	731.84	3/4	1,071.71	3/4	1,414.13	3/4	1,756.59	3/4	2,099.04	3/4	2,441.50	3/4	2,783.94	3/4	3,126.33
4	91.65	4	398.08	4	738.98	4	1,078.81	4	1,421.26	4	1,763.72	4	2,106.18	4	2,448.63	4	2,791.07	4	3,133.46
1/4	97.57	1/4	405.00	1/4	746.08	1/4	1,085.94	1/4	1,428.40	1/4	1,770.85	1/4	2,113.31	1/4	2,455.77	1/4	2,798.21	1/4	3,140.60
1/2	103.50	1/2	411.93	1/2	753.18	1/2	1,093.08	1/2	1,435.53	1/2	1,777.99	1/2	2,120.45	1/2	2,462.90	1/2	2,805.34	1/2	3,147.73
3/4	109.42	3/4	418.85	3/4	760.28	3/4	1,100.21	3/4	1,442.67	3/4	1,785.12	3/4	2,127.58	3/4	2,470.04	3/4	2,812.48	3/4	3,154.86
5	115.34	5	425.78	5	767.38	5	1,107.35	5	1,449.80	5	1,792.26	5	2,134.71	5	2,477.17	5	2,819.61	5	3,161.99
1/4	121.35	1/4	432.78	1/4	774.46	1/4	1,114.48	1/4	1,456.94	1/4	1,799.39	1/4	2,141.85	1/4	2,484.30	1/4	2,826.74	1/4	3,169.13
1/2	127.36	1/2	439.79	1/2	781.54	1/2	1,121.62	1/2	1,464.07	1/2	1,806.53	1/2	2,148.98	1/2	2,491.44	1/2	2,833.88	1/2	3,176.26
3/4	133.37	3/4	446.79	3/4	788.63	3/4	1,128.75	3/4	1,471.21	3/4	1,813.66	3/4	2,156.12	3/4	2,498.57	3/4	2,841.01	3/4	3,183.39
6	139.38	6	453.80	6	795.71	6	1,135.88	6	1,478.34	6	1,820.80	6	2,163.25	6	2,505.71	6	2,848.14	6	3,190.52
1/4	145.47	1/4	460.88	1/4	802.78	1/4	1,143.02	1/4	1,485.47	1/4	1,827.93	1/4	2,170.39	1/4	2,512.84	1/4	2,855.28	1/4	3,197.65
1/2	151.56	1/2	467.97	1/2	809.86	1/2	1,150.15	1/2	1,492.61	1/2	1,835.07	1/2	2,177.52	1/2	2,519.98	1/2	2,862.41	1/2	3,204.79
3/4	157.66	3/4	475.06	3/4	816.93	3/4	1,157.29	3/4	1,499.74	3/4	1,842.20	3/4	2,184.66	3/4	2,527.11	3/4	2,869.55	3/4	3,211.92
7	163.75	7	482.15	7	824.00	7	1,164.42	7	1,506.88	7	1,849.33	7	2,191.79	7	2,534.25	7	2,876.68	7	3,219.05
1/4	169.92	1/4	489.28	1/4	831.08	1/4	1,171.56	1/4	1,514.01	1/4	1,856.47	1/4	2,198.92	1/4	2,541.38	1/4	2,883.81	1/4	3,226.18
1/2	176.10	1/2	496.42	1/2	838.15	1/2	1,178.69	1/2	1,521.15	1/2	1,863.60	1/2	2,206.06	1/2	2,548.52	1/2	2,890.95	1/2	3,233.31
3/4	182.28	3/4	503.55	3/4	845.23	3/4	1,185.83	3/4	1,528.28	3/4	1,870.74	3/4	2,213.19	3/4	2,555.65	3/4	2,898.08	3/4	3,240.45
8	188.45	8	510.68	8	852.30	8	1,192.96	8	1,535.42	8	1,877.87	8	2,220.33	8	2,562.78	8	2,905.22	8	3,247.58
1/4	194.71	1/4	517.82	1/4	859.37	1/4	1,200.09	1/4	1,542.55	1/4	1,885.01	1/4	2,227.46	1/4	2,569.92	1/4	2,912.35	1/4	3,254.71
1/2	200.97	1/2	524.95	1/2	866.45	1/2	1,207.23	1/2	1,549.69	1/2	1,892.14	1/2	2,234.60	1/2	2,577.05	1/2	2,919.48	1/2	3,261.84
3/4	207.23	3/4	532.09	3/4	873.52	3/4	1,214.36	3/4	1,556.82	3/4	1,899.28	3/4	2,241.73	3/4	2,584.19	3/4	2,926.62	3/4	3,268.97
9	213.49	9	539.22	9	880.59	9	1,221.50	9	1,563.95	9	1,906.41	9	2,248.87	9	2,591.32	9	2,933.75	9	3,276.11
1/4	219.83	1/4	546.35	1/4	887.67	1/4	1,228.63	1/4	1,571.09	1/4	1,913.54	1/4	2,256.00	1/4	2,598.46	1/4	2,940.89	1/4	3,283.24
1/2	226.17	1/2	553.49	1/2	894.74	1/2	1,235.77	1/2	1,578.22	1/2	1,920.68	1/2	2,263.14	1/2	2,605.59	1/2	2,948.02	1/2	3,290.37
3/4	232.51	3/4	560.62	3/4	901.82	3/4	1,242.90	3/4	1,585.36	3/4	1,927.81	3/4	2,270.27	3/4	2,612.73	3/4	2,955.15	3/4	3,297.50
10	238.86	10	567.76	10	908.89	10	1,250.04	10	1,592.49	10	1,934.95	10	2,277.40	10	2,619.86	10	2,962.29	10	3,304.64
1/4	245.28	1/4	574.89	1/4	915.97	1/4	1,257.17	1/4	1,599.63	1/4	1,942.08	1/4	2,284.54	1/4	2,626.99	1/4	2,969.42	1/4	3,311.77
1/2	251.71	1/2	582.03	1/2	923.04	1/2	1,264.31	1/2	1,606.76	1/2	1,949.22	1/2	2,291.67	1/2	2,634.13	1/2	2,976.56	1/2	3,318.90
3/4	258.13	3/4	589.16	3/4	930.11	3/4	1,271.44	3/4	1,613.90	3/4	1,956.35	3/4	2,298.81	3/4	2,641.26	3/4	2,983.69	3/4	3,326.03
11	264.56	11	596.29	11	937.19	11	1,278.57	11	1,621.03	11	1,963.49	11	2,305.94	11	2,648.40	11	2,990.82	11	3,333.16
1/4	271.07	1/4	603.43	1/4	944.26	1/4	1,285.71	1/4	1,628.16	1/4	1,970.62	1/4	2,313.08	1/4	2,655.53	1/4	2,997.96	1/4	3,340.30
1/2	277.58	1/2	610.56	1/2	951.34	1/2	1,292.84	1/2	1,635.30	1/2	1,977.76	1/2	2,320.21	1/2	2,662.66	1/2	3,005.09	1/2	3,347.43
3/4	284.09	3/4	617.70	3/4	958.41	3/4	1,299.98	3/4	1,642.43	3/4	1,984.89	3/4	2,327.35	3/4	2,669.80	3/4	3,012.22	3/4	3,354.56

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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# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 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	3,361.69	0	3,704.06	0	4,046.49	0	4,388.27	0	4,729.14	0		0		0		0		0	
1/4	3,368.82	1/4	3,711.19	1/4	4,053.62	1/4	4,395.37	1/4	4,736.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,375.96	1/2	3,718.32	1/2	4,060.76	1/2	4,402.47	1/2	4,743.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,383.09	3/4	3,725.46	3/4	4,067.89	3/4	4,409.57	3/4	4,750.45	3/4		3/4		3/4		3/4		3/4	
1	3,390.22	1	3,732.59	1	4,075.02	1	4,416.68	1	4,757.55	1		1		1		1		1	
1/4	3,397.35	1/4	3,739.73	1/4	4,082.16	1/4	4,423.78	1/4	4,764.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,404.48	1/2	3,746.86	1/2	4,089.29	1/2	4,430.88	1/2	4,771.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.62	3/4	3,753.99	3/4	4,096.43	3/4	4,437.98	3/4	4,778.85	3/4		3/4		3/4		3/4		3/4	
2	3,418.75	2	3,761.13	2	4,103.56	2	4,445.08	2	4,785.95	2		2		2		2		2	
1/4	3,425.88	1/4	3,768.26	1/4	4,110.69	1/4	4,452.18	1/4	4,793.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.01	1/2	3,775.40	1/2	4,117.83	1/2	4,459.28	1/2	4,800.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.15	3/4	3,782.53	3/4	4,124.96	3/4	4,466.39	3/4	4,807.26	3/4		3/4		3/4		3/4		3/4	
3	3,447.28	3	3,789.66	3	4,132.10	3	4,473.49	3	4,814.36	3		3		3		3		3	
1/4	3,454.41	1/4	3,796.80	1/4	4,139.23	1/4	4,480.59	1/4	4,821.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.54	1/2	3,803.93	1/2	4,146.36	1/2	4,487.69	1/2	4,828.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,468.67	3/4	3,811.07	3/4	4,153.50	3/4	4,494.79	3/4	4,835.53	3/4		3/4		3/4		3/4		3/4	
4	3,475.81	4	3,818.20	4	4,160.63	4	4,501.89	4	4,842.59	4		4		4		4		4	
1/4	3,482.94	1/4	3,825.33	1/4	4,167.77	1/4	4,509.00	1/4	4,849.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.07	1/2	3,832.47	1/2	4,174.90	1/2	4,516.10	1/2	4,856.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.20	3/4	3,839.60	3/4	4,182.03	3/4	4,523.20	3/4	4,863.75	3/4		3/4		3/4		3/4		3/4	
5	3,504.33	5	3,846.74	5	4,189.17	5	4,530.30	5	4,870.81	5		5		5		5		5	
1/4	3,511.47	1/4	3,853.87	1/4	4,196.30	1/4	4,537.40	1/4	4,877.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,518.60	1/2	3,861.00	1/2	4,203.44	1/2	4,544.50	1/2	4,884.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,525.73	3/4	3,868.14	3/4	4,210.57	3/4	4,551.60	3/4	4,891.98	3/4		3/4		3/4		3/4		3/4	
6	3,532.86	6	3,875.27	6	4,217.70	6	4,558.71	6	4,899.04	6		6		6		6		6	
1/4	3,539.99	1/4	3,882.41	1/4	4,224.84	1/4	4,565.81	1/4	4,906.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.13	1/2	3,889.54	1/2	4,231.97	1/2	4,572.91	1/2	4,913.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.26	3/4	3,896.67	3/4	4,239.11	3/4	4,580.01	3/4	4,920.16	3/4		3/4		3/4		3/4		3/4	
7	3,561.39	7	3,903.81	7	4,246.24	7	4,587.11	7	4,927.20	7		7		7		7		7	
1/4	3,568.52	1/4	3,910.94	1/4	4,253.34	1/4	4,594.21	1/4	4,934.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.66	1/2	3,918.08	1/2	4,260.44	1/2	4,601.31	1/2	4,941.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.79	3/4	3,925.21	3/4	4,267.54	3/4	4,608.42	3/4	4,948.17	3/4		3/4		3/4		3/4		3/4	
8	3,589.92	8	3,932.34	8	4,274.65	8	4,615.52	8	4,955.16	8		8		8		8		8	
1/4	3,597.05	1/4	3,939.48	1/4	4,281.75	1/4	4,622.62	1/4	4,961.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.18	1/2	3,946.61	1/2	4,288.85	1/2	4,629.72	1/2	4,967.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.32	3/4	3,953.75	3/4	4,295.95	3/4	4,636.82	3/4	4,973.65	3/4		3/4		3/4		3/4		3/4	
9	3,618.45	9	3,960.88	9	4,303.05	9	4,643.92	9	4,979.82	9		9		9		9		9	
1/4	3,625.58	1/4	3,968.01	1/4	4,310.15	1/4	4,651.03	1/4	4,984.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.72	1/2	3,975.15	1/2	4,317.25	1/2	4,658.13	1/2	4,989.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.85	3/4	3,982.28	3/4	4,324.36	3/4	4,665.23	3/4	4,994.74	3/4		3/4		3/4		3/4		3/4	
10	3,646.98	10	3,989.42	10	4,331.46	10	4,672.33	10	4,999.72	10		10		10		10		10	
1/4	3,654.12	1/4	3,996.55	1/4	4,338.56	1/4	4,679.43	1/4	5,003.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.25	1/2	4,003.68	1/2	4,345.66	1/2	4,686.53	1/2	5,007.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.39	3/4	4,010.82	3/4	4,352.76	3/4	4,693.63	3/4	5,011.08	3/4		3/4		3/4		3/4		3/4	
11	3,675.52	11	4,017.95	11	4,359.86	11	4,700.74	11	5,014.86	11		11		11		11		11	
1/4	3,682.65	1/4	4,025.09	1/4	4,366.97	1/4	4,707.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.79	1/2	4,032.22	1/2	4,374.07	1/2	4,714.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.92	3/4	4,039.35	3/4	4,381.17	3/4	4,722.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

## 1 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	14.66	0	291.10	0	625.99	0	968.87	0	1,311.89	0	1,654.99	0	1,998.09	0	2,341.19	0	2,684.28	0	3,027.34
1/4	17.58	1/4	297.70	1/4	633.14	1/4	976.01	1/4	1,319.04	1/4	1,662.14	1/4	2,005.24	1/4	2,348.34	1/4	2,691.43	1/4	3,034.49
1/2	20.50	1/2	304.31	1/2	640.29	1/2	983.15	1/2	1,326.19	1/2	1,669.29	1/2	2,012.39	1/2	2,355.49	1/2	2,698.58	1/2	3,041.63
3/4	23.42	3/4	310.91	3/4	647.44	3/4	990.28	3/4	1,333.34	3/4	1,676.44	3/4	2,019.53	3/4	2,362.63	3/4	2,705.73	3/4	3,048.78
1	26.34	1	317.52	1	654.58	1	997.42	1	1,340.48	1	1,683.58	1	2,026.68	1	2,369.78	1	2,712.87	1	3,055.92
1/4	31.13	1/4	324.20	1/4	661.73	1/4	1,004.56	1/4	1,347.63	1/4	1,690.73	1/4	2,033.83	1/4	2,376.93	1/4	2,720.02	1/4	3,063.07
1/2	35.92	1/2	330.89	1/2	668.88	1/2	1,011.70	1/2	1,354.78	1/2	1,697.88	1/2	2,040.98	1/2	2,384.08	1/2	2,727.17	1/2	3,070.22
3/4	40.71	3/4	337.58	3/4	676.03	3/4	1,018.84	3/4	1,361.93	3/4	1,705.03	3/4	2,048.13	3/4	2,391.23	3/4	2,734.31	3/4	3,077.36
2	45.50	2	344.27	2	683.17	2	1,025.98	2	1,369.08	2	1,712.17	2	2,055.27	2	2,398.37	2	2,741.46	2	3,084.51
1/4	51.24	1/4	351.04	1/4	690.32	1/4	1,033.13	1/4	1,376.22	1/4	1,719.32	1/4	2,062.42	1/4	2,405.52	1/4	2,748.61	1/4	3,091.65
1/2	56.97	1/2	357.81	1/2	697.47	1/2	1,040.27	1/2	1,383.37	1/2	1,726.47	1/2	2,069.57	1/2	2,412.67	1/2	2,755.76	1/2	3,098.80
3/4	62.70	3/4	364.58	3/4	704.62	3/4	1,047.42	3/4	1,390.52	3/4	1,733.62	3/4	2,076.72	3/4	2,419.82	3/4	2,762.90	3/4	3,105.94
3	68.43	3	371.35	3	711.76	3	1,054.57	3	1,397.67	3	1,740.77	3	2,083.87	3	2,426.96	3	2,770.05	3	3,113.09
1/4	74.28	1/4	378.21	1/4	718.91	1/4	1,061.72	1/4	1,404.82	1/4	1,747.91	1/4	2,091.01	1/4	2,434.11	1/4	2,777.20	1/4	3,120.23
1/2	80.12	1/2	385.06	1/2	726.06	1/2	1,068.86	1/2	1,411.96	1/2	1,755.06	1/2	2,098.16	1/2	2,441.26	1/2	2,784.34	1/2	3,127.38
3/4	85.96	3/4	391.92	3/4	733.21	3/4	1,076.01	3/4	1,419.11	3/4	1,762.21	3/4	2,105.31	3/4	2,448.41	3/4	2,791.49	3/4	3,134.52
4	91.80	4	398.77	4	740.35	4	1,083.16	4	1,426.26	4	1,769.36	4	2,112.46	4	2,455.56	4	2,798.64	4	3,141.67
1/4	97.73	1/4	405.71	1/4	747.50	1/4	1,090.31	1/4	1,433.41	1/4	1,776.51	1/4	2,119.61	1/4	2,462.70	1/4	2,805.79	1/4	3,148.82
1/2	103.67	1/2	412.65	1/2	754.65	1/2	1,097.46	1/2	1,440.55	1/2	1,783.65	1/2	2,126.75	1/2	2,469.85	1/2	2,812.93	1/2	3,155.96
3/4	109.60	3/4	419.59	3/4	761.80	3/4	1,104.60	3/4	1,447.70	3/4	1,790.80	3/4	2,133.90	3/4	2,477.00	3/4	2,820.08	3/4	3,163.11
5	115.54	5	426.53	5	768.95	5	1,111.75	5	1,454.85	5	1,797.95	5	2,141.05	5	2,484.15	5	2,827.23	5	3,170.25
1/4	121.56	1/4	433.55	1/4	776.09	1/4	1,118.90	1/4	1,462.00	1/4	1,805.10	1/4	2,148.20	1/4	2,491.30	1/4	2,834.37	1/4	3,177.40
1/2	127.58	1/2	440.57	1/2	783.24	1/2	1,126.05	1/2	1,469.15	1/2	1,812.25	1/2	2,155.34	1/2	2,498.44	1/2	2,841.52	1/2	3,184.54
3/4	133.60	3/4	447.60	3/4	790.39	3/4	1,133.20	3/4	1,476.29	3/4	1,819.39	3/4	2,162.49	3/4	2,505.59	3/4	2,848.67	3/4	3,191.69
6	139.62	6	454.62	6	797.53	6	1,140.34	6	1,483.44	6	1,826.54	6	2,169.64	6	2,512.74	6	2,855.82	6	3,198.83
1/4	145.72	1/4	461.72	1/4	804.67	1/4	1,147.49	1/4	1,490.59	1/4	1,833.69	1/4	2,176.79	1/4	2,519.89	1/4	2,862.96	1/4	3,205.98
1/2	151.82	1/2	468.83	1/2	811.81	1/2	1,154.64	1/2	1,497.74	1/2	1,840.84	1/2	2,183.94	1/2	2,527.04	1/2	2,870.11	1/2	3,213.13
3/4	157.92	3/4	475.94	3/4	818.95	3/4	1,161.79	3/4	1,504.89	3/4	1,847.98	3/4	2,191.08	3/4	2,534.18	3/4	2,877.26	3/4	3,220.27
7	164.03	7	483.04	7	826.09	7	1,168.93	7	1,512.03	7	1,855.13	7	2,198.23	7	2,541.33	7	2,884.41	7	3,227.42
1/4	170.21	1/4	490.19	1/4	833.23	1/4	1,176.08	1/4	1,519.18	1/4	1,862.28	1/4	2,205.38	1/4	2,548.48	1/4	2,891.55	1/4	3,234.56
1/2	176.40	1/2	497.34	1/2	840.37	1/2	1,183.23	1/2	1,526.33	1/2	1,869.43	1/2	2,212.53	1/2	2,555.63	1/2	2,898.70	1/2	3,241.71
3/4	182.59	3/4	504.48	3/4	847.51	3/4	1,190.38	3/4	1,533.48	3/4	1,876.58	3/4	2,219.68	3/4	2,562.77	3/4	2,905.85	3/4	3,248.85
8	188.77	8	511.63	8	854.64	8	1,197.53	8	1,540.63	8	1,883.72	8	2,226.82	8	2,569.92	8	2,912.99	8	3,256.00
1/4	195.04	1/4	518.78	1/4	861.78	1/4	1,204.67	1/4	1,547.77	1/4	1,890.87	1/4	2,233.97	1/4	2,577.07	1/4	2,920.14	1/4	3,263.14
1/2	201.31	1/2	525.93	1/2	868.92	1/2	1,211.82	1/2	1,554.92	1/2	1,898.02	1/2	2,241.12	1/2	2,584.22	1/2	2,927.29	1/2	3,270.29
3/4	207.58	3/4	533.07	3/4	876.06	3/4	1,218.97	3/4	1,562.07	3/4	1,905.17	3/4	2,248.27	3/4	2,591.37	3/4	2,934.44	3/4	3,277.43
9	213.85	9	540.22	9	883.20	9	1,226.12	9	1,569.22	9	1,912.32	9	2,255.42	9	2,598.51	9	2,941.58	9	3,284.58
1/4	220.21	1/4	547.37	1/4	890.34	1/4	1,233.27	1/4	1,576.36	1/4	1,919.46	1/4	2,262.56	1/4	2,605.66	1/4	2,948.73	1/4	3,291.73
1/2	226.56	1/2	554.52	1/2	897.48	1/2	1,240.41	1/2	1,583.51	1/2	1,926.61	1/2	2,269.71	1/2	2,612.81	1/2	2,955.88	1/2	3,298.87
3/4	232.91	3/4	561.66	3/4	904.62	3/4	1,247.56	3/4	1,590.66	3/4	1,933.76	3/4	2,276.86	3/4	2,619.96	3/4	2,963.02	3/4	3,306.02
10	239.27	10	568.81	10	911.76	10	1,254.71	10	1,597.81	10	1,940.91	10	2,284.01	10	2,627.11	10	2,970.17	10	3,313.16
1/4	245.70	1/4	575.96	1/4	918.89	1/4	1,261.86	1/4	1,604.96	1/4	1,948.06	1/4	2,291.15	1/4	2,634.25	1/4	2,977.32	1/4	3,320.31
1/2	252.14	1/2	583.11	1/2	926.03	1/2	1,269.01	1/2	1,612.10	1/2	1,955.20	1/2	2,298.30	1/2	2,641.40	1/2	2,984.47	1/2	3,327.45
3/4	258.58	3/4	590.26	3/4	933.17	3/4	1,276.15	3/4	1,619.25	3/4	1,962.35	3/4	2,305.45	3/4	2,648.55	3/4	2,991.61	3/4	3,334.60
11	265.02	11	597.40	11	940.31	11	1,283.30	11	1,626.40	11	1,969.50	11	2,312.60	11	2,655.69	11	2,998.76	11	3,341.74
1/4	271.54	1/4	604.55	1/4	947.45	1/4	1,290.45	1/4	1,633.55	1/4	1,976.65	1/4	2,319.75	1/4	2,662.84	1/4	3,005.91	1/4	3,348.89
1/2	278.06	1/2	611.70	1/2	954.59	1/2	1,297.60	1/2	1,640.70	1/2	1,983.80	1/2	2,326.89	1/2	2,669.99	1/2	3,013.05	1/2	3,356.04
3/4	284.58	3/4	618.85	3/4	961.73	3/4	1,304.74	3/4	1,647.84	3/4	1,990.94	3/4	2,334.04	3/4	2,677.14	3/4	3,020.20	3/4	3,363.18

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>



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 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	3,370.33	0	3,713.33	0	4,056.40	0	4,398.82	0	4,740.33	0		0		0		0		0	
1/4	3,377.47	1/4	3,720.48	1/4	4,063.55	1/4	4,405.94	1/4	4,747.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,384.62	1/2	3,727.63	1/2	4,070.70	1/2	4,413.05	1/2	4,754.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,391.76	3/4	3,734.77	3/4	4,077.84	3/4	4,420.17	3/4	4,761.68	3/4		3/4		3/4		3/4		3/4	
1	3,398.91	1	3,741.92	1	4,084.99	1	4,427.28	1	4,768.79	1		1		1		1		1	
1/4	3,406.05	1/4	3,749.07	1/4	4,092.14	1/4	4,434.40	1/4	4,775.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,413.20	1/2	3,756.22	1/2	4,099.29	1/2	4,441.51	1/2	4,783.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,420.34	3/4	3,763.36	3/4	4,106.43	3/4	4,448.63	3/4	4,790.14	3/4		3/4		3/4		3/4		3/4	
2	3,427.49	2	3,770.51	2	4,113.58	2	4,455.74	2	4,797.25	2		2		2		2		2	
1/4	3,434.64	1/4	3,777.66	1/4	4,120.73	1/4	4,462.86	1/4	4,804.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.78	1/2	3,784.81	1/2	4,127.88	1/2	4,469.97	1/2	4,811.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,448.93	3/4	3,791.95	3/4	4,135.02	3/4	4,477.09	3/4	4,818.60	3/4		3/4		3/4		3/4		3/4	
3	3,456.07	3	3,799.10	3	4,142.17	3	4,484.20	3	4,825.71	3		3		3		3		3	
1/4	3,463.22	1/4	3,806.25	1/4	4,149.32	1/4	4,491.32	1/4	4,832.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,470.36	1/2	3,813.39	1/2	4,156.46	1/2	4,498.43	1/2	4,839.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,477.51	3/4	3,820.54	3/4	4,163.61	3/4	4,505.54	3/4	4,846.92	3/4		3/4		3/4		3/4		3/4	
4	3,484.65	4	3,827.69	4	4,170.76	4	4,512.66	4	4,853.99	4		4		4		4		4	
1/4	3,491.80	1/4	3,834.84	1/4	4,177.91	1/4	4,519.77	1/4	4,861.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,498.95	1/2	3,841.98	1/2	4,185.05	1/2	4,526.89	1/2	4,868.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,506.09	3/4	3,849.13	3/4	4,192.20	3/4	4,534.00	3/4	4,875.20	3/4		3/4		3/4		3/4		3/4	
5	3,513.24	5	3,856.28	5	4,199.35	5	4,541.12	5	4,882.27	5		5		5		5		5	
1/4	3,520.38	1/4	3,863.43	1/4	4,206.50	1/4	4,548.23	1/4	4,889.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.53	1/2	3,870.57	1/2	4,213.64	1/2	4,555.35	1/2	4,896.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.67	3/4	3,877.72	3/4	4,220.79	3/4	4,562.46	3/4	4,903.47	3/4		3/4		3/4		3/4		3/4	
6	3,541.82	6	3,884.87	6	4,227.94	6	4,569.58	6	4,910.54	6		6		6		6		6	
1/4	3,548.96	1/4	3,892.01	1/4	4,235.08	1/4	4,576.69	1/4	4,917.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,556.11	1/2	3,899.16	1/2	4,242.23	1/2	4,583.81	1/2	4,924.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,563.25	3/4	3,906.31	3/4	4,249.38	3/4	4,590.92	3/4	4,931.71	3/4		3/4		3/4		3/4		3/4	
7	3,570.40	7	3,913.46	7	4,256.53	7	4,598.04	7	4,938.76	7		7		7		7		7	
1/4	3,577.55	1/4	3,920.60	1/4	4,263.64	1/4	4,605.15	1/4	4,945.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.69	1/2	3,927.75	1/2	4,270.76	1/2	4,612.27	1/2	4,952.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.84	3/4	3,934.90	3/4	4,277.87	3/4	4,619.38	3/4	4,959.77	3/4		3/4		3/4		3/4		3/4	
8	3,598.98	8	3,942.05	8	4,284.99	8	4,626.50	8	4,966.77	8		8		8		8		8	
1/4	3,606.13	1/4	3,949.19	1/4	4,292.10	1/4	4,633.61	1/4	4,972.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.27	1/2	3,956.34	1/2	4,299.22	1/2	4,640.73	1/2	4,979.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.42	3/4	3,963.49	3/4	4,306.33	3/4	4,647.84	3/4	4,985.30	3/4		3/4		3/4		3/4		3/4	
9	3,627.56	9	3,970.63	9	4,313.45	9	4,654.96	9	4,991.47	9		9		9		9		9	
1/4	3,634.71	1/4	3,977.78	1/4	4,320.56	1/4	4,662.07	1/4	4,996.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.86	1/2	3,984.93	1/2	4,327.67	1/2	4,669.19	1/2	5,001.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.01	3/4	3,992.08	3/4	4,334.79	3/4	4,676.30	3/4	5,006.43	3/4		3/4		3/4		3/4		3/4	
10	3,656.15	10	3,999.22	10	4,341.90	10	4,683.41	10	5,011.41	10		10		10		10		10	
1/4	3,663.30	1/4	4,006.37	1/4	4,349.02	1/4	4,690.53	1/4	5,015.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.45	1/2	4,013.52	1/2	4,356.13	1/2	4,697.64	1/2	5,019.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.60	3/4	4,020.67	3/4	4,363.25	3/4	4,704.76	3/4	5,022.79	3/4		3/4		3/4		3/4		3/4	
11	3,684.74	11	4,027.81	11	4,370.36	11	4,711.87	11	5,026.59	11		11		11		11		11	
1/4	3,691.89	1/4	4,034.96	1/4	4,377.48	1/4	4,718.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.04	1/2	4,042.11	1/2	4,384.59	1/2	4,726.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.18	3/4	4,049.26	3/4	4,391.71	3/4	4,733.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020

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







**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 PORT**  
**INNAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/2"**

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	14.66	0	343.32	0	686.47	0	1,019.93	0	1,358.31	0	1,701.48	0	2,044.64	0	2,387.81	0	2,730.98	0	3,074.13
1/4	19.13	1/4	350.47	1/4	693.62	1/4	1,026.77	1/4	1,365.46	1/4	1,708.63	1/4	2,051.79	1/4	2,394.96	1/4	2,738.13	1/4	3,081.28
1/2	23.60	1/2	357.62	1/2	700.77	1/2	1,033.61	1/2	1,372.61	1/2	1,715.78	1/2	2,058.94	1/2	2,402.11	1/2	2,745.27	1/2	3,088.43
3/4	28.07	3/4	364.77	3/4	707.92	3/4	1,040.46	3/4	1,379.76	3/4	1,722.93	3/4	2,066.09	3/4	2,409.26	3/4	2,752.42	3/4	3,095.58
1	32.54	1	371.92	1	715.07	1	1,047.30	1	1,386.91	1	1,730.07	1	2,073.24	1	2,416.41	1	2,759.57	1	3,102.72
1/4	38.79	1/4	379.06	1/4	722.22	1/4	1,054.14	1/4	1,394.06	1/4	1,737.22	1/4	2,080.39	1/4	2,423.56	1/4	2,766.72	1/4	3,109.87
1/2	45.04	1/2	386.21	1/2	729.37	1/2	1,060.98	1/2	1,401.21	1/2	1,744.37	1/2	2,087.54	1/2	2,430.71	1/2	2,773.87	1/2	3,117.02
3/4	51.30	3/4	393.36	3/4	736.51	3/4	1,067.82	3/4	1,408.36	3/4	1,751.52	3/4	2,094.69	3/4	2,437.86	3/4	2,781.02	3/4	3,124.17
2	57.55	2	400.51	2	743.66	2	1,074.66	2	1,415.51	2	1,758.67	2	2,101.84	2	2,445.00	2	2,788.17	2	3,131.31
1/4	64.66	1/4	407.66	1/4	750.81	1/4	1,081.51	1/4	1,422.65	1/4	1,765.82	1/4	2,108.99	1/4	2,452.15	1/4	2,795.32	1/4	3,138.46
1/2	71.78	1/2	414.81	1/2	757.96	1/2	1,088.36	1/2	1,429.80	1/2	1,772.97	1/2	2,116.14	1/2	2,459.30	1/2	2,802.47	1/2	3,145.61
3/4	78.89	3/4	421.96	3/4	765.11	3/4	1,095.21	3/4	1,436.95	3/4	1,780.12	3/4	2,123.29	3/4	2,466.45	3/4	2,809.62	3/4	3,152.76
3	86.00	3	429.11	3	772.26	3	1,102.06	3	1,444.10	3	1,787.27	3	2,130.44	3	2,473.60	3	2,816.77	3	3,159.90
1/4	93.14	1/4	436.26	1/4	779.41	1/4	1,108.93	1/4	1,451.25	1/4	1,794.42	1/4	2,137.58	1/4	2,480.75	1/4	2,823.92	1/4	3,167.05
1/2	100.28	1/2	443.41	1/2	786.56	1/2	1,115.80	1/2	1,458.40	1/2	1,801.57	1/2	2,144.73	1/2	2,487.90	1/2	2,831.07	1/2	3,174.20
3/4	107.42	3/4	450.55	3/4	793.71	3/4	1,122.67	3/4	1,465.55	3/4	1,808.72	3/4	2,151.88	3/4	2,495.05	3/4	2,838.22	3/4	3,181.34
4	114.56	4	457.70	4	800.86	4	1,129.53	4	1,472.70	4	1,815.87	4	2,159.03	4	2,502.20	4	2,845.37	4	3,188.49
1/4	121.70	1/4	464.85	1/4	807.72	1/4	1,136.68	1/4	1,479.85	1/4	1,823.02	1/4	2,166.18	1/4	2,509.35	1/4	2,852.51	1/4	3,195.64
1/2	128.85	1/2	472.00	1/2	814.59	1/2	1,143.83	1/2	1,487.00	1/2	1,830.16	1/2	2,173.33	1/2	2,516.50	1/2	2,859.66	1/2	3,202.79
3/4	136.00	3/4	479.15	3/4	821.46	3/4	1,150.98	3/4	1,494.15	3/4	1,837.31	3/4	2,180.48	3/4	2,523.65	3/4	2,866.81	3/4	3,209.93
5	143.15	5	486.30	5	828.33	5	1,158.13	5	1,501.30	5	1,844.46	5	2,187.63	5	2,530.80	5	2,873.96	5	3,217.08
1/4	150.30	1/4	493.45	1/4	835.18	1/4	1,165.28	1/4	1,508.45	1/4	1,851.61	1/4	2,194.78	1/4	2,537.95	1/4	2,881.11	1/4	3,224.23
1/2	157.45	1/2	500.60	1/2	842.03	1/2	1,172.43	1/2	1,515.60	1/2	1,858.76	1/2	2,201.93	1/2	2,545.09	1/2	2,888.26	1/2	3,231.38
3/4	164.59	3/4	507.75	3/4	848.88	3/4	1,179.58	3/4	1,522.74	3/4	1,865.91	3/4	2,209.08	3/4	2,552.24	3/4	2,895.41	3/4	3,238.52
6	171.74	6	514.90	6	855.73	6	1,186.73	6	1,529.89	6	1,873.06	6	2,216.23	6	2,559.39	6	2,902.56	6	3,245.67
1/4	178.89	1/4	522.04	1/4	862.57	1/4	1,193.88	1/4	1,537.04	1/4	1,880.21	1/4	2,223.38	1/4	2,566.54	1/4	2,909.71	1/4	3,252.82
1/2	186.04	1/2	529.19	1/2	869.41	1/2	1,201.03	1/2	1,544.19	1/2	1,887.36	1/2	2,230.53	1/2	2,573.69	1/2	2,916.86	1/2	3,259.96
3/4	193.19	3/4	536.34	3/4	876.25	3/4	1,208.18	3/4	1,551.34	3/4	1,894.51	3/4	2,237.67	3/4	2,580.84	3/4	2,924.01	3/4	3,267.11
7	200.34	7	543.49	7	883.10	7	1,215.32	7	1,558.49	7	1,901.66	7	2,244.82	7	2,587.99	7	2,931.16	7	3,274.26
1/4	207.49	1/4	550.64	1/4	889.94	1/4	1,222.47	1/4	1,565.64	1/4	1,908.81	1/4	2,251.97	1/4	2,595.14	1/4	2,938.31	1/4	3,281.41
1/2	214.64	1/2	557.79	1/2	896.78	1/2	1,229.62	1/2	1,572.79	1/2	1,915.96	1/2	2,259.12	1/2	2,602.29	1/2	2,945.46	1/2	3,288.55
3/4	221.79	3/4	564.94	3/4	903.62	3/4	1,236.77	3/4	1,579.94	3/4	1,923.11	3/4	2,266.27	3/4	2,609.44	3/4	2,952.60	3/4	3,295.70
8	228.94	8	572.09	8	910.46	8	1,243.92	8	1,587.09	8	1,930.25	8	2,273.42	8	2,616.59	8	2,959.75	8	3,302.85
1/4	236.08	1/4	579.24	1/4	917.30	1/4	1,251.07	1/4	1,594.24	1/4	1,937.40	1/4	2,280.57	1/4	2,623.74	1/4	2,966.90	1/4	3,310.00
1/2	243.23	1/2	586.39	1/2	924.15	1/2	1,258.22	1/2	1,601.39	1/2	1,944.55	1/2	2,287.72	1/2	2,630.89	1/2	2,974.05	1/2	3,317.14
3/4	250.38	3/4	593.53	3/4	930.99	3/4	1,265.37	3/4	1,608.54	3/4	1,951.70	3/4	2,294.87	3/4	2,638.04	3/4	2,981.20	3/4	3,324.29
9	257.53	9	600.68	9	937.83	9	1,272.52	9	1,615.69	9	1,958.85	9	2,302.02	9	2,645.18	9	2,988.35	9	3,331.44
1/4	264.68	1/4	607.83	1/4	944.67	1/4	1,279.67	1/4	1,622.83	1/4	1,966.00	1/4	2,309.17	1/4	2,652.33	1/4	2,995.50	1/4	3,338.58
1/2	271.83	1/2	614.98	1/2	951.51	1/2	1,286.82	1/2	1,629.98	1/2	1,973.15	1/2	2,316.32	1/2	2,659.48	1/2	3,002.65	1/2	3,345.73
3/4	278.98	3/4	622.13	3/4	958.35	3/4	1,293.97	3/4	1,637.13	3/4	1,980.30	3/4	2,323.47	3/4	2,666.63	3/4	3,009.80	3/4	3,352.88
10	286.13	10	629.28	10	965.20	10	1,301.12	10	1,644.28	10	1,987.45	10	2,330.62	10	2,673.78	10	3,016.95	10	3,360.03
1/4	293.28	1/4	636.43	1/4	972.04	1/4	1,308.27	1/4	1,651.43	1/4	1,994.60	1/4	2,337.76	1/4	2,680.93	1/4	3,024.10	1/4	3,367.17
1/2	300.43	1/2	643.58	1/2	978.88	1/2	1,315.41	1/2	1,658.58	1/2	2,001.75	1/2	2,344.91	1/2	2,688.08	1/2	3,031.25	1/2	3,374.32
3/4	307.57	3/4	650.73	3/4	985.72	3/4	1,322.56	3/4	1,665.73	3/4	2,008.90	3/4	2,352.06	3/4	2,695.23	3/4	3,038.40	3/4	3,381.47
11	314.72	11	657.88	11	992.56	11	1,329.71	11	1,672.88	11	2,016.05	11	2,359.21	11	2,702.38	11	3,045.55	11	3,388.62
1/4	321.87	1/4	665.02	1/4	999.40	1/4	1,336.86	1/4	1,680.03	1/4	2,023.20	1/4	2,366.36	1/4	2,709.53	1/4	3,052.69	1/4	3,395.76
1/2	329.02	1/2	672.17	1/2	1,006.25	1/2	1,344.01	1/2	1,687.18	1/2	2,030.34	1/2	2,373.51	1/2	2,716.68	1/2	3,059.84	1/2	3,402.91
3/4	336.17	3/4	679.32	3/4	1,013.09	3/4	1,351.16	3/4	1,694.33	3/4	2,037.49	3/4	2,380.66	3/4	2,723.83	3/4	3,066.99	3/4	3,410.06

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 3314"

formerly the  
BARGE "FMT 3314"

**2 PORT**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/2"**

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	3,417.21	0	3,760.28	0	4,103.35	0	4,445.76	0	4,787.27	0		0		0		0		0	
1/4	3,424.35	1/4	3,767.42	1/4	4,110.49	1/4	4,452.88	1/4	4,794.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.50	1/2	3,774.57	1/2	4,117.64	1/2	4,459.99	1/2	4,801.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,438.65	3/4	3,781.72	3/4	4,124.79	3/4	4,467.11	3/4	4,808.61	3/4		3/4		3/4		3/4		3/4	
1	3,445.79	1	3,788.86	1	4,131.94	1	4,474.22	1	4,815.73	1		1		1		1		1	
1/4	3,452.94	1/4	3,796.01	1/4	4,139.08	1/4	4,481.34	1/4	4,822.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.09	1/2	3,803.16	1/2	4,146.23	1/2	4,488.45	1/2	4,829.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.24	3/4	3,810.31	3/4	4,153.38	3/4	4,495.57	3/4	4,837.07	3/4		3/4		3/4		3/4		3/4	
2	3,474.38	2	3,817.45	2	4,160.52	2	4,502.68	2	4,844.19	2		2		2		2		2	
1/4	3,481.53	1/4	3,824.60	1/4	4,167.67	1/4	4,509.80	1/4	4,851.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.68	1/2	3,831.75	1/2	4,174.82	1/2	4,516.91	1/2	4,858.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.83	3/4	3,838.90	3/4	4,181.97	3/4	4,524.03	3/4	4,865.53	3/4		3/4		3/4		3/4		3/4	
3	3,502.97	3	3,846.04	3	4,189.11	3	4,531.14	3	4,872.65	3		3		3		3		3	
1/4	3,510.12	1/4	3,853.19	1/4	4,196.26	1/4	4,538.26	1/4	4,879.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.27	1/2	3,860.34	1/2	4,203.41	1/2	4,545.37	1/2	4,886.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.41	3/4	3,867.49	3/4	4,210.56	3/4	4,552.48	3/4	4,893.86	3/4		3/4		3/4		3/4		3/4	
4	3,531.56	4	3,874.63	4	4,217.70	4	4,559.60	4	4,900.93	4		4		4		4		4	
1/4	3,538.71	1/4	3,881.78	1/4	4,224.85	1/4	4,566.71	1/4	4,907.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.86	1/2	3,888.93	1/2	4,232.00	1/2	4,573.83	1/2	4,915.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.00	3/4	3,896.07	3/4	4,239.14	3/4	4,580.94	3/4	4,922.13	3/4		3/4		3/4		3/4		3/4	
5	3,560.15	5	3,903.22	5	4,246.29	5	4,588.06	5	4,929.20	5		5		5		5		5	
1/4	3,567.30	1/4	3,910.37	1/4	4,253.44	1/4	4,595.17	1/4	4,936.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.45	1/2	3,917.52	1/2	4,260.59	1/2	4,602.29	1/2	4,943.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,581.59	3/4	3,924.66	3/4	4,267.73	3/4	4,609.40	3/4	4,950.40	3/4		3/4		3/4		3/4		3/4	
6	3,588.74	6	3,931.81	6	4,274.88	6	4,616.52	6	4,957.47	6		6		6		6		6	
1/4	3,595.89	1/4	3,938.96	1/4	4,282.03	1/4	4,623.63	1/4	4,964.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.03	1/2	3,946.11	1/2	4,289.18	1/2	4,630.75	1/2	4,971.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,610.18	3/4	3,953.25	3/4	4,296.32	3/4	4,637.86	3/4	4,978.64	3/4		3/4		3/4		3/4		3/4	
7	3,617.33	7	3,960.40	7	4,303.47	7	4,644.98	7	4,985.69	7		7		7		7		7	
1/4	3,624.48	1/4	3,967.55	1/4	4,310.59	1/4	4,652.09	1/4	4,992.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,631.62	1/2	3,974.69	1/2	4,317.70	1/2	4,659.21	1/2	4,999.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.77	3/4	3,981.84	3/4	4,324.81	3/4	4,666.32	3/4	5,006.70	3/4		3/4		3/4		3/4		3/4	
8	3,645.92	8	3,988.99	8	4,331.93	8	4,673.43	8	5,013.70	8		8		8		8		8	
1/4	3,653.07	1/4	3,996.14	1/4	4,339.04	1/4	4,680.55	1/4	5,019.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.21	1/2	4,003.28	1/2	4,346.16	1/2	4,687.66	1/2	5,026.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.36	3/4	4,010.43	3/4	4,353.27	3/4	4,694.78	3/4	5,032.22	3/4		3/4		3/4		3/4		3/4	
9	3,674.51	9	4,017.58	9	4,360.39	9	4,701.89	9	5,038.40	9		9		9		9		9	
1/4	3,681.66	1/4	4,024.73	1/4	4,367.50	1/4	4,709.01	1/4	5,043.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.80	1/2	4,031.87	1/2	4,374.62	1/2	4,716.12	1/2	5,048.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.95	3/4	4,039.02	3/4	4,381.73	3/4	4,723.24	3/4	5,053.35	3/4		3/4		3/4		3/4		3/4	
10	3,703.10	10	4,046.17	10	4,388.85	10	4,730.35	10	5,058.34	10		10		10		10		10	
1/4	3,710.24	1/4	4,053.31	1/4	4,395.96	1/4	4,737.47	1/4	5,062.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,717.39	1/2	4,060.46	1/2	4,403.08	1/2	4,744.58	1/2	5,065.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,724.54	3/4	4,067.61	3/4	4,410.19	3/4	4,751.70	3/4	5,069.72	3/4		3/4		3/4		3/4		3/4	
11	3,731.69	11	4,074.76	11	4,417.31	11	4,758.81	11	5,073.51	11		11		11		11		11	
1/4	3,738.83	1/4	4,081.90	1/4	4,424.42	1/4	4,765.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.98	1/2	4,089.05	1/2	4,431.53	1/2	4,773.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.13	3/4	4,096.20	3/4	4,438.65	3/4	4,780.16	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 STBD**  
**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	14.70	0	344.08	0	688.00	0	1,031.57	0	1,375.36	0	1,719.29	0	2,063.22	0	2,407.15	0	2,751.08	0	3,095.00
1/4	19.17	1/4	351.25	1/4	695.16	1/4	1,038.72	1/4	1,382.52	1/4	1,726.45	1/4	2,070.38	1/4	2,414.31	1/4	2,758.24	1/4	3,102.16
1/2	23.65	1/2	358.41	1/2	702.33	1/2	1,045.87	1/2	1,389.69	1/2	1,733.62	1/2	2,077.55	1/2	2,421.48	1/2	2,765.41	1/2	3,109.33
3/4	28.13	3/4	365.58	3/4	709.49	3/4	1,053.02	3/4	1,396.85	3/4	1,740.78	3/4	2,084.71	3/4	2,428.64	3/4	2,772.57	3/4	3,116.49
1	32.61	1	372.74	1	716.66	1	1,060.17	1	1,404.02	1	1,747.95	1	2,091.88	1	2,435.81	1	2,779.74	1	3,123.65
1/4	38.88	1/4	379.91	1/4	723.82	1/4	1,067.32	1/4	1,411.19	1/4	1,755.11	1/4	2,099.04	1/4	2,442.97	1/4	2,786.90	1/4	3,130.81
1/2	45.14	1/2	387.07	1/2	730.99	1/2	1,074.47	1/2	1,418.35	1/2	1,762.28	1/2	2,106.21	1/2	2,450.14	1/2	2,794.07	1/2	3,137.98
3/4	51.41	3/4	394.24	3/4	738.15	3/4	1,081.62	3/4	1,425.52	3/4	1,769.44	3/4	2,113.37	3/4	2,457.30	3/4	2,801.23	3/4	3,145.14
2	57.68	2	401.40	2	745.32	2	1,088.78	2	1,432.68	2	1,776.61	2	2,120.54	2	2,464.47	2	2,808.40	2	3,152.30
1/4	64.81	1/4	408.57	1/4	752.48	1/4	1,095.93	1/4	1,439.85	1/4	1,783.78	1/4	2,127.70	1/4	2,471.63	1/4	2,815.56	1/4	3,159.47
1/2	71.94	1/2	415.73	1/2	759.65	1/2	1,103.09	1/2	1,447.01	1/2	1,790.94	1/2	2,134.87	1/2	2,478.80	1/2	2,822.73	1/2	3,166.63
3/4	79.07	3/4	422.90	3/4	766.81	3/4	1,110.25	3/4	1,454.18	3/4	1,798.11	3/4	2,142.04	3/4	2,485.96	3/4	2,829.89	3/4	3,173.79
3	86.19	3	430.06	3	773.98	3	1,117.41	3	1,461.34	3	1,805.27	3	2,149.20	3	2,493.13	3	2,837.06	3	3,180.96
1/4	93.35	1/4	437.23	1/4	781.14	1/4	1,124.58	1/4	1,468.51	1/4	1,812.44	1/4	2,156.37	1/4	2,500.30	1/4	2,844.22	1/4	3,188.12
1/2	100.50	1/2	444.39	1/2	788.31	1/2	1,131.74	1/2	1,475.67	1/2	1,819.60	1/2	2,163.53	1/2	2,507.46	1/2	2,851.39	1/2	3,195.28
3/4	107.66	3/4	451.56	3/4	795.47	3/4	1,138.91	3/4	1,482.84	3/4	1,826.77	3/4	2,170.70	3/4	2,514.63	3/4	2,858.56	3/4	3,202.45
4	114.81	4	458.72	4	802.64	4	1,146.07	4	1,490.00	4	1,833.93	4	2,177.86	4	2,521.79	4	2,865.72	4	3,209.61
1/4	121.98	1/4	465.89	1/4	809.80	1/4	1,153.24	1/4	1,497.17	1/4	1,841.10	1/4	2,185.03	1/4	2,528.96	1/4	2,872.89	1/4	3,216.77
1/2	129.14	1/2	473.05	1/2	816.97	1/2	1,160.40	1/2	1,504.33	1/2	1,848.26	1/2	2,192.19	1/2	2,536.12	1/2	2,880.05	1/2	3,223.94
3/4	136.30	3/4	480.22	3/4	824.13	3/4	1,167.57	3/4	1,511.50	3/4	1,855.43	3/4	2,199.36	3/4	2,543.29	3/4	2,887.22	3/4	3,231.10
5	143.47	5	487.38	5	831.30	5	1,174.73	5	1,518.66	5	1,862.59	5	2,206.52	5	2,550.45	5	2,894.38	5	3,238.26
1/4	150.63	1/4	494.55	1/4	838.46	1/4	1,181.90	1/4	1,525.83	1/4	1,869.76	1/4	2,213.69	1/4	2,557.62	1/4	2,901.55	1/4	3,245.43
1/2	157.80	1/2	501.71	1/2	845.62	1/2	1,189.06	1/2	1,532.99	1/2	1,876.92	1/2	2,220.85	1/2	2,564.78	1/2	2,908.71	1/2	3,252.59
3/4	164.96	3/4	508.88	3/4	852.78	3/4	1,196.23	3/4	1,540.16	3/4	1,884.09	3/4	2,228.02	3/4	2,571.95	3/4	2,915.88	3/4	3,259.75
6	172.13	6	516.04	6	859.94	6	1,203.39	6	1,547.32	6	1,891.25	6	2,235.18	6	2,579.11	6	2,923.04	6	3,266.92
1/4	179.29	1/4	523.21	1/4	867.09	1/4	1,210.56	1/4	1,554.49	1/4	1,898.42	1/4	2,242.35	1/4	2,586.28	1/4	2,930.21	1/4	3,274.08
1/2	186.46	1/2	530.37	1/2	874.24	1/2	1,217.72	1/2	1,561.65	1/2	1,905.58	1/2	2,249.51	1/2	2,593.44	1/2	2,937.37	1/2	3,281.24
3/4	193.62	3/4	537.54	3/4	881.39	3/4	1,224.89	3/4	1,568.82	3/4	1,912.75	3/4	2,256.68	3/4	2,600.61	3/4	2,944.54	3/4	3,288.41
7	200.79	7	544.70	7	888.54	7	1,232.06	7	1,575.98	7	1,919.91	7	2,263.84	7	2,607.77	7	2,951.70	7	3,295.57
1/4	207.95	1/4	551.87	1/4	895.70	1/4	1,239.22	1/4	1,583.15	1/4	1,927.08	1/4	2,271.01	1/4	2,614.94	1/4	2,958.87	1/4	3,302.73
1/2	215.12	1/2	559.03	1/2	902.85	1/2	1,246.39	1/2	1,590.31	1/2	1,934.24	1/2	2,278.17	1/2	2,622.10	1/2	2,966.03	1/2	3,309.89
3/4	222.28	3/4	566.20	3/4	910.00	3/4	1,253.55	3/4	1,597.48	3/4	1,941.41	3/4	2,285.34	3/4	2,629.27	3/4	2,973.20	3/4	3,317.06
8	229.45	8	573.36	8	917.15	8	1,260.72	8	1,604.65	8	1,948.57	8	2,292.50	8	2,636.43	8	2,980.36	8	3,324.22
1/4	236.61	1/4	580.53	1/4	924.30	1/4	1,267.88	1/4	1,611.81	1/4	1,955.74	1/4	2,299.67	1/4	2,643.60	1/4	2,987.53	1/4	3,331.38
1/2	243.78	1/2	587.69	1/2	931.45	1/2	1,275.05	1/2	1,618.98	1/2	1,962.91	1/2	2,306.83	1/2	2,650.76	1/2	2,994.69	1/2	3,338.55
3/4	250.94	3/4	594.86	3/4	938.60	3/4	1,282.21	3/4	1,626.14	3/4	1,970.07	3/4	2,314.00	3/4	2,657.93	3/4	3,001.86	3/4	3,345.71
9	258.11	9	602.02	9	945.75	9	1,289.38	9	1,633.31	9	1,977.24	9	2,321.17	9	2,665.09	9	3,009.02	9	3,352.87
1/4	265.27	1/4	609.19	1/4	952.90	1/4	1,296.54	1/4	1,640.47	1/4	1,984.40	1/4	2,328.33	1/4	2,672.26	1/4	3,016.19	1/4	3,360.04
1/2	272.44	1/2	616.35	1/2	960.05	1/2	1,303.71	1/2	1,647.64	1/2	1,991.57	1/2	2,335.50	1/2	2,679.43	1/2	3,023.35	1/2	3,367.20
3/4	279.60	3/4	623.52	3/4	967.21	3/4	1,310.87	3/4	1,654.80	3/4	1,998.73	3/4	2,342.66	3/4	2,686.59	3/4	3,030.52	3/4	3,374.36
10	286.77	10	630.68	10	974.36	10	1,318.04	10	1,661.97	10	2,005.90	10	2,349.83	10	2,693.76	10	3,037.69	10	3,381.53
1/4	293.93	1/4	637.85	1/4	981.51	1/4	1,325.20	1/4	1,669.13	1/4	2,013.06	1/4	2,356.99	1/4	2,700.92	1/4	3,044.85	1/4	3,388.69
1/2	301.09	1/2	645.01	1/2	988.66	1/2	1,332.37	1/2	1,676.30	1/2	2,020.23	1/2	2,364.16	1/2	2,708.09	1/2	3,052.02	1/2	3,395.85
3/4	308.26	3/4	652.17	3/4	995.81	3/4	1,339.53	3/4	1,683.46	3/4	2,027.39	3/4	2,371.32	3/4	2,715.25	3/4	3,059.18	3/4	3,403.02
11	315.42	11	659.34	11	1,002.96	11	1,346.70	11	1,690.63	11	2,034.56	11	2,378.49	11	2,722.42	11	3,066.35	11	3,410.18
1/4	322.59	1/4	666.50	1/4	1,010.11	1/4	1,353.86	1/4	1,697.79	1/4	2,041.72	1/4	2,385.65	1/4	2,729.58	1/4	3,073.51	1/4	3,417.34
1/2	329.75	1/2	673.67	1/2	1,017.26	1/2	1,361.03	1/2	1,704.96	1/2	2,048.89	1/2	2,392.82	1/2	2,736.75	1/2	3,080.67	1/2	3,424.51
3/4	336.92	3/4	680.83	3/4	1,024.42	3/4	1,368.19	3/4	1,712.12	3/4	2,056.05	3/4	2,399.98	3/4	2,743.91	3/4	3,087.84	3/4	3,431.67

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 3314"

formerly the  
BARGE "FMT 3314"

**2 STBD**  
**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	3,438.83	0	3,782.69	0	4,126.62	0	4,469.90	0	4,812.26	0		0		0		0		0	
1/4	3,446.00	1/4	3,789.86	1/4	4,133.78	1/4	4,477.03	1/4	4,819.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.16	1/2	3,797.02	1/2	4,140.95	1/2	4,484.16	1/2	4,826.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,460.32	3/4	3,804.19	3/4	4,148.12	3/4	4,491.29	3/4	4,833.65	3/4		3/4		3/4		3/4		3/4	
1	3,467.49	1	3,811.35	1	4,155.28	1	4,498.43	1	4,840.79	1		1		1		1		1	
1/4	3,474.65	1/4	3,818.52	1/4	4,162.45	1/4	4,505.56	1/4	4,847.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,481.81	1/2	3,825.68	1/2	4,169.61	1/2	4,512.69	1/2	4,855.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,488.97	3/4	3,832.85	3/4	4,176.78	3/4	4,519.82	3/4	4,862.18	3/4		3/4		3/4		3/4		3/4	
2	3,496.14	2	3,840.01	2	4,183.94	2	4,526.96	2	4,869.32	2		2		2		2		2	
1/4	3,503.30	1/4	3,847.18	1/4	4,191.11	1/4	4,534.09	1/4	4,876.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,510.46	1/2	3,854.34	1/2	4,198.27	1/2	4,541.22	1/2	4,883.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,517.63	3/4	3,861.51	3/4	4,205.44	3/4	4,548.35	3/4	4,890.71	3/4		3/4		3/4		3/4		3/4	
3	3,524.79	3	3,868.67	3	4,212.60	3	4,555.49	3	4,897.85	3		3		3		3		3	
1/4	3,531.95	1/4	3,875.84	1/4	4,219.77	1/4	4,562.62	1/4	4,904.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,539.12	1/2	3,883.00	1/2	4,226.93	1/2	4,569.75	1/2	4,912.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.28	3/4	3,890.17	3/4	4,234.10	3/4	4,576.88	3/4	4,919.11	3/4		3/4		3/4		3/4		3/4	
4	3,553.44	4	3,897.33	4	4,241.26	4	4,584.02	4	4,926.19	4		4		4		4		4	
1/4	3,560.61	1/4	3,904.50	1/4	4,248.43	1/4	4,591.15	1/4	4,933.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,567.77	1/2	3,911.66	1/2	4,255.59	1/2	4,598.28	1/2	4,940.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.93	3/4	3,918.83	3/4	4,262.76	3/4	4,605.41	3/4	4,947.45	3/4		3/4		3/4		3/4		3/4	
5	3,582.10	5	3,925.99	5	4,269.92	5	4,612.55	5	4,954.54	5		5		5		5		5	
1/4	3,589.26	1/4	3,933.16	1/4	4,277.09	1/4	4,619.68	1/4	4,961.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,596.42	1/2	3,940.32	1/2	4,284.25	1/2	4,626.81	1/2	4,968.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.59	3/4	3,947.49	3/4	4,291.42	3/4	4,633.94	3/4	4,975.80	3/4		3/4		3/4		3/4		3/4	
6	3,610.75	6	3,954.65	6	4,298.58	6	4,641.08	6	4,982.88	6		6		6		6		6	
1/4	3,617.91	1/4	3,961.82	1/4	4,305.75	1/4	4,648.21	1/4	4,989.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.08	1/2	3,968.99	1/2	4,312.91	1/2	4,655.34	1/2	4,997.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.24	3/4	3,976.15	3/4	4,320.08	3/4	4,662.47	3/4	5,004.10	3/4		3/4		3/4		3/4		3/4	
7	3,639.40	7	3,983.32	7	4,327.25	7	4,669.61	7	5,011.18	7		7		7		7		7	
1/4	3,646.57	1/4	3,990.48	1/4	4,334.38	1/4	4,676.74	1/4	5,018.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.73	1/2	3,997.65	1/2	4,341.51	1/2	4,683.87	1/2	5,025.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,660.89	3/4	4,004.81	3/4	4,348.64	3/4	4,691.00	3/4	5,032.23	3/4		3/4		3/4		3/4		3/4	
8	3,668.05	8	4,011.98	8	4,355.78	8	4,698.14	8	5,039.25	8		8		8		8		8	
1/4	3,675.22	1/4	4,019.14	1/4	4,362.91	1/4	4,705.27	1/4	5,045.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,682.38	1/2	4,026.31	1/2	4,370.04	1/2	4,712.40	1/2	5,051.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,689.54	3/4	4,033.47	3/4	4,377.17	3/4	4,719.53	3/4	5,057.83	3/4		3/4		3/4		3/4		3/4	
9	3,696.71	9	4,040.64	9	4,384.31	9	4,726.67	9	5,064.02	9		9		9		9		9	
1/4	3,703.87	1/4	4,047.80	1/4	4,391.44	1/4	4,733.80	1/4	5,069.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,711.04	1/2	4,054.97	1/2	4,398.57	1/2	4,740.93	1/2	5,074.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,718.20	3/4	4,062.13	3/4	4,405.70	3/4	4,748.06	3/4	5,079.01	3/4		3/4		3/4		3/4		3/4	
10	3,725.37	10	4,069.30	10	4,412.84	10	4,755.20	10	5,084.01	10		10		10		10		10	
1/4	3,732.53	1/4	4,076.46	1/4	4,419.97	1/4	4,762.33	1/4	5,087.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,739.70	1/2	4,083.63	1/2	4,427.10	1/2	4,769.46	1/2	5,091.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,746.86	3/4	4,090.79	3/4	4,434.23	3/4	4,776.59	3/4	5,095.42	3/4		3/4		3/4		3/4		3/4	
11	3,754.03	11	4,097.96	11	4,441.37	11	4,783.73	11	5,099.22	11		11		11		11		11	
1/4	3,761.19	1/4	4,105.12	1/4	4,448.50	1/4	4,790.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.36	1/2	4,112.29	1/2	4,455.63	1/2	4,797.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.52	3/4	4,119.45	3/4	4,462.76	3/4	4,805.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**3 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	14.60	0	341.88	0	683.09	0	1,014.66	0	1,351.16	0	1,692.26	0	2,033.36	0	2,374.45	0	2,715.52	0	3,056.74
1/4	19.05	1/4	349.00	1/4	690.20	1/4	1,021.46	1/4	1,358.27	1/4	1,699.36	1/4	2,040.46	1/4	2,381.56	1/4	2,722.62	1/4	3,063.84
1/2	23.50	1/2	356.12	1/2	697.30	1/2	1,028.26	1/2	1,365.37	1/2	1,706.47	1/2	2,047.57	1/2	2,388.67	1/2	2,729.73	1/2	3,070.94
3/4	27.95	3/4	363.24	3/4	704.41	3/4	1,035.05	3/4	1,372.48	3/4	1,713.58	3/4	2,054.67	3/4	2,395.77	3/4	2,736.83	3/4	3,078.04
1	32.40	1	370.36	1	711.52	1	1,041.85	1	1,379.59	1	1,720.68	1	2,061.78	1	2,402.88	1	2,743.94	1	3,085.14
1/4	38.63	1/4	377.47	1/4	718.63	1/4	1,048.65	1/4	1,386.69	1/4	1,727.79	1/4	2,068.89	1/4	2,409.98	1/4	2,751.04	1/4	3,092.25
1/2	44.86	1/2	384.57	1/2	725.73	1/2	1,055.45	1/2	1,393.80	1/2	1,734.90	1/2	2,075.99	1/2	2,417.09	1/2	2,758.15	1/2	3,099.35
3/4	51.08	3/4	391.68	3/4	732.84	3/4	1,062.24	3/4	1,400.90	3/4	1,742.00	3/4	2,083.10	3/4	2,424.20	3/4	2,765.25	3/4	3,106.45
2	57.31	2	398.79	2	739.95	2	1,069.04	2	1,408.01	2	1,749.11	2	2,090.21	2	2,431.30	2	2,772.36	2	3,113.55
1/4	64.39	1/4	405.90	1/4	747.06	1/4	1,075.85	1/4	1,415.12	1/4	1,756.21	1/4	2,097.31	1/4	2,438.41	1/4	2,779.46	1/4	3,120.63
1/2	71.48	1/2	413.00	1/2	754.16	1/2	1,082.65	1/2	1,422.22	1/2	1,763.32	1/2	2,104.42	1/2	2,445.52	1/2	2,786.57	1/2	3,127.72
3/4	78.56	3/4	420.11	3/4	761.27	3/4	1,089.46	3/4	1,429.33	3/4	1,770.43	3/4	2,111.52	3/4	2,452.62	3/4	2,793.67	3/4	3,134.80
3	85.64	3	427.22	3	768.38	3	1,096.26	3	1,436.43	3	1,777.53	3	2,118.63	3	2,459.73	3	2,800.78	3	3,141.88
1/4	92.75	1/4	434.33	1/4	775.49	1/4	1,103.14	1/4	1,443.54	1/4	1,784.64	1/4	2,125.74	1/4	2,466.83	1/4	2,807.88	1/4	3,148.97
1/2	99.86	1/2	441.43	1/2	782.59	1/2	1,110.01	1/2	1,450.65	1/2	1,791.74	1/2	2,132.84	1/2	2,473.94	1/2	2,814.99	1/2	3,156.05
3/4	106.97	3/4	448.54	3/4	789.70	3/4	1,116.89	3/4	1,457.75	3/4	1,798.85	3/4	2,139.95	3/4	2,481.05	3/4	2,822.09	3/4	3,163.14
4	114.08	4	455.65	4	796.81	4	1,123.76	4	1,464.86	4	1,805.96	4	2,147.05	4	2,488.15	4	2,829.20	4	3,170.22
1/4	121.20	1/4	462.76	1/4	803.68	1/4	1,130.87	1/4	1,471.97	1/4	1,813.06	1/4	2,154.16	1/4	2,495.26	1/4	2,836.30	1/4	3,177.30
1/2	128.31	1/2	469.86	1/2	810.56	1/2	1,137.97	1/2	1,479.07	1/2	1,820.17	1/2	2,161.27	1/2	2,502.36	1/2	2,843.41	1/2	3,184.39
3/4	135.43	3/4	476.97	3/4	817.44	3/4	1,145.08	3/4	1,486.18	3/4	1,827.28	3/4	2,168.37	3/4	2,509.47	3/4	2,850.51	3/4	3,191.47
5	142.55	5	484.08	5	824.31	5	1,152.19	5	1,493.28	5	1,834.38	5	2,175.48	5	2,516.57	5	2,857.62	5	3,198.56
1/4	149.67	1/4	491.19	1/4	831.12	1/4	1,159.29	1/4	1,500.39	1/4	1,841.49	1/4	2,182.59	1/4	2,523.68	1/4	2,864.72	1/4	3,205.64
1/2	156.79	1/2	498.29	1/2	837.92	1/2	1,166.40	1/2	1,507.50	1/2	1,848.59	1/2	2,189.69	1/2	2,530.78	1/2	2,871.83	1/2	3,212.72
3/4	163.91	3/4	505.40	3/4	844.73	3/4	1,173.51	3/4	1,514.60	3/4	1,855.70	3/4	2,196.80	3/4	2,537.89	3/4	2,878.93	3/4	3,219.81
6	171.02	6	512.51	6	851.53	6	1,180.61	6	1,521.71	6	1,862.81	6	2,203.90	6	2,544.99	6	2,886.04	6	3,226.89
1/4	178.14	1/4	519.62	1/4	858.33	1/4	1,187.72	1/4	1,528.82	1/4	1,869.91	1/4	2,211.01	1/4	2,552.10	1/4	2,893.14	1/4	3,233.98
1/2	185.26	1/2	526.72	1/2	865.13	1/2	1,194.82	1/2	1,535.92	1/2	1,877.02	1/2	2,218.12	1/2	2,559.20	1/2	2,900.25	1/2	3,241.06
3/4	192.38	3/4	533.83	3/4	871.92	3/4	1,201.93	3/4	1,543.03	3/4	1,884.13	3/4	2,225.22	3/4	2,566.31	3/4	2,907.35	3/4	3,248.14
7	199.50	7	540.94	7	878.72	7	1,209.04	7	1,550.13	7	1,891.23	7	2,232.33	7	2,573.41	7	2,914.46	7	3,255.23
1/4	206.62	1/4	548.05	1/4	885.52	1/4	1,216.14	1/4	1,557.24	1/4	1,898.34	1/4	2,239.44	1/4	2,580.52	1/4	2,921.58	1/4	3,262.31
1/2	213.74	1/2	555.15	1/2	892.31	1/2	1,223.25	1/2	1,564.35	1/2	1,905.44	1/2	2,246.54	1/2	2,587.62	1/2	2,928.69	1/2	3,269.40
3/4	220.86	3/4	562.26	3/4	899.11	3/4	1,230.36	3/4	1,571.45	3/4	1,912.55	3/4	2,253.65	3/4	2,594.73	3/4	2,935.81	3/4	3,276.48
8	227.98	8	569.37	8	905.91	8	1,237.46	8	1,578.56	8	1,919.66	8	2,260.75	8	2,601.83	8	2,942.93	8	3,283.57
1/4	235.10	1/4	576.48	1/4	912.70	1/4	1,244.57	1/4	1,585.67	1/4	1,926.76	1/4	2,267.86	1/4	2,608.94	1/4	2,950.04	1/4	3,290.65
1/2	242.22	1/2	583.58	1/2	919.50	1/2	1,251.67	1/2	1,592.77	1/2	1,933.87	1/2	2,274.97	1/2	2,616.04	1/2	2,957.16	1/2	3,297.74
3/4	249.34	3/4	590.69	3/4	926.30	3/4	1,258.78	3/4	1,599.88	3/4	1,940.98	3/4	2,282.07	3/4	2,623.15	3/4	2,964.28	3/4	3,304.83
9	256.45	9	597.80	9	933.10	9	1,265.89	9	1,606.98	9	1,948.08	9	2,289.18	9	2,630.25	9	2,971.40	9	3,311.91
1/4	263.57	1/4	604.91	1/4	939.89	1/4	1,272.99	1/4	1,614.09	1/4	1,955.19	1/4	2,296.29	1/4	2,637.36	1/4	2,978.51	1/4	3,319.00
1/2	270.69	1/2	612.01	1/2	946.69	1/2	1,280.10	1/2	1,621.20	1/2	1,962.29	1/2	2,303.39	1/2	2,644.46	1/2	2,985.63	1/2	3,326.08
3/4	277.81	3/4	619.12	3/4	953.49	3/4	1,287.20	3/4	1,628.30	3/4	1,969.40	3/4	2,310.50	3/4	2,651.57	3/4	2,992.75	3/4	3,333.17
10	284.93	10	626.23	10	960.28	10	1,294.31	10	1,635.41	10	1,976.51	10	2,317.60	10	2,658.67	10	2,999.86	10	3,340.25
1/4	292.05	1/4	633.34	1/4	967.08	1/4	1,301.42	1/4	1,642.51	1/4	1,983.61	1/4	2,324.71	1/4	2,665.78	1/4	3,006.98	1/4	3,347.34
1/2	299.17	1/2	640.44	1/2	973.88	1/2	1,308.52	1/2	1,649.62	1/2	1,990.72	1/2	2,331.82	1/2	2,672.89	1/2	3,014.10	1/2	3,354.43
3/4	306.29	3/4	647.55	3/4	980.68	3/4	1,315.63	3/4	1,656.73	3/4	1,997.82	3/4	2,338.92	3/4	2,679.99	3/4	3,021.22	3/4	3,361.52
11	313.41	11	654.66	11	987.47	11	1,322.74	11	1,663.83	11	2,004.93	11	2,346.03	11	2,687.10	11	3,028.33	11	3,368.61
1/4	320.53	1/4	661.77	1/4	994.27	1/4	1,329.84	1/4	1,670.94	1/4	2,012.04	1/4	2,353.13	1/4	2,694.20	1/4	3,035.44	1/4	3,375.70
1/2	327.65	1/2	668.87	1/2	1,001.07	1/2	1,336.95	1/2	1,678.05	1/2	2,019.14	1/2	2,360.24	1/2	2,701.31	1/2	3,042.54	1/2	3,382.79
3/4	334.76	3/4	675.98	3/4	1,007.86	3/4	1,344.05	3/4	1,685.15	3/4	2,026.25	3/4	2,367.35	3/4	2,708.41	3/4	3,049.64	3/4	3,389.88

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 3314"

formerly the  
BARGE "FMT 3314"

**3 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	3,374.89	0	3,583.74	0	3,793.16	0	4,002.21	0	4,210.72	0		0		0		0		0	
1/4	3,379.23	1/4	3,588.10	1/4	3,797.53	1/4	4,006.55	1/4	4,215.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,383.58	1/2	3,592.47	1/2	3,801.89	1/2	4,010.90	1/2	4,219.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,387.93	3/4	3,596.83	3/4	3,806.25	3/4	4,015.24	3/4	4,223.75	3/4		3/4		3/4		3/4		3/4	
1	3,392.27	1	3,601.19	1	3,810.62	1	4,019.58	1	4,228.10	1		1		1		1		1	
1/4	3,396.62	1/4	3,605.56	1/4	3,814.98	1/4	4,023.93	1/4	4,232.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,400.97	1/2	3,609.92	1/2	3,819.34	1/2	4,028.27	1/2	4,236.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,405.32	3/4	3,614.28	3/4	3,823.71	3/4	4,032.62	3/4	4,241.13	3/4		3/4		3/4		3/4		3/4	
2	3,409.66	2	3,618.64	2	3,828.07	2	4,036.96	2	4,245.47	2		2		2		2		2	
1/4	3,414.01	1/4	3,623.01	1/4	3,832.43	1/4	4,041.30	1/4	4,249.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,418.36	1/2	3,627.37	1/2	3,836.79	1/2	4,045.65	1/2	4,254.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,422.70	3/4	3,631.73	3/4	3,841.16	3/4	4,049.99	3/4	4,258.50	3/4		3/4		3/4		3/4		3/4	
3	3,427.05	3	3,636.10	3	3,845.52	3	4,054.34	3	4,262.85	3		3		3		3		3	
1/4	3,431.40	1/4	3,640.46	1/4	3,849.88	1/4	4,058.68	1/4	4,267.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,435.75	1/2	3,644.82	1/2	3,854.25	1/2	4,063.02	1/2	4,271.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.09	3/4	3,649.19	3/4	3,858.61	3/4	4,067.37	3/4	4,275.80	3/4		3/4		3/4		3/4		3/4	
4	3,444.44	4	3,653.55	4	3,862.97	4	4,071.71	4	4,280.11	4		4		4		4		4	
1/4	3,448.79	1/4	3,657.91	1/4	3,867.34	1/4	4,076.06	1/4	4,284.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.13	1/2	3,662.27	1/2	3,871.70	1/2	4,080.40	1/2	4,288.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,457.48	3/4	3,666.64	3/4	3,876.06	3/4	4,084.74	3/4	4,293.06	3/4		3/4		3/4		3/4		3/4	
5	3,461.83	5	3,671.00	5	3,880.42	5	4,089.09	5	4,297.38	5		5		5		5		5	
1/4	3,466.18	1/4	3,675.36	1/4	3,884.79	1/4	4,093.43	1/4	4,301.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,470.52	1/2	3,679.73	1/2	3,889.15	1/2	4,097.78	1/2	4,306.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,474.87	3/4	3,684.09	3/4	3,893.51	3/4	4,102.12	3/4	4,310.32	3/4		3/4		3/4		3/4		3/4	
6	3,479.22	6	3,688.45	6	3,897.88	6	4,106.46	6	4,314.63	6		6		6		6		6	
1/4	3,483.57	1/4	3,692.82	1/4	3,902.24	1/4	4,110.81	1/4	4,318.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.91	1/2	3,697.18	1/2	3,906.60	1/2	4,115.15	1/2	4,323.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.26	3/4	3,701.54	3/4	3,910.97	3/4	4,119.50	3/4	4,327.54	3/4		3/4		3/4		3/4		3/4	
7	3,496.61	7	3,705.90	7	3,915.33	7	4,123.84	7	4,331.84	7		7		7		7		7	
1/4	3,500.95	1/4	3,710.27	1/4	3,919.67	1/4	4,128.18	1/4	4,336.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,505.30	1/2	3,714.63	1/2	3,924.02	1/2	4,132.53	1/2	4,340.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,509.65	3/4	3,718.99	3/4	3,928.36	3/4	4,136.87	3/4	4,344.58	3/4		3/4		3/4		3/4		3/4	
8	3,514.00	8	3,723.36	8	3,932.70	8	4,141.22	8	4,348.83	8		8		8		8		8	
1/4	3,518.34	1/4	3,727.72	1/4	3,937.05	1/4	4,145.56	1/4	4,352.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.69	1/2	3,732.08	1/2	3,941.39	1/2	4,149.90	1/2	4,355.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.04	3/4	3,736.45	3/4	3,945.74	3/4	4,154.25	3/4	4,359.11	3/4		3/4		3/4		3/4		3/4	
9	3,531.38	9	3,740.81	9	3,950.08	9	4,158.59	9	4,362.54	9		9		9		9		9	
1/4	3,535.75	1/4	3,745.17	1/4	3,954.42	1/4	4,162.94	1/4	4,366.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.11	1/2	3,749.53	1/2	3,958.77	1/2	4,167.28	1/2	4,367.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,544.47	3/4	3,753.90	3/4	3,963.11	3/4	4,171.62	3/4	4,369.26	3/4		3/4		3/4		3/4		3/4	
10	3,548.84	10	3,758.26	10	3,967.46	10	4,175.97	10	4,371.50	10		10		10		10		10	
1/4	3,553.20	1/4	3,762.62	1/4	3,971.80	1/4	4,180.31	1/4	4,373.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.56	1/2	3,766.99	1/2	3,976.14	1/2	4,184.66	1/2	4,374.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.93	3/4	3,771.35	3/4	3,980.49	3/4	4,189.00	3/4	4,376.61	3/4		3/4		3/4		3/4		3/4	
11	3,566.29	11	3,775.71	11	3,984.83	11	4,193.34	11	4,378.32	11		11		11		11		11	
1/4	3,570.65	1/4	3,780.08	1/4	3,989.18	1/4	4,197.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.01	1/2	3,784.44	1/2	3,993.52	1/2	4,202.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.38	3/4	3,788.80	3/4	3,997.86	3/4	4,206.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

## 3 STBD INNAGE TABLE

### HERMETIC GAUGE HEIGHT 16'-04 1/2"

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	14.66	0	343.19	0	686.21	0	1,028.88	0	1,371.77	0	1,714.81	0	2,057.84	0	2,400.87	0	2,743.63	0	3,085.79
1/4	19.13	1/4	350.34	1/4	693.36	1/4	1,036.01	1/4	1,378.92	1/4	1,721.95	1/4	2,064.98	1/4	2,408.02	1/4	2,750.76	1/4	3,092.92
1/2	23.59	1/2	357.48	1/2	700.50	1/2	1,043.14	1/2	1,386.07	1/2	1,729.10	1/2	2,072.13	1/2	2,415.16	1/2	2,757.89	1/2	3,100.04
3/4	28.06	3/4	364.63	3/4	707.65	3/4	1,050.28	3/4	1,393.21	3/4	1,736.24	3/4	2,079.28	3/4	2,422.31	3/4	2,765.01	3/4	3,107.17
1	32.52	1	371.77	1	714.80	1	1,057.41	1	1,400.36	1	1,743.39	1	2,086.42	1	2,429.46	1	2,772.14	1	3,114.30
1/4	38.78	1/4	378.92	1/4	721.94	1/4	1,064.54	1/4	1,407.51	1/4	1,750.54	1/4	2,093.57	1/4	2,436.60	1/4	2,779.27	1/4	3,121.43
1/2	45.03	1/2	386.07	1/2	729.09	1/2	1,071.67	1/2	1,414.65	1/2	1,757.68	1/2	2,100.72	1/2	2,443.75	1/2	2,786.40	1/2	3,128.56
3/4	51.28	3/4	393.21	3/4	736.24	3/4	1,078.81	3/4	1,421.80	3/4	1,764.83	3/4	2,107.86	3/4	2,450.89	3/4	2,793.53	3/4	3,135.69
2	57.53	2	400.36	2	743.38	2	1,085.94	2	1,428.95	2	1,771.98	2	2,115.01	2	2,458.04	2	2,800.66	2	3,142.81
1/4	64.64	1/4	407.51	1/4	750.53	1/4	1,093.08	1/4	1,436.09	1/4	1,779.12	1/4	2,122.16	1/4	2,465.19	1/4	2,807.78	1/4	3,149.92
1/2	71.75	1/2	414.65	1/2	757.68	1/2	1,100.22	1/2	1,443.24	1/2	1,786.27	1/2	2,129.30	1/2	2,472.33	1/2	2,814.91	1/2	3,157.04
3/4	78.86	3/4	421.80	3/4	764.82	3/4	1,107.36	3/4	1,450.38	3/4	1,793.42	3/4	2,136.45	3/4	2,479.48	3/4	2,822.04	3/4	3,164.15
3	85.97	3	428.95	3	771.97	3	1,114.50	3	1,457.53	3	1,800.56	3	2,143.60	3	2,486.63	3	2,829.17	3	3,171.26
1/4	93.11	1/4	436.09	1/4	779.11	1/4	1,121.65	1/4	1,464.68	1/4	1,807.71	1/4	2,150.74	1/4	2,493.77	1/4	2,836.30	1/4	3,178.37
1/2	100.24	1/2	443.24	1/2	786.26	1/2	1,128.79	1/2	1,471.82	1/2	1,814.86	1/2	2,157.89	1/2	2,500.92	1/2	2,843.43	1/2	3,185.48
3/4	107.38	3/4	450.38	3/4	793.41	3/4	1,135.94	3/4	1,478.97	3/4	1,822.00	3/4	2,165.03	3/4	2,508.07	3/4	2,850.55	3/4	3,192.59
4	114.51	4	457.53	4	800.55	4	1,143.09	4	1,486.12	4	1,829.15	4	2,172.18	4	2,515.21	4	2,857.68	4	3,199.70
1/4	121.66	1/4	464.68	1/4	807.70	1/4	1,150.23	1/4	1,493.26	1/4	1,836.30	1/4	2,179.33	1/4	2,522.36	1/4	2,864.81	1/4	3,206.81
1/2	128.80	1/2	471.82	1/2	814.85	1/2	1,157.38	1/2	1,500.41	1/2	1,843.44	1/2	2,186.47	1/2	2,529.51	1/2	2,871.94	1/2	3,213.92
3/4	135.95	3/4	478.97	3/4	821.99	3/4	1,164.52	3/4	1,507.56	3/4	1,850.59	3/4	2,193.62	3/4	2,536.66	3/4	2,879.07	3/4	3,221.03
5	143.09	5	486.12	5	829.14	5	1,171.67	5	1,514.70	5	1,857.74	5	2,200.77	5	2,543.80	5	2,886.20	5	3,228.14
1/4	150.24	1/4	493.26	1/4	836.28	1/4	1,178.82	1/4	1,521.85	1/4	1,864.88	1/4	2,207.91	1/4	2,550.95	1/4	2,893.32	1/4	3,235.26
1/2	157.39	1/2	500.41	1/2	843.42	1/2	1,185.96	1/2	1,529.00	1/2	1,872.03	1/2	2,215.06	1/2	2,558.10	1/2	2,900.45	1/2	3,242.37
3/4	164.53	3/4	507.55	3/4	850.56	3/4	1,193.11	3/4	1,536.14	3/4	1,879.17	3/4	2,222.21	3/4	2,565.25	3/4	2,907.58	3/4	3,249.48
6	171.68	6	514.70	6	857.70	6	1,200.26	6	1,543.29	6	1,886.32	6	2,229.35	6	2,572.39	6	2,914.71	6	3,256.59
1/4	178.82	1/4	521.85	1/4	864.83	1/4	1,207.40	1/4	1,550.44	1/4	1,893.47	1/4	2,236.50	1/4	2,579.54	1/4	2,921.84	1/4	3,263.70
1/2	185.97	1/2	528.99	1/2	871.96	1/2	1,214.55	1/2	1,557.58	1/2	1,900.61	1/2	2,243.65	1/2	2,586.69	1/2	2,928.96	1/2	3,270.81
3/4	193.12	3/4	536.14	3/4	879.10	3/4	1,221.70	3/4	1,564.73	3/4	1,907.76	3/4	2,250.79	3/4	2,593.84	3/4	2,936.09	3/4	3,277.92
7	200.26	7	543.29	7	886.23	7	1,228.84	7	1,571.88	7	1,914.91	7	2,257.94	7	2,600.99	7	2,943.22	7	3,285.03
1/4	207.41	1/4	550.43	1/4	893.36	1/4	1,235.99	1/4	1,579.02	1/4	1,922.05	1/4	2,265.09	1/4	2,608.13	1/4	2,950.35	1/4	3,292.14
1/2	214.56	1/2	557.58	1/2	900.49	1/2	1,243.14	1/2	1,586.17	1/2	1,929.20	1/2	2,272.23	1/2	2,615.28	1/2	2,957.48	1/2	3,299.25
3/4	221.70	3/4	564.72	3/4	907.63	3/4	1,250.28	3/4	1,593.31	3/4	1,936.35	3/4	2,279.38	3/4	2,622.43	3/4	2,964.61	3/4	3,306.36
8	228.85	8	571.87	8	914.76	8	1,257.43	8	1,600.46	8	1,943.49	8	2,286.53	8	2,629.58	8	2,971.73	8	3,313.48
1/4	236.00	1/4	579.02	1/4	921.89	1/4	1,264.58	1/4	1,607.61	1/4	1,950.64	1/4	2,293.67	1/4	2,636.70	1/4	2,978.86	1/4	3,320.59
1/2	243.14	1/2	586.16	1/2	929.02	1/2	1,271.72	1/2	1,614.75	1/2	1,957.79	1/2	2,300.82	1/2	2,643.83	1/2	2,985.99	1/2	3,327.70
3/4	250.29	3/4	593.31	3/4	936.16	3/4	1,278.87	3/4	1,621.90	3/4	1,964.93	3/4	2,307.96	3/4	2,650.96	3/4	2,993.12	3/4	3,334.81
9	257.43	9	600.46	9	943.29	9	1,286.02	9	1,629.05	9	1,972.08	9	2,315.11	9	2,658.09	9	3,000.25	9	3,341.92
1/4	264.58	1/4	607.60	1/4	950.42	1/4	1,293.16	1/4	1,636.19	1/4	1,979.23	1/4	2,322.26	1/4	2,665.22	1/4	3,007.38	1/4	3,349.03
1/2	271.73	1/2	614.75	1/2	957.55	1/2	1,300.31	1/2	1,643.34	1/2	1,986.37	1/2	2,329.40	1/2	2,672.35	1/2	3,014.50	1/2	3,356.14
3/4	278.87	3/4	621.90	3/4	964.69	3/4	1,307.45	3/4	1,650.49	3/4	1,993.52	3/4	2,336.55	3/4	2,679.47	3/4	3,021.63	3/4	3,363.25
10	286.02	10	629.04	10	971.82	10	1,314.60	10	1,657.63	10	2,000.67	10	2,343.70	10	2,686.60	10	3,028.76	10	3,370.36
1/4	293.17	1/4	636.19	1/4	978.95	1/4	1,321.75	1/4	1,664.78	1/4	2,007.81	1/4	2,350.84	1/4	2,693.73	1/4	3,035.89	1/4	3,377.47
1/2	300.31	1/2	643.33	1/2	986.08	1/2	1,328.89	1/2	1,671.93	1/2	2,014.96	1/2	2,357.99	1/2	2,700.86	1/2	3,043.02	1/2	3,379.06
3/4	307.46	3/4	650.48	3/4	993.22	3/4	1,336.04	3/4	1,679.07	3/4	2,022.10	3/4	2,365.14	3/4	2,707.99	3/4	3,050.15	3/4	3,383.40
11	314.60	11	657.63	11	1,000.35	11	1,343.19	11	1,686.22	11	2,029.25	11	2,372.28	11	2,715.12	11	3,057.27	11	3,387.75
1/4	321.75	1/4	664.77	1/4	1,007.48	1/4	1,350.33	1/4	1,693.37	1/4	2,036.40	1/4	2,379.43	1/4	2,722.24	1/4	3,064.40	1/4	3,392.10
1/2	328.90	1/2	671.92	1/2	1,014.61	1/2	1,357.48	1/2	1,700.51	1/2	2,043.54	1/2	2,386.58	1/2	2,729.37	1/2	3,071.53	1/2	3,396.44
3/4	336.04	3/4	679.07	3/4	1,021.75	3/4	1,364.63	3/4	1,707.66	3/4	2,050.69	3/4	2,393.72	3/4	2,736.50	3/4	3,078.66	3/4	3,400.79

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 "HSM3314"

formerly the  
BARGE "FMT 3314"

**3 STBD**  
**INNAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

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	3,405.14	0	3,615.52	0	3,825.90	0	4,035.89	0	4,245.35	0		0		0		0		0	
1/4	3,409.52	1/4	3,619.90	1/4	3,830.28	1/4	4,040.26	1/4	4,249.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,413.90	1/2	3,624.28	1/2	3,834.66	1/2	4,044.62	1/2	4,254.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,418.29	3/4	3,628.67	3/4	3,839.05	3/4	4,048.98	3/4	4,258.44	3/4		3/4		3/4		3/4		3/4	
1	3,422.67	1	3,633.05	1	3,843.43	1	4,053.35	1	4,262.80	1		1		1		1		1	
1/4	3,427.05	1/4	3,637.43	1/4	3,847.81	1/4	4,057.71	1/4	4,267.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.44	1/2	3,641.82	1/2	3,852.19	1/2	4,062.07	1/2	4,271.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,435.82	3/4	3,646.20	3/4	3,856.58	3/4	4,066.44	3/4	4,275.90	3/4		3/4		3/4		3/4		3/4	
2	3,440.20	2	3,650.58	2	3,860.96	2	4,070.80	2	4,280.26	2		2		2		2		2	
1/4	3,444.58	1/4	3,654.96	1/4	3,865.34	1/4	4,075.17	1/4	4,284.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,448.97	1/2	3,659.35	1/2	3,869.73	1/2	4,079.53	1/2	4,288.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,453.35	3/4	3,663.73	3/4	3,874.11	3/4	4,083.89	3/4	4,293.35	3/4		3/4		3/4		3/4		3/4	
3	3,457.73	3	3,668.11	3	3,878.49	3	4,088.26	3	4,297.71	3		3		3		3		3	
1/4	3,462.12	1/4	3,672.50	1/4	3,882.87	1/4	4,092.62	1/4	4,302.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,466.50	1/2	3,676.88	1/2	3,887.26	1/2	4,096.98	1/2	4,306.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.88	3/4	3,681.26	3/4	3,891.64	3/4	4,101.35	3/4	4,310.72	3/4		3/4		3/4		3/4		3/4	
4	3,475.27	4	3,685.64	4	3,896.02	4	4,105.71	4	4,315.06	4		4		4		4		4	
1/4	3,479.65	1/4	3,690.03	1/4	3,900.41	1/4	4,110.08	1/4	4,319.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,484.03	1/2	3,694.41	1/2	3,904.79	1/2	4,114.44	1/2	4,323.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,488.41	3/4	3,698.79	3/4	3,909.17	3/4	4,118.80	3/4	4,328.07	3/4		3/4		3/4		3/4		3/4	
5	3,492.80	5	3,703.18	5	3,913.56	5	4,123.17	5	4,332.40	5		5		5		5		5	
1/4	3,497.18	1/4	3,707.56	1/4	3,917.94	1/4	4,127.53	1/4	4,336.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,501.56	1/2	3,711.94	1/2	3,922.32	1/2	4,131.89	1/2	4,341.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,505.95	3/4	3,716.32	3/4	3,926.70	3/4	4,136.26	3/4	4,345.40	3/4		3/4		3/4		3/4		3/4	
6	3,510.33	6	3,720.71	6	3,931.09	6	4,140.62	6	4,349.73	6		6		6		6		6	
1/4	3,514.71	1/4	3,725.09	1/4	3,935.47	1/4	4,144.98	1/4	4,354.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,519.09	1/2	3,729.47	1/2	3,939.85	1/2	4,149.35	1/2	4,358.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.48	3/4	3,733.86	3/4	3,944.24	3/4	4,153.71	3/4	4,362.70	3/4		3/4		3/4		3/4		3/4	
7	3,527.86	7	3,738.24	7	3,948.62	7	4,158.08	7	4,367.02	7		7		7		7		7	
1/4	3,532.24	1/4	3,742.62	1/4	3,952.98	1/4	4,162.44	1/4	4,371.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.63	1/2	3,747.01	1/2	3,957.35	1/2	4,166.80	1/2	4,375.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.01	3/4	3,751.39	3/4	3,961.71	3/4	4,171.17	3/4	4,379.82	3/4		3/4		3/4		3/4		3/4	
8	3,545.39	8	3,755.77	8	3,966.07	8	4,175.53	8	4,384.09	8		8		8		8		8	
1/4	3,549.77	1/4	3,760.15	1/4	3,970.44	1/4	4,179.89	1/4	4,387.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.16	1/2	3,764.54	1/2	3,974.80	1/2	4,184.26	1/2	4,390.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.54	3/4	3,768.92	3/4	3,979.16	3/4	4,188.62	3/4	4,394.42	3/4		3/4		3/4		3/4		3/4	
9	3,562.92	9	3,773.30	9	3,983.53	9	4,192.99	9	4,397.86	9		9		9		9		9	
1/4	3,567.31	1/4	3,777.69	1/4	3,987.89	1/4	4,197.35	1/4	4,400.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.69	1/2	3,782.07	1/2	3,992.26	1/2	4,201.71	1/2	4,402.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,576.07	3/4	3,786.45	3/4	3,996.62	3/4	4,206.08	3/4	4,404.62	3/4		3/4		3/4		3/4		3/4	
10	3,580.45	10	3,790.83	10	4,000.98	10	4,210.44	10	4,406.87	10		10		10		10		10	
1/4	3,584.84	1/4	3,795.22	1/4	4,005.35	1/4	4,214.80	1/4	4,408.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,589.22	1/2	3,799.60	1/2	4,009.71	1/2	4,219.17	1/2	4,410.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.60	3/4	3,803.98	3/4	4,014.07	3/4	4,223.53	3/4	4,412.01	3/4		3/4		3/4		3/4		3/4	
11	3,597.99	11	3,808.37	11	4,018.44	11	4,227.90	11	4,413.72	11		11		11		11		11	
1/4	3,602.37	1/4	3,812.75	1/4	4,022.80	1/4	4,232.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.75	1/2	3,817.13	1/2	4,027.17	1/2	4,236.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,611.14	3/4	3,821.51	3/4	4,031.53	3/4	4,240.99	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
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Pearland, Texas 77588  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





# BARGE "HSM 3314"

formerly the

BARGE "FMT 3314"

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"

July 29, 2020

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

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 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

## 1 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	4,877.86	0	4,537.40	0	4,196.30	0	3,853.87	0	3,511.46	0	3,169.12	0	2,826.74	0	2,484.30		
1/4		1/4		1/4	4,870.81	1/4	4,530.30	1/4	4,189.16	1/4	3,846.73	1/4	3,504.33	1/4	3,161.99	1/4	2,819.60	1/4	2,477.17		
1/2		1/2		1/2	4,863.75	1/2	4,523.19	1/2	4,182.03	1/2	3,839.60	1/2	3,497.20	1/2	3,154.86	1/2	2,812.47	1/2	2,470.03		
3/4		3/4		3/4	4,856.69	3/4	4,516.09	3/4	4,174.90	3/4	3,832.46	3/4	3,490.07	3/4	3,147.72	3/4	2,805.34	3/4	2,462.90		
1		1		1	4,849.64	1	4,508.99	1	4,167.76	1	3,825.33	1	3,482.93	1	3,140.59	1	2,798.20	1	2,455.76		
1/4		1/4		1/4	4,842.58	1/4	4,501.89	1/4	4,160.63	1/4	3,818.20	1/4	3,475.80	1/4	3,133.46	1/4	2,791.07	1/4	2,448.63		
1/2		1/2		1/2	4,835.52	1/2	4,494.79	1/2	4,153.49	1/2	3,811.06	1/2	3,468.67	1/2	3,126.33	1/2	2,783.94	1/2	2,441.49		
3/4		3/4		3/4	4,828.47	3/4	4,487.69	3/4	4,146.36	3/4	3,803.93	3/4	3,461.54	3/4	3,119.20	3/4	2,776.80	3/4	2,434.36		
2		2		2	4,821.41	2	4,480.58	2	4,139.23	2	3,796.79	2	3,454.40	2	3,112.06	2	2,769.67	2	2,427.22		
1/4		1/4		1/4	4,814.36	1/4	4,473.48	1/4	4,132.09	1/4	3,789.66	1/4	3,447.27	1/4	3,104.93	1/4	2,762.53	1/4	2,420.09		
1/2		1/2		1/2	4,807.25	1/2	4,466.38	1/2	4,124.96	1/2	3,782.53	1/2	3,440.14	1/2	3,097.80	1/2	2,755.40	1/2	2,412.96		
3/4		3/4		3/4	4,800.15	3/4	4,459.28	3/4	4,117.82	3/4	3,775.39	3/4	3,433.01	3/4	3,090.67	3/4	2,748.27	3/4	2,405.82		
3		3		3	4,793.05	3	4,452.18	3	4,110.69	3	3,768.26	3	3,425.88	3	3,083.54	3	2,741.13	3	2,398.69		
1/4		1/4		1/4	4,785.95	1/4	4,445.08	1/4	4,103.56	1/4	3,761.12	1/4	3,418.74	1/4	3,076.40	1/4	2,734.00	1/4	2,391.55		
1/2		1/2		1/2	4,778.85	1/2	4,437.98	1/2	4,096.42	1/2	3,753.99	1/2	3,411.61	1/2	3,069.27	1/2	2,726.86	1/2	2,384.42		
3/4		3/4		3/4	4,771.75	3/4	4,430.87	3/4	4,089.29	3/4	3,746.86	3/4	3,404.48	3/4	3,062.14	3/4	2,719.73	3/4	2,377.28		
4		4		4	4,764.64	4	4,423.77	4	4,082.15	4	3,739.72	4	3,397.35	4	3,055.01	4	2,712.60	4	2,370.15		
1/4		1/4		1/4	4,757.54	1/4	4,416.67	1/4	4,075.02	1/4	3,732.59	1/4	3,390.22	1/4	3,047.88	1/4	2,705.46	1/4	2,363.01		
1/2		1/2		1/2	4,750.44	1/2	4,409.57	1/2	4,067.89	1/2	3,725.45	1/2	3,383.08	1/2	3,040.74	1/2	2,698.33	1/2	2,355.88		
3/4		3/4		3/4	4,743.34	3/4	4,402.47	3/4	4,060.75	3/4	3,718.32	3/4	3,375.95	3/4	3,033.61	3/4	2,691.19	3/4	2,348.74		
5		5		5	4,736.24	5	4,395.37	5	4,053.62	5	3,711.19	5	3,368.82	5	3,026.48	5	2,684.06	5	2,341.61		
1/4		1/4		1/4	4,729.14	1/4	4,388.27	1/4	4,046.48	1/4	3,704.05	1/4	3,361.69	1/4	3,019.35	1/4	2,676.93	1/4	2,334.48		
1/2		1/2		1/2	4,722.04	1/2	4,381.16	1/2	4,039.35	1/2	3,696.92	1/2	3,354.56	1/2	3,012.21	1/2	2,669.79	1/2	2,327.34		
3/4		3/4		3/4	4,714.93	3/4	4,374.06	3/4	4,032.22	3/4	3,689.78	3/4	3,347.42	3/4	3,005.08	3/4	2,662.66	3/4	2,320.21		
6		6		6	4,707.83	6	4,366.96	6	4,025.08	6	3,682.65	6	3,340.29	6	2,997.95	6	2,655.53	6	2,313.07		
1/4		1/4		1/4	5,014.86	1/4	4,700.73	1/4	4,359.86	1/4	4,017.95	1/4	3,675.52	1/4	3,333.16	1/4	2,990.82	1/4	2,648.39	1/4	2,305.94
1/2		1/2		1/2	5,011.07	1/2	4,693.63	1/2	4,352.76	1/2	4,010.81	1/2	3,668.38	1/2	3,326.03	1/2	2,983.68	1/2	2,641.26	1/2	2,298.80
3/4		3/4		3/4	5,007.29	3/4	4,686.53	3/4	4,345.66	3/4	4,003.68	3/4	3,661.25	3/4	3,318.90	3/4	2,976.55	3/4	2,634.12	3/4	2,291.67
7		7		7	5,003.50	7	4,679.43	7	4,338.55	7	3,996.55	7	3,654.11	7	3,311.76	7	2,969.42	7	2,626.99	7	2,284.53
1/4		1/4		1/4	4,999.71	1/4	4,672.33	1/4	4,331.45	1/4	3,989.41	1/4	3,646.98	1/4	3,304.63	1/4	2,962.28	1/4	2,619.86	1/4	2,277.40
1/2		1/2		1/2	4,994.74	1/2	4,665.22	1/2	4,324.35	1/2	3,982.28	1/2	3,639.85	1/2	3,297.50	1/2	2,955.15	1/2	2,612.72	1/2	2,270.27
3/4		3/4		3/4	4,989.76	3/4	4,658.12	3/4	4,317.25	3/4	3,975.14	3/4	3,632.71	3/4	3,290.37	3/4	2,948.02	3/4	2,605.59	3/4	2,263.13
8		8		8	4,984.79	8	4,651.02	8	4,310.15	8	3,968.01	8	3,625.58	8	3,283.23	8	2,940.88	8	2,598.45	8	2,256.00
1/4		1/4		1/4	4,979.81	1/4	4,643.92	1/4	4,303.05	1/4	3,960.88	1/4	3,618.44	1/4	3,276.10	1/4	2,933.75	1/4	2,591.32	1/4	2,248.86
1/2		1/2		1/2	4,973.65	1/2	4,636.82	1/2	4,295.95	1/2	3,953.74	1/2	3,611.31	1/2	3,268.97	1/2	2,926.61	1/2	2,584.18	1/2	2,241.73
3/4		3/4		3/4	4,967.48	3/4	4,629.72	3/4	4,288.84	3/4	3,946.61	3/4	3,604.18	3/4	3,261.84	3/4	2,919.48	3/4	2,577.05	3/4	2,234.59
9		9		9	4,961.32	9	4,622.61	9	4,281.74	9	3,939.47	9	3,597.05	9	3,254.71	9	2,912.35	9	2,569.91	9	2,227.46
1/4		1/4		1/4	4,955.15	1/4	4,615.51	1/4	4,274.64	1/4	3,932.34	1/4	3,589.91	1/4	3,247.57	1/4	2,905.21	1/4	2,562.78	1/4	2,220.32
1/2		1/2		1/2	4,948.16	1/2	4,608.41	1/2	4,267.54	1/2	3,925.21	1/2	3,582.78	1/2	3,240.44	1/2	2,898.08	1/2	2,555.65	1/2	2,213.19
3/4		3/4		3/4	4,941.18	3/4	4,601.31	3/4	4,260.44	3/4	3,918.07	3/4	3,575.65	3/4	3,233.31	3/4	2,890.94	3/4	2,548.51	3/4	2,206.05
10		10		10	4,934.19	10	4,594.21	10	4,253.34	10	3,910.94	10	3,568.52	10	3,226.18	10	2,883.81	10	2,541.38	10	2,198.92
1/4		1/4		1/4	4,927.20	1/4	4,587.11	1/4	4,246.24	1/4	3,903.80	1/4	3,561.39	1/4	3,219.05	1/4	2,876.68	1/4	2,534.24	1/4	2,191.79
1/2		1/2		1/2	4,920.16	1/2	4,580.01	1/2	4,239.10	1/2	3,896.67	1/2	3,554.25	1/2	3,211.91	1/2	2,869.54	1/2	2,527.11	1/2	2,184.65
3/4		3/4		3/4	4,913.12	3/4	4,572.90	3/4	4,231.97	3/4	3,889.54	3/4	3,547.12	3/4	3,204.78	3/4	2,862.41	3/4	2,519.97	3/4	2,177.52
11		11		11	4,906.07	11	4,565.80	11	4,224.83	11	3,882.40	11	3,539.99	11	3,197.65	11	2,855.27	11	2,512.84	11	2,170.38
1/4		1/4		1/4	4,899.03	1/4	4,558.70	1/4	4,217.70	1/4	3,875.27	1/4	3,532.86	1/4	3,190.52	1/4	2,848.14	1/4	2,505.70	1/4	2,163.25
1/2		1/2		1/2	4,891.98	1/2	4,551.60	1/2	4,210.57	1/2	3,868.13	1/2	3,525.73	1/2	3,183.39	1/2	2,841.01	1/2	2,498.57	1/2	2,156.11
3/4		3/4		3/4	4,884.92	3/4	4,544.50	3/4	4,203.43	3/4	3,861.00	3/4	3,518.59	3/4	3,176.25	3/4	2,833.87	3/4	2,491.43	3/4	2,148.98

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 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

**1 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	2,141.84	0	1,799.39	0	1,456.93	0	1,114.48	0	774.46	0	432.78	0	121.35	0		0		0	
1/4	2,134.71	1/4	1,792.25	1/4	1,449.80	1/4	1,107.34	1/4	767.37	1/4	425.78	1/4	115.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,127.58	1/2	1,785.12	1/2	1,442.66	1/2	1,100.21	1/2	760.27	1/2	418.85	1/2	109.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,120.44	3/4	1,777.98	3/4	1,435.53	3/4	1,093.07	3/4	753.17	3/4	411.92	3/4	103.49	3/4	3/4	3/4	3/4	3/4	3/4
1	2,113.31	1	1,770.85	1	1,428.39	1	1,085.94	1	746.07	1	405.00	1	97.57	1	1	1	1	1	1
1/4	2,106.17	1/4	1,763.72	1/4	1,421.26	1/4	1,078.80	1/4	738.97	1/4	398.07	1/4	91.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,099.04	1/2	1,756.58	1/2	1,414.13	1/2	1,071.70	1/2	731.84	1/2	391.23	1/2	85.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,091.90	3/4	1,749.45	3/4	1,406.99	3/4	1,064.60	3/4	724.70	3/4	384.39	3/4	79.98	3/4	3/4	3/4	3/4	3/4	3/4
2	2,084.77	2	1,742.31	2	1,399.86	2	1,057.50	2	717.57	2	377.54	2	74.15	2	2	2	2	2	2
1/4	2,077.63	1/4	1,735.18	1/4	1,392.72	1/4	1,050.40	1/4	710.44	1/4	370.70	1/4	68.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,070.50	1/2	1,728.04	1/2	1,385.59	1/2	1,043.32	1/2	703.30	1/2	363.94	1/2	62.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,063.36	3/4	1,720.91	3/4	1,378.45	3/4	1,036.24	3/4	696.17	3/4	357.18	3/4	56.87	3/4	3/4	3/4	3/4	3/4	3/4
3	2,056.23	3	1,713.77	3	1,371.32	3	1,029.16	3	689.03	3	350.42	3	51.15	3	3	3	3	3	3
1/4	2,049.10	1/4	1,706.64	1/4	1,364.18	1/4	1,022.07	1/4	681.90	1/4	343.66	1/4	45.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.96	1/2	1,699.51	1/2	1,357.05	1/2	1,015.00	1/2	674.77	1/2	336.99	1/2	40.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,034.83	3/4	1,692.37	3/4	1,349.91	3/4	1,007.93	3/4	667.63	3/4	330.31	3/4	35.86	3/4	3/4	3/4	3/4	3/4	3/4
4	2,027.69	4	1,685.24	4	1,342.78	4	1,000.85	4	660.50	4	323.64	4	31.08	4	4	4	4	4	4
1/4	2,020.56	1/4	1,678.10	1/4	1,335.65	1/4	993.78	1/4	653.36	1/4	316.96	1/4	26.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,013.42	1/2	1,670.97	1/2	1,328.51	1/2	986.70	1/2	646.23	1/2	310.37	1/2	23.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.29	3/4	1,663.83	3/4	1,321.38	3/4	979.63	3/4	639.09	3/4	303.78	3/4	20.46	3/4	3/4	3/4	3/4	3/4	3/4
5	1,999.15	5	1,656.70	5	1,314.24	5	972.55	5	631.96	5	297.18	5	17.55	5	5	5	5	5	5
1/4	1,992.02	1/4	1,649.56	1/4	1,307.11	1/4	965.48	1/4	624.83	1/4	290.59	1/4	14.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.89	1/2	1,642.43	1/2	1,299.97	1/2	958.41	1/2	617.69	1/2	284.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,977.75	3/4	1,635.29	3/4	1,292.84	3/4	951.33	3/4	610.56	3/4	277.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,970.62	6	1,628.16	6	1,285.70	6	944.26	6	603.42	6	271.06	6	6	6	6	6	6	6	6
1/4	1,963.48	1/4	1,621.03	1/4	1,278.57	1/4	937.18	1/4	596.29	1/4	264.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,956.35	1/2	1,613.89	1/2	1,271.44	1/2	930.11	1/2	589.16	1/2	258.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.21	3/4	1,606.76	3/4	1,264.30	3/4	923.04	3/4	582.02	3/4	251.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,942.08	7	1,599.62	7	1,257.17	7	915.96	7	574.89	7	245.28	7	7	7	7	7	7	7	7
1/4	1,934.94	1/4	1,592.49	1/4	1,250.03	1/4	908.89	1/4	567.75	1/4	238.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,927.81	1/2	1,585.35	1/2	1,242.90	1/2	901.81	1/2	560.62	1/2	232.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.67	3/4	1,578.22	3/4	1,235.76	3/4	894.74	3/4	553.48	3/4	226.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,913.54	8	1,571.08	8	1,228.63	8	887.66	8	546.35	8	219.82	8	8	8	8	8	8	8	8
1/4	1,906.41	1/4	1,563.95	1/4	1,221.49	1/4	880.59	1/4	539.22	1/4	213.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,899.27	1/2	1,556.82	1/2	1,214.36	1/2	873.52	1/2	532.08	1/2	207.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,892.14	3/4	1,549.68	3/4	1,207.22	3/4	866.44	3/4	524.95	3/4	200.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,885.00	9	1,542.55	9	1,200.09	9	859.37	9	517.81	9	194.71	9	9	9	9	9	9	9	9
1/4	1,877.87	1/4	1,535.41	1/4	1,192.96	1/4	852.29	1/4	510.68	1/4	188.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,870.73	1/2	1,528.28	1/2	1,185.82	1/2	845.22	1/2	503.54	1/2	182.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,863.60	3/4	1,521.14	3/4	1,178.69	3/4	838.15	3/4	496.41	3/4	176.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,856.46	10	1,514.01	10	1,171.55	10	831.07	10	489.28	10	169.92	10	10	10	10	10	10	10	10
1/4	1,849.33	1/4	1,506.87	1/4	1,164.42	1/4	824.00	1/4	482.14	1/4	163.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,842.20	1/2	1,499.74	1/2	1,157.28	1/2	816.92	1/2	475.05	1/2	157.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,835.06	3/4	1,492.60	3/4	1,150.15	3/4	809.85	3/4	467.97	3/4	151.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,827.93	11	1,485.47	11	1,143.01	11	802.78	11	460.88	11	145.47	11	11	11	11	11	11	11	11
1/4	1,820.79	1/4	1,478.34	1/4	1,135.88	1/4	795.70	1/4	453.79	1/4	139.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.66	1/2	1,471.20	1/2	1,128.75	1/2	788.62	1/2	446.79	1/2	133.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.52	3/4	1,464.07	3/4	1,121.61	3/4	781.54	3/4	439.78	3/4	127.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 STBD**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-04 3/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,875.20	0	4,534.01	0	4,192.20	0	3,849.13	0	3,506.09	0	3,163.11	0	2,820.08	0	2,477.00
1/4		1/4		1/4	4,868.13	1/4	4,526.89	1/4	4,185.06	1/4	3,841.99	1/4	3,498.95	1/4	3,155.96	1/4	2,812.94	1/4	2,469.85
1/2		1/2		1/2	4,861.06	1/2	4,519.78	1/2	4,177.91	1/2	3,834.84	1/2	3,491.80	1/2	3,148.82	1/2	2,805.79	1/2	2,462.71
3/4		3/4		3/4	4,853.99	3/4	4,512.66	3/4	4,170.76	3/4	3,827.69	3/4	3,484.66	3/4	3,141.67	3/4	2,798.64	3/4	2,455.56
1		1		1	4,846.92	1	4,505.55	1	4,163.61	1	3,820.54	1	3,477.51	1	3,134.53	1	2,791.49	1	2,448.41
1/4		1/4		1/4	4,839.85	1/4	4,498.43	1/4	4,156.47	1/4	3,813.40	1/4	3,470.37	1/4	3,127.38	1/4	2,784.35	1/4	2,441.26
1/2		1/2		1/2	4,832.78	1/2	4,491.32	1/2	4,149.32	1/2	3,806.25	1/2	3,463.22	1/2	3,120.24	1/2	2,777.20	1/2	2,434.11
3/4		3/4		3/4	4,825.71	3/4	4,484.20	3/4	4,142.17	3/4	3,799.10	3/4	3,456.07	3/4	3,113.09	3/4	2,770.05	3/4	2,426.97
2		2		2	4,818.60	2	4,477.09	2	4,135.02	2	3,791.95	2	3,448.93	2	3,105.94	2	2,762.90	2	2,419.82
1/4		1/4		1/4	4,811.48	1/4	4,469.97	1/4	4,127.88	1/4	3,784.81	1/4	3,441.78	1/4	3,098.80	1/4	2,755.76	1/4	2,412.67
1/2		1/2		1/2	4,804.37	1/2	4,462.86	1/2	4,120.73	1/2	3,777.66	1/2	3,434.64	1/2	3,091.65	1/2	2,748.61	1/2	2,405.52
3/4		3/4		3/4	4,797.25	3/4	4,455.74	3/4	4,113.58	3/4	3,770.51	3/4	3,427.49	3/4	3,084.51	3/4	2,741.46	3/4	2,398.38
3		3		3	4,790.14	3	4,448.63	3	4,106.44	3	3,763.37	3	3,420.35	3	3,077.36	3	2,734.32	3	2,391.23
1/4		1/4		1/4	4,783.02	1/4	4,441.51	1/4	4,099.29	1/4	3,756.22	1/4	3,413.20	1/4	3,070.22	1/4	2,727.17	1/4	2,384.08
1/2		1/2		1/2	4,775.91	1/2	4,434.40	1/2	4,092.14	1/2	3,749.07	1/2	3,406.06	1/2	3,063.07	1/2	2,720.02	1/2	2,376.93
3/4		3/4		3/4	4,768.79	3/4	4,427.28	3/4	4,084.99	3/4	3,741.92	3/4	3,398.91	3/4	3,055.93	3/4	2,712.87	3/4	2,369.78
4		4		4	4,761.68	4	4,420.17	4	4,077.85	4	3,734.78	4	3,391.76	4	3,048.78	4	2,705.73	4	2,362.64
1/4		1/4		1/4	4,754.56	1/4	4,413.05	1/4	4,070.70	1/4	3,727.63	1/4	3,384.62	1/4	3,041.64	1/4	2,698.58	1/4	2,355.49
1/2		1/2		1/2	4,747.45	1/2	4,405.94	1/2	4,063.55	1/2	3,720.48	1/2	3,377.47	1/2	3,034.49	1/2	2,691.43	1/2	2,348.34
3/4		3/4		3/4	4,740.34	3/4	4,398.82	3/4	4,056.40	3/4	3,713.33	3/4	3,370.33	3/4	3,027.34	3/4	2,684.29	3/4	2,341.19
5		5		5	4,733.22	5	4,391.71	5	4,049.26	5	3,706.19	5	3,363.18	5	3,020.20	5	2,677.14	5	2,334.04
1/4		1/4		1/4	4,726.11	1/4	4,384.60	1/4	4,042.11	1/4	3,699.04	1/4	3,356.04	1/4	3,013.05	1/4	2,669.99	1/4	2,326.90
1/2		1/2		1/2	4,718.99	1/2	4,377.48	1/2	4,034.96	1/2	3,691.89	1/2	3,348.89	1/2	3,005.91	1/2	2,662.84	1/2	2,319.75
3/4		3/4	5,026.59	3/4	4,711.88	3/4	4,370.37	3/4	4,027.82	3/4	3,684.74	3/4	3,341.75	3/4	2,998.76	3/4	2,655.70	3/4	2,312.60
6		6	5,022.80	6	4,704.76	6	4,363.25	6	4,020.67	6	3,677.60	6	3,334.60	6	2,991.62	6	2,648.55	6	2,305.45
1/4		1/4	5,019.00	1/4	4,697.65	1/4	4,356.14	1/4	4,013.52	1/4	3,670.45	1/4	3,327.46	1/4	2,984.47	1/4	2,641.40	1/4	2,298.30
1/2		1/2	5,015.21	1/2	4,690.53	1/2	4,349.02	1/2	4,006.37	1/2	3,663.30	1/2	3,320.31	1/2	2,977.32	1/2	2,634.26	1/2	2,291.16
3/4		3/4	5,011.41	3/4	4,683.42	3/4	4,341.91	3/4	3,999.23	3/4	3,656.16	3/4	3,313.16	3/4	2,970.17	3/4	2,627.11	3/4	2,284.01
7		7	5,006.43	7	4,676.30	7	4,334.79	7	3,992.08	7	3,649.01	7	3,306.02	7	2,963.03	7	2,619.96	7	2,276.86
1/4		1/4	5,001.44	1/4	4,669.19	1/4	4,327.68	1/4	3,984.93	1/4	3,641.86	1/4	3,298.87	1/4	2,955.88	1/4	2,612.81	1/4	2,269.71
1/2		1/2	4,996.46	1/2	4,662.07	1/2	4,320.56	1/2	3,977.78	1/2	3,634.71	1/2	3,291.73	1/2	2,948.73	1/2	2,605.66	1/2	2,262.57
3/4		3/4	4,991.47	3/4	4,654.96	3/4	4,313.45	3/4	3,970.64	3/4	3,627.57	3/4	3,284.58	3/4	2,941.58	3/4	2,598.52	3/4	2,255.42
8		8	4,985.30	8	4,647.84	8	4,306.33	8	3,963.49	8	3,620.42	8	3,277.44	8	2,934.44	8	2,591.37	8	2,248.27
1/4		1/4	4,979.12	1/4	4,640.73	1/4	4,299.22	1/4	3,956.34	1/4	3,613.28	1/4	3,270.29	1/4	2,927.29	1/4	2,584.22	1/4	2,241.12
1/2		1/2	4,972.95	1/2	4,633.61	1/2	4,292.10	1/2	3,949.19	1/2	3,606.13	1/2	3,263.15	1/2	2,920.14	1/2	2,577.07	1/2	2,233.97
3/4		3/4	4,966.77	3/4	4,626.50	3/4	4,284.99	3/4	3,942.05	3/4	3,598.98	3/4	3,256.00	3/4	2,913.00	3/4	2,569.92	3/4	2,226.83
9		9	4,959.77	9	4,619.38	9	4,277.87	9	3,934.90	9	3,591.84	9	3,248.85	9	2,905.85	9	2,562.78	9	2,219.68
1/4		1/4	4,952.77	1/4	4,612.27	1/4	4,270.76	1/4	3,927.75	1/4	3,584.69	1/4	3,241.71	1/4	2,898.70	1/4	2,555.63	1/4	2,212.53
1/2		1/2	4,945.77	1/2	4,605.15	1/2	4,263.64	1/2	3,920.61	1/2	3,577.55	1/2	3,234.56	1/2	2,891.55	1/2	2,548.48	1/2	2,205.38
3/4		3/4	4,938.77	3/4	4,598.04	3/4	4,256.53	3/4	3,913.46	3/4	3,570.40	3/4	3,227.42	3/4	2,884.41	3/4	2,541.33	3/4	2,198.23
10		10	4,931.71	10	4,590.92	10	4,249.38	10	3,906.31	10	3,563.26	10	3,220.27	10	2,877.26	10	2,534.19	10	2,191.09
1/4		1/4	4,924.66	1/4	4,583.81	1/4	4,242.23	1/4	3,899.16	1/4	3,556.11	1/4	3,213.13	1/4	2,870.11	1/4	2,527.04	1/4	2,183.94
1/2		1/2	4,917.60	1/2	4,576.69	1/2	4,235.09	1/2	3,892.02	1/2	3,548.97	1/2	3,205.98	1/2	2,862.97	1/2	2,519.89	1/2	2,176.79
3/4		3/4	4,910.54	3/4	4,569.58	3/4	4,227.94	3/4	3,884.87	3/4	3,541.82	3/4	3,198.84	3/4	2,855.82	3/4	2,512.74	3/4	2,169.64
11		11	4,903.48	11	4,562.47	11	4,220.79	11	3,877.72	11	3,534.67	11	3,191.69	11	2,848.67	11	2,505.59	11	2,162.49
1/4		1/4	4,896.41	1/4	4,555.35	1/4	4,213.64	1/4	3,870.57	1/4	3,527.53	1/4	3,184.55	1/4	2,841.52	1/4	2,498.45	1/4	2,155.35
1/2		1/2	4,889.34	1/2	4,548.24	1/2	4,206.50	1/2	3,863.43	1/2	3,520.38	1/2	3,177.40	1/2	2,834.38	1/2	2,491.30	1/2	2,148.20
3/4		3/4	4,882.27	3/4	4,541.12	3/4	4,199.35	3/4	3,856.28	3/4	3,513.24	3/4	3,170.25	3/4	2,827.23	3/4	2,484.15	3/4	2,141.05

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 3314"

formerly the  
BARGE "FMT 3314"

**1 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	2,133.90	0	1,790.80	0	1,447.70	0	1,104.61	0	761.80	0	419.59	0	109.61	0		0		0	
1/4	2,126.75	1/4	1,783.66	1/4	1,440.56	1/4	1,097.46	1/4	754.65	1/4	412.65	1/4	103.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.61	1/2	1,776.51	1/2	1,433.41	1/2	1,090.31	1/2	747.50	1/2	405.71	1/2	97.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.46	3/4	1,769.36	3/4	1,426.26	3/4	1,083.16	3/4	740.36	3/4	398.78	3/4	91.80	3/4	3/4	3/4	3/4	3/4	3/4
1	2,105.31	1	1,762.21	1	1,419.11	1	1,076.01	1	733.21	1	391.92	1	85.96	1	1	1	1	1	1
1/4	2,098.16	1/4	1,755.06	1/4	1,411.96	1/4	1,068.87	1/4	726.06	1/4	385.07	1/4	80.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,091.02	1/2	1,747.92	1/2	1,404.82	1/2	1,061.72	1/2	718.91	1/2	378.21	1/2	74.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,083.87	3/4	1,740.77	3/4	1,397.67	3/4	1,054.57	3/4	711.77	3/4	371.36	3/4	68.44	3/4	3/4	3/4	3/4	3/4	3/4
2	2,076.72	2	1,733.62	2	1,390.52	2	1,047.42	2	704.62	2	364.58	2	62.70	2	2	2	2	2	2
1/4	2,069.57	1/4	1,726.47	1/4	1,383.37	1/4	1,040.28	1/4	697.47	1/4	357.81	1/4	56.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,062.42	1/2	1,719.32	1/2	1,376.23	1/2	1,033.13	1/2	690.32	1/2	351.04	1/2	51.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,055.28	3/4	1,712.18	3/4	1,369.08	3/4	1,025.98	3/4	683.18	3/4	344.27	3/4	45.51	3/4	3/4	3/4	3/4	3/4	3/4
3	2,048.13	3	1,705.03	3	1,361.93	3	1,018.84	3	676.03	3	337.58	3	40.72	3	3	3	3	3	3
1/4	2,040.98	1/4	1,697.88	1/4	1,354.78	1/4	1,011.70	1/4	668.88	1/4	330.89	1/4	35.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.83	1/2	1,690.73	1/2	1,347.63	1/2	1,004.56	1/2	661.73	1/2	324.21	1/2	31.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,026.68	3/4	1,683.59	3/4	1,340.49	3/4	997.43	3/4	654.59	3/4	317.52	3/4	26.35	3/4	3/4	3/4	3/4	3/4	3/4
4	2,019.54	4	1,676.44	4	1,333.34	4	990.29	4	647.44	4	310.91	4	23.43	4	4	4	4	4	4
1/4	2,012.39	1/4	1,669.29	1/4	1,326.19	1/4	983.15	1/4	640.29	1/4	304.31	1/4	20.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,005.24	1/2	1,662.14	1/2	1,319.04	1/2	976.01	1/2	633.14	1/2	297.71	1/2	17.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,998.09	3/4	1,654.99	3/4	1,311.89	3/4	968.87	3/4	626.00	3/4	291.10	3/4	14.66	3/4	3/4	3/4	3/4	3/4	3/4
5	1,990.94	5	1,647.85	5	1,304.75	5	961.73	5	618.85	5	284.58	5		5	5	5	5	5	5
1/4	1,983.80	1/4	1,640.70	1/4	1,297.60	1/4	954.59	1/4	611.70	1/4	278.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.65	1/2	1,633.55	1/2	1,290.45	1/2	947.45	1/2	604.55	1/2	271.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.50	3/4	1,626.40	3/4	1,283.30	3/4	940.31	3/4	597.40	3/4	265.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,962.35	6	1,619.25	6	1,276.15	6	933.17	6	590.26	6	258.58	6		6	6	6	6	6	6
1/4	1,955.21	1/4	1,612.11	1/4	1,269.01	1/4	926.04	1/4	583.11	1/4	252.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.06	1/2	1,604.96	1/2	1,261.86	1/2	918.90	1/2	575.96	1/2	245.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.91	3/4	1,597.81	3/4	1,254.71	3/4	911.76	3/4	568.81	3/4	239.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,933.76	7	1,590.66	7	1,247.56	7	904.62	7	561.67	7	232.92	7		7	7	7	7	7	7
1/4	1,926.61	1/4	1,583.51	1/4	1,240.42	1/4	897.48	1/4	554.52	1/4	226.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,919.47	1/2	1,576.37	1/2	1,233.27	1/2	890.34	1/2	547.37	1/2	220.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,912.32	3/4	1,569.22	3/4	1,226.12	3/4	883.20	3/4	540.22	3/4	213.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,905.17	8	1,562.07	8	1,218.97	8	876.06	8	533.08	8	207.58	8		8	8	8	8	8	8
1/4	1,898.02	1/4	1,554.92	1/4	1,211.82	1/4	868.92	1/4	525.93	1/4	201.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,890.87	1/2	1,547.78	1/2	1,204.68	1/2	861.79	1/2	518.78	1/2	195.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,883.73	3/4	1,540.63	3/4	1,197.53	3/4	854.65	3/4	511.63	3/4	188.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,876.58	9	1,533.48	9	1,190.38	9	847.51	9	504.49	9	182.59	9		9	9	9	9	9	9
1/4	1,869.43	1/4	1,526.33	1/4	1,183.23	1/4	840.37	1/4	497.34	1/4	176.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.28	1/2	1,519.18	1/2	1,176.08	1/2	833.23	1/2	490.19	1/2	170.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,855.13	3/4	1,512.04	3/4	1,168.94	3/4	826.09	3/4	483.04	3/4	164.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,847.99	10	1,504.89	10	1,161.79	10	818.95	10	475.94	10	157.93	10		10	10	10	10	10	10
1/4	1,840.84	1/4	1,497.74	1/4	1,154.64	1/4	811.81	1/4	468.83	1/4	151.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,833.69	1/2	1,490.59	1/2	1,147.49	1/2	804.67	1/2	461.73	1/2	145.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,826.54	3/4	1,483.44	3/4	1,140.34	3/4	797.54	3/4	454.62	3/4	139.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,819.40	11	1,476.30	11	1,133.20	11	790.39	11	447.60	11	133.60	11		11	11	11	11	11	11
1/4	1,812.25	1/4	1,469.15	1/4	1,126.05	1/4	783.24	1/4	440.58	1/4	127.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,805.10	1/2	1,462.00	1/2	1,118.90	1/2	776.09	1/2	433.55	1/2	121.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.95	3/4	1,454.85	3/4	1,111.75	3/4	768.95	3/4	426.53	3/4	115.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 PORT**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/2"**

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	4,943.34	0	4,602.29	0	4,260.59	0	3,917.51	0	3,574.44	0	3,231.37	0	2,888.26	0	2,545.09
1/4		1/4		1/4	4,936.27	1/4	4,595.17	1/4	4,253.44	1/4	3,910.37	1/4	3,567.30	1/4	3,224.23	1/4	2,881.11	1/4	2,537.94
1/2		1/2		1/2	4,929.20	1/2	4,588.06	1/2	4,246.29	1/2	3,903.22	1/2	3,560.15	1/2	3,217.08	1/2	2,873.96	1/2	2,530.79
3/4		3/4		3/4	4,922.13	3/4	4,580.94	3/4	4,239.14	3/4	3,896.07	3/4	3,553.00	3/4	3,209.93	3/4	2,866.81	3/4	2,523.65
1		1		1	4,915.06	1	4,573.83	1	4,232.00	1	3,888.93	1	3,545.86	1	3,202.78	1	2,859.66	1	2,516.50
1/4		1/4		1/4	4,907.99	1/4	4,566.71	1/4	4,224.85	1/4	3,881.78	1/4	3,538.71	1/4	3,195.64	1/4	2,852.51	1/4	2,509.35
1/2		1/2		1/2	4,900.92	1/2	4,559.60	1/2	4,217.70	1/2	3,874.63	1/2	3,531.56	1/2	3,188.49	1/2	2,845.36	1/2	2,502.20
3/4		3/4		3/4	4,893.85	3/4	4,552.48	3/4	4,210.55	3/4	3,867.48	3/4	3,524.41	3/4	3,181.34	3/4	2,838.21	3/4	2,495.05
2		2		2	4,886.78	2	4,545.37	2	4,203.41	2	3,860.34	2	3,517.27	2	3,174.20	2	2,831.06	2	2,487.90
1/4		1/4		1/4	4,879.71	1/4	4,538.25	1/4	4,196.26	1/4	3,853.19	1/4	3,510.12	1/4	3,167.05	1/4	2,823.92	1/4	2,480.75
1/2		1/2		1/2	4,872.64	1/2	4,531.14	1/2	4,189.11	1/2	3,846.04	1/2	3,502.97	1/2	3,159.90	1/2	2,816.77	1/2	2,473.60
3/4		3/4		3/4	4,865.53	3/4	4,524.02	3/4	4,181.96	3/4	3,838.89	3/4	3,495.82	3/4	3,152.75	3/4	2,809.62	3/4	2,466.45
3		3		3	4,858.42	3	4,516.91	3	4,174.82	3	3,831.75	3	3,488.68	3	3,145.61	3	2,802.47	3	2,459.30
1/4		1/4		1/4	4,851.30	1/4	4,509.80	1/4	4,167.67	1/4	3,824.60	1/4	3,481.53	1/4	3,138.46	1/4	2,795.32	1/4	2,452.15
1/2		1/2		1/2	4,844.19	1/2	4,502.68	1/2	4,160.52	1/2	3,817.45	1/2	3,474.38	1/2	3,131.31	1/2	2,788.17	1/2	2,445.00
3/4		3/4		3/4	4,837.07	3/4	4,495.57	3/4	4,153.38	3/4	3,810.31	3/4	3,467.23	3/4	3,124.16	3/4	2,781.02	3/4	2,437.85
4		4		4	4,829.96	4	4,488.45	4	4,146.23	4	3,803.16	4	3,460.09	4	3,117.02	4	2,773.87	4	2,430.70
1/4		1/4		1/4	4,822.84	1/4	4,481.34	1/4	4,139.08	1/4	3,796.01	1/4	3,452.94	1/4	3,109.87	1/4	2,766.72	1/4	2,423.55
1/2		1/2		1/2	4,815.73	1/2	4,474.22	1/2	4,131.93	1/2	3,788.86	1/2	3,445.79	1/2	3,102.72	1/2	2,759.57	1/2	2,416.41
3/4		3/4		3/4	4,808.61	3/4	4,467.11	3/4	4,124.79	3/4	3,781.72	3/4	3,438.65	3/4	3,095.58	3/4	2,752.42	3/4	2,409.26
5		5		5	4,801.50	5	4,459.99	5	4,117.64	5	3,774.57	5	3,431.50	5	3,088.43	5	2,745.27	5	2,402.11
1/4		1/4		1/4	4,794.38	1/4	4,452.88	1/4	4,110.49	1/4	3,767.42	1/4	3,424.35	1/4	3,081.28	1/4	2,738.12	1/4	2,394.96
1/2		1/2		1/2	4,787.27	1/2	4,445.76	1/2	4,103.34	1/2	3,760.27	1/2	3,417.20	1/2	3,074.13	1/2	2,730.97	1/2	2,387.81
3/4		3/4		3/4	4,780.15	3/4	4,438.65	3/4	4,096.20	3/4	3,753.13	3/4	3,410.06	3/4	3,066.99	3/4	2,723.83	3/4	2,380.66
6		6		6	4,773.04	6	4,431.53	6	4,089.05	6	3,745.98	6	3,402.91	6	3,059.84	6	2,716.68	6	2,373.51
1/4		1/4		1/4	4,765.92	1/4	4,424.42	1/4	4,081.90	1/4	3,738.83	1/4	3,395.76	1/4	3,052.69	1/4	2,709.53	1/4	2,366.36
1/2		1/2		1/2	5,073.51	1/2	4,758.81	1/2	4,417.30	1/2	4,074.76	1/2	3,731.68	1/2	3,388.61	1/2	3,045.54	1/2	2,702.38
3/4		3/4		3/4	5,069.72	3/4	4,751.69	3/4	4,410.19	3/4	4,067.61	3/4	3,724.54	3/4	3,381.47	3/4	3,038.39	3/4	2,695.23
7		7		7	5,065.92	7	4,744.58	7	4,403.07	7	4,060.46	7	3,717.39	7	3,374.32	7	3,031.25	7	2,688.08
1/4		1/4		1/4	5,062.13	1/4	4,737.47	1/4	4,395.96	1/4	4,053.31	1/4	3,710.24	1/4	3,367.17	1/4	3,024.10	1/4	2,680.93
1/2		1/2		1/2	5,058.34	1/2	4,730.35	1/2	4,388.85	1/2	4,046.17	1/2	3,703.10	1/2	3,360.03	1/2	3,016.95	1/2	2,673.78
3/4		3/4		3/4	5,053.35	3/4	4,723.24	3/4	4,381.73	3/4	4,039.02	3/4	3,695.95	3/4	3,352.88	3/4	3,009.80	3/4	2,666.63
8		8		8	5,048.37	8	4,716.12	8	4,374.62	8	4,031.87	8	3,688.80	8	3,345.73	8	3,002.65	8	2,659.48
1/4		1/4		1/4	5,043.38	1/4	4,709.01	1/4	4,367.50	1/4	4,024.72	1/4	3,681.65	1/4	3,338.58	1/4	2,995.50	1/4	2,652.33
1/2		1/2		1/2	5,038.40	1/2	4,701.89	1/2	4,360.39	1/2	4,017.58	1/2	3,674.51	1/2	3,331.44	1/2	2,988.35	1/2	2,645.18
3/4		3/4		3/4	5,032.22	3/4	4,694.78	3/4	4,353.27	3/4	4,010.43	3/4	3,667.36	3/4	3,324.29	3/4	2,981.20	3/4	2,638.03
9		9		9	5,026.05	9	4,687.66	9	4,346.16	9	4,003.28	9	3,660.21	9	3,317.14	9	2,974.05	9	2,630.88
1/4		1/4		1/4	5,019.87	1/4	4,680.55	1/4	4,339.04	1/4	3,996.13	1/4	3,653.06	1/4	3,309.99	1/4	2,966.90	1/4	2,623.74
1/2		1/2		1/2	5,013.69	1/2	4,673.43	1/2	4,331.93	1/2	3,988.99	1/2	3,645.92	1/2	3,302.85	1/2	2,959.75	1/2	2,616.59
3/4		3/4		3/4	5,006.69	3/4	4,666.32	3/4	4,324.81	3/4	3,981.84	3/4	3,638.77	3/4	3,295.70	3/4	2,952.60	3/4	2,609.44
10		10		10	4,999.69	10	4,659.20	10	4,317.70	10	3,974.69	10	3,631.62	10	3,288.55	10	2,945.45	10	2,602.29
1/4		1/4		1/4	4,992.69	1/4	4,652.09	1/4	4,310.58	1/4	3,967.55	1/4	3,624.48	1/4	3,281.40	1/4	2,938.30	1/4	2,595.14
1/2		1/2		1/2	4,985.69	1/2	4,644.97	1/2	4,303.47	1/2	3,960.40	1/2	3,617.33	1/2	3,274.26	1/2	2,931.16	1/2	2,587.99
3/4		3/4		3/4	4,978.64	3/4	4,637.86	3/4	4,296.32	3/4	3,953.25	3/4	3,610.18	3/4	3,267.11	3/4	2,924.01	3/4	2,580.84
11		11		11	4,971.58	11	4,630.75	11	4,289.17	11	3,946.10	11	3,603.03	11	3,259.96	11	2,916.86	11	2,573.69
1/4		1/4		1/4	4,964.52	1/4	4,623.63	1/4	4,282.03	1/4	3,939.96	1/4	3,595.89	1/4	3,252.82	1/4	2,909.71	1/4	2,566.54
1/2		1/2		1/2	4,957.47	1/2	4,616.52	1/2	4,274.88	1/2	3,931.81	1/2	3,588.74	1/2	3,245.67	1/2	2,902.56	1/2	2,559.39
3/4		3/4		3/4	4,950.40	3/4	4,609.40	3/4	4,267.73	3/4	3,924.66	3/4	3,581.59	3/4	3,238.52	3/4	2,895.41	3/4	2,552.24

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 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>

*Precision Measurement & Analysis, Inc.*



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**2 PORT**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-05 1/2"**

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	2,201.93	0	1,858.76	0	1,515.59	0	1,172.43	0	842.03	0	500.60	0	157.44	0		0			
1/4	2,194.78	1/4	1,851.61	1/4	1,508.44	1/4	1,165.28	1/4	835.18	1/4	493.45	1/4	150.30	1/4		1/4			
1/2	2,187.63	1/2	1,844.46	1/2	1,501.30	1/2	1,158.13	1/2	828.33	1/2	486.30	1/2	143.15	1/2		1/2			
3/4	2,180.48	3/4	1,837.31	3/4	1,494.15	3/4	1,150.98	3/4	821.46	3/4	479.15	3/4	136.00	3/4		3/4			
1	2,173.33	1	1,830.16	1	1,487.00	1	1,143.83	1	814.59	1	472.00	1	128.85	1		1			
1/4	2,166.18	1/4	1,823.01	1/4	1,479.85	1/4	1,136.68	1/4	807.72	1/4	464.85	1/4	121.70	1/4		1/4			
1/2	2,159.03	1/2	1,815.86	1/2	1,472.70	1/2	1,129.53	1/2	800.85	1/2	457.70	1/2	114.56	1/2		1/2			
3/4	2,151.88	3/4	1,808.72	3/4	1,465.55	3/4	1,122.66	3/4	793.71	3/4	450.55	3/4	107.42	3/4		3/4			
2	2,144.73	2	1,801.57	2	1,458.40	2	1,115.80	2	786.56	2	443.40	2	100.28	2		2			
1/4	2,137.58	1/4	1,794.42	1/4	1,451.25	1/4	1,108.93	1/4	779.41	1/4	436.26	1/4	93.14	1/4		1/4			
1/2	2,130.43	1/2	1,787.27	1/2	1,444.10	1/2	1,102.06	1/2	772.26	1/2	429.11	1/2	86.00	1/2		1/2			
3/4	2,123.28	3/4	1,780.12	3/4	1,436.95	3/4	1,095.21	3/4	765.11	3/4	421.96	3/4	78.89	3/4		3/4			
3	2,116.13	3	1,772.97	3	1,429.80	3	1,088.36	3	757.96	3	414.81	3	71.78	3		3			
1/4	2,108.99	1/4	1,765.82	1/4	1,422.65	1/4	1,081.51	1/4	750.81	1/4	407.66	1/4	64.66	1/4		1/4			
1/2	2,101.84	1/2	1,758.67	1/2	1,415.50	1/2	1,074.66	1/2	743.66	1/2	400.51	1/2	57.55	1/2		1/2			
3/4	2,094.69	3/4	1,751.52	3/4	1,408.35	3/4	1,067.82	3/4	736.51	3/4	393.36	3/4	51.30	3/4		3/4			
4	2,087.54	4	1,744.37	4	1,401.20	4	1,060.98	4	729.36	4	386.21	4	45.04	4		4			
1/4	2,080.39	1/4	1,737.22	1/4	1,394.06	1/4	1,054.14	1/4	722.22	1/4	379.06	1/4	38.79	1/4		1/4			
1/2	2,073.24	1/2	1,730.07	1/2	1,386.91	1/2	1,047.30	1/2	715.07	1/2	371.91	1/2	32.53	1/2		1/2			
3/4	2,066.09	3/4	1,722.92	3/4	1,379.76	3/4	1,040.45	3/4	707.92	3/4	364.77	3/4	28.07	3/4		3/4			
5	2,058.94	5	1,715.77	5	1,372.61	5	1,033.61	5	700.77	5	357.62	5	23.60	5		5			
1/4	2,051.79	1/4	1,708.62	1/4	1,365.46	1/4	1,026.77	1/4	693.62	1/4	350.47	1/4	19.13	1/4		1/4			
1/2	2,044.64	1/2	1,701.48	1/2	1,358.31	1/2	1,019.93	1/2	686.47	1/2	343.32	1/2	14.66	1/2		1/2			
3/4	2,037.49	3/4	1,694.33	3/4	1,351.16	3/4	1,013.09	3/4	679.32	3/4	336.17	3/4		3/4		3/4			
6	2,030.34	6	1,687.18	6	1,344.01	6	1,006.24	6	672.17	6	329.02	6		6		6			
1/4	2,023.19	1/4	1,680.03	1/4	1,336.86	1/4	999.40	1/4	665.02	1/4	321.87	1/4		1/4		1/4			
1/2	2,016.04	1/2	1,672.88	1/2	1,329.71	1/2	992.56	1/2	657.87	1/2	314.72	1/2		1/2		1/2			
3/4	2,008.90	3/4	1,665.73	3/4	1,322.56	3/4	985.72	3/4	650.73	3/4	307.57	3/4		3/4		3/4			
7	2,001.75	7	1,658.58	7	1,315.41	7	978.88	7	643.58	7	300.42	7		7		7			
1/4	1,994.60	1/4	1,651.43	1/4	1,308.26	1/4	972.04	1/4	636.43	1/4	293.28	1/4		1/4		1/4			
1/2	1,987.45	1/2	1,644.28	1/2	1,301.11	1/2	965.19	1/2	629.28	1/2	286.13	1/2		1/2		1/2			
3/4	1,980.30	3/4	1,637.13	3/4	1,293.97	3/4	958.35	3/4	622.13	3/4	278.98	3/4		3/4		3/4			
8	1,973.15	8	1,629.98	8	1,286.82	8	951.51	8	614.98	8	271.83	8		8		8			
1/4	1,966.00	1/4	1,622.83	1/4	1,279.67	1/4	944.67	1/4	607.83	1/4	264.68	1/4		1/4		1/4			
1/2	1,958.85	1/2	1,615.68	1/2	1,272.52	1/2	937.83	1/2	600.68	1/2	257.53	1/2		1/2		1/2			
3/4	1,951.70	3/4	1,608.53	3/4	1,265.37	3/4	930.99	3/4	593.53	3/4	250.38	3/4		3/4		3/4			
9	1,944.55	9	1,601.39	9	1,258.22	9	924.14	9	586.38	9	243.23	9		9		9			
1/4	1,937.40	1/4	1,594.24	1/4	1,251.07	1/4	917.30	1/4	579.24	1/4	236.08	1/4		1/4		1/4			
1/2	1,930.25	1/2	1,587.09	1/2	1,243.92	1/2	910.46	1/2	572.09	1/2	228.93	1/2		1/2		1/2			
3/4	1,923.10	3/4	1,579.94	3/4	1,236.77	3/4	903.62	3/4	564.94	3/4	221.79	3/4		3/4		3/4			
10	1,915.95	10	1,572.79	10	1,229.62	10	896.78	10	557.79	10	214.64	10		10		10			
1/4	1,908.81	1/4	1,565.64	1/4	1,222.47	1/4	889.94	1/4	550.64	1/4	207.49	1/4		1/4		1/4			
1/2	1,901.66	1/2	1,558.49	1/2	1,215.32	1/2	883.09	1/2	543.49	1/2	200.34	1/2		1/2		1/2			
3/4	1,894.51	3/4	1,551.34	3/4	1,208.17	3/4	876.25	3/4	536.34	3/4	193.19	3/4		3/4		3/4			
11	1,887.36	11	1,544.19	11	1,201.02	11	869.41	11	529.19	11	186.04	11		11		11			
1/4	1,880.21	1/4	1,537.04	1/4	1,193.88	1/4	862.57	1/4	522.04	1/4	178.89	1/4		1/4		1/4			
1/2	1,873.06	1/2	1,529.89	1/2	1,186.73	1/2	855.73	1/2	514.89	1/2	171.74	1/2		1/2		1/2			
3/4	1,865.91	3/4	1,522.74	3/4	1,179.58	3/4	848.88	3/4	507.75	3/4	164.59	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

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& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 STBD**  
**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	4,954.54	0	4,612.54	0	4,269.92	0	3,925.99	0	3,582.10	0	3,238.26	0	2,894.38	0	2,550.45
1/4		1/4		1/4	4,947.45	1/4	4,605.41	1/4	4,262.76	1/4	3,918.83	1/4	3,574.93	1/4	3,231.10	1/4	2,887.22	1/4	2,543.29
1/2		1/2		1/2	4,940.37	1/2	4,598.28	1/2	4,255.59	1/2	3,911.66	1/2	3,567.77	1/2	3,223.94	1/2	2,880.05	1/2	2,536.12
3/4		3/4		3/4	4,933.28	3/4	4,591.15	3/4	4,248.43	3/4	3,904.50	3/4	3,560.61	3/4	3,216.77	3/4	2,872.89	3/4	2,528.96
1		1		1	4,926.19	1	4,584.01	1	4,241.26	1	3,897.33	1	3,553.44	1	3,209.61	1	2,865.72	1	2,521.79
1/4		1/4		1/4	4,919.11	1/4	4,576.88	1/4	4,234.10	1/4	3,890.17	1/4	3,546.28	1/4	3,202.45	1/4	2,858.55	1/4	2,514.63
1/2		1/2		1/2	4,912.02	1/2	4,569.75	1/2	4,226.93	1/2	3,883.00	1/2	3,539.12	1/2	3,195.28	1/2	2,851.39	1/2	2,507.46
3/4		3/4		3/4	4,904.93	3/4	4,562.62	3/4	4,219.77	3/4	3,875.84	3/4	3,531.95	3/4	3,188.12	3/4	2,844.22	3/4	2,500.29
2		2		2	4,897.84	2	4,555.48	2	4,212.60	2	3,868.67	2	3,524.79	2	3,180.96	2	2,837.06	2	2,493.13
1/4		1/4		1/4	4,890.71	1/4	4,548.35	1/4	4,205.44	1/4	3,861.51	1/4	3,517.63	1/4	3,173.79	1/4	2,829.89	1/4	2,485.96
1/2		1/2		1/2	4,883.58	1/2	4,541.22	1/2	4,198.27	1/2	3,854.34	1/2	3,510.46	1/2	3,166.63	1/2	2,822.73	1/2	2,478.80
3/4		3/4		3/4	4,876.45	3/4	4,534.09	3/4	4,191.11	3/4	3,847.18	3/4	3,503.30	3/4	3,159.47	3/4	2,815.56	3/4	2,471.63
3		3		3	4,869.31	3	4,526.95	3	4,183.94	3	3,840.01	3	3,496.14	3	3,152.30	3	2,808.40	3	2,464.47
1/4		1/4		1/4	4,862.18	1/4	4,519.82	1/4	4,176.78	1/4	3,832.85	1/4	3,488.97	1/4	3,145.14	1/4	2,801.23	1/4	2,457.30
1/2		1/2		1/2	4,855.05	1/2	4,512.69	1/2	4,169.61	1/2	3,825.68	1/2	3,481.81	1/2	3,137.98	1/2	2,794.07	1/2	2,450.14
3/4		3/4		3/4	4,847.92	3/4	4,505.56	3/4	4,162.45	3/4	3,818.52	3/4	3,474.65	3/4	3,130.81	3/4	2,786.90	3/4	2,442.97
4		4		4	4,840.78	4	4,498.42	4	4,155.28	4	3,811.35	4	3,467.48	4	3,123.65	4	2,779.74	4	2,435.81
1/4		1/4		1/4	4,833.65	1/4	4,491.29	1/4	4,148.11	1/4	3,804.19	1/4	3,460.32	1/4	3,116.49	1/4	2,772.57	1/4	2,428.64
1/2		1/2		1/2	4,826.52	1/2	4,484.16	1/2	4,140.95	1/2	3,797.02	1/2	3,453.16	1/2	3,109.32	1/2	2,765.41	1/2	2,421.48
3/4		3/4		3/4	4,819.39	3/4	4,477.03	3/4	4,133.78	3/4	3,789.85	3/4	3,446.00	3/4	3,102.16	3/4	2,758.24	3/4	2,414.31
5		5		5	4,812.25	5	4,469.89	5	4,126.62	5	3,782.69	5	3,438.83	5	3,095.00	5	2,751.08	5	2,407.15
1/4		1/4		1/4	4,805.12	1/4	4,462.76	1/4	4,119.45	1/4	3,775.52	1/4	3,431.67	1/4	3,087.84	1/4	2,743.91	1/4	2,399.98
1/2		1/2		1/2	4,797.99	1/2	4,455.63	1/2	4,112.29	1/2	3,768.36	1/2	3,424.51	1/2	3,080.67	1/2	2,736.75	1/2	2,392.82
3/4		3/4		3/4	4,790.86	3/4	4,448.50	3/4	4,105.12	3/4	3,761.19	3/4	3,417.34	3/4	3,073.51	3/4	2,729.58	3/4	2,385.65
6		6	5,099.22	6	4,783.72	6	4,441.36	6	4,097.96	6	3,754.03	6	3,410.18	6	3,066.35	6	2,722.42	6	2,378.49
1/4		1/4	5,095.42	1/4	4,776.59	1/4	4,434.23	1/4	4,090.79	1/4	3,746.86	1/4	3,403.02	1/4	3,059.18	1/4	2,715.25	1/4	2,371.32
1/2		1/2	5,091.61	1/2	4,769.46	1/2	4,427.10	1/2	4,083.63	1/2	3,739.70	1/2	3,395.85	1/2	3,052.02	1/2	2,708.09	1/2	2,364.16
3/4		3/4	5,087.81	3/4	4,762.33	3/4	4,419.97	3/4	4,076.46	3/4	3,732.53	3/4	3,388.69	3/4	3,044.85	3/4	2,700.92	3/4	2,356.99
7		7	5,084.01	7	4,755.19	7	4,412.83	7	4,069.30	7	3,725.37	7	3,381.53	7	3,037.68	7	2,693.76	7	2,349.83
1/4		1/4	5,079.01	1/4	4,748.06	1/4	4,405.70	1/4	4,062.13	1/4	3,718.20	1/4	3,374.36	1/4	3,030.52	1/4	2,686.59	1/4	2,342.66
1/2		1/2	5,074.01	1/2	4,740.93	1/2	4,398.57	1/2	4,054.97	1/2	3,711.04	1/2	3,367.20	1/2	3,023.35	1/2	2,679.42	1/2	2,335.50
3/4		3/4	5,069.01	3/4	4,733.80	3/4	4,391.44	3/4	4,047.80	3/4	3,703.87	3/4	3,360.04	3/4	3,016.19	3/4	2,672.26	3/4	2,328.33
8		8	5,064.02	8	4,726.66	8	4,384.30	8	4,040.64	8	3,696.71	8	3,352.87	8	3,009.02	8	2,665.09	8	2,321.16
1/4		1/4	5,057.82	1/4	4,719.53	1/4	4,377.17	1/4	4,033.47	1/4	3,689.54	1/4	3,345.71	1/4	3,001.86	1/4	2,657.93	1/4	2,314.00
1/2		1/2	5,051.63	1/2	4,712.40	1/2	4,370.04	1/2	4,026.31	1/2	3,682.38	1/2	3,338.55	1/2	2,994.69	1/2	2,650.76	1/2	2,306.83
3/4		3/4	5,045.44	3/4	4,705.27	3/4	4,362.91	3/4	4,019.14	3/4	3,675.22	3/4	3,331.38	3/4	2,987.53	3/4	2,643.60	3/4	2,299.67
9		9	5,039.25	9	4,698.13	9	4,355.77	9	4,011.98	9	3,668.05	9	3,324.22	9	2,980.36	9	2,636.43	9	2,292.50
1/4		1/4	5,032.23	1/4	4,691.00	1/4	4,348.64	1/4	4,004.81	1/4	3,660.89	1/4	3,317.06	1/4	2,973.20	1/4	2,629.27	1/4	2,285.34
1/2		1/2	5,025.21	1/2	4,683.87	1/2	4,341.51	1/2	3,997.65	1/2	3,653.73	1/2	3,309.89	1/2	2,966.03	1/2	2,622.10	1/2	2,278.17
3/4		3/4	5,018.19	3/4	4,676.74	3/4	4,334.38	3/4	3,990.48	3/4	3,646.56	3/4	3,302.73	3/4	2,958.87	3/4	2,614.94	3/4	2,271.01
10		10	5,011.18	10	4,669.60	10	4,327.24	10	3,983.32	10	3,639.40	10	3,295.57	10	2,951.70	10	2,607.77	10	2,263.84
1/4		1/4	5,004.10	1/4	4,662.47	1/4	4,320.08	1/4	3,976.15	1/4	3,632.24	1/4	3,288.40	1/4	2,944.54	1/4	2,600.61	1/4	2,256.68
1/2		1/2	4,997.03	1/2	4,655.34	1/2	4,312.91	1/2	3,968.98	1/2	3,625.08	1/2	3,281.24	1/2	2,937.37	1/2	2,593.44	1/2	2,249.51
3/4		3/4	4,989.96	3/4	4,648.21	3/4	4,305.75	3/4	3,961.82	3/4	3,617.91	3/4	3,274.08	3/4	2,930.21	3/4	2,586.28	3/4	2,242.35
11		11	4,982.88	11	4,641.07	11	4,298.58	11	3,954.65	11	3,610.75	11	3,266.92	11	2,923.04	11	2,579.11	11	2,235.18
1/4		1/4	4,975.80	1/4	4,633.94	1/4	4,291.42	1/4	3,947.49	1/4	3,603.59	1/4	3,259.75	1/4	2,915.88	1/4	2,571.95	1/4	2,228.02
1/2		1/2	4,968.71	1/2	4,626.81	1/2	4,284.25	1/2	3,940.32	1/2	3,596.42	1/2	3,252.59	1/2	2,908.71	1/2	2,564.78	1/2	2,220.85
3/4		3/4	4,961.63	3/4	4,619.68	3/4	4,277.09	3/4	3,933.16	3/4	3,589.26	3/4	3,245.43	3/4	2,901.55	3/4	2,557.62	3/4	2,213.69

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 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 3314"

formerly the

# BARGE "FMT 3314"

**2 STBD**  
**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	2,206.52	0	1,862.59	0	1,518.66	0	1,174.73	0	831.30	0	487.38	0	143.47	0		0			
1/4	2,199.36	1/4	1,855.43	1/4	1,511.50	1/4	1,167.57	1/4	824.13	1/4	480.22	1/4	136.30	1/4		1/4			
1/2	2,192.19	1/2	1,848.26	1/2	1,504.33	1/2	1,160.40	1/2	816.97	1/2	473.05	1/2	129.14	1/2		1/2			
3/4	2,185.03	3/4	1,841.10	3/4	1,497.17	3/4	1,153.24	3/4	809.80	3/4	465.89	3/4	121.98	3/4		3/4			
1	2,177.86	1	1,833.93	1	1,490.00	1	1,146.07	1	802.64	1	458.72	1	114.81	1		1			
1/4	2,170.70	1/4	1,826.77	1/4	1,482.84	1/4	1,138.91	1/4	795.47	1/4	451.56	1/4	107.66	1/4		1/4			
1/2	2,163.53	1/2	1,819.60	1/2	1,475.67	1/2	1,131.74	1/2	788.31	1/2	444.39	1/2	100.50	1/2		1/2			
3/4	2,156.37	3/4	1,812.44	3/4	1,468.51	3/4	1,124.58	3/4	781.14	3/4	437.23	3/4	93.35	3/4		3/4			
2	2,149.20	2	1,805.27	2	1,461.34	2	1,117.41	2	773.98	2	430.06	2	86.19	2		2			
1/4	2,142.03	1/4	1,798.11	1/4	1,454.18	1/4	1,110.25	1/4	766.81	1/4	422.90	1/4	79.07	1/4		1/4			
1/2	2,134.87	1/2	1,790.94	1/2	1,447.01	1/2	1,103.09	1/2	759.65	1/2	415.73	1/2	71.94	1/2		1/2			
3/4	2,127.70	3/4	1,783.77	3/4	1,439.85	3/4	1,095.93	3/4	752.48	3/4	408.57	3/4	64.81	3/4		3/4			
3	2,120.54	3	1,776.61	3	1,432.68	3	1,088.78	3	745.32	3	401.40	3	57.68	3		3			
1/4	2,113.37	1/4	1,769.44	1/4	1,425.51	1/4	1,081.62	1/4	738.15	1/4	394.24	1/4	51.41	1/4		1/4			
1/2	2,106.21	1/2	1,762.28	1/2	1,418.35	1/2	1,074.47	1/2	730.99	1/2	387.07	1/2	45.14	1/2		1/2			
3/4	2,099.04	3/4	1,755.11	3/4	1,411.18	3/4	1,067.32	3/4	723.82	3/4	379.91	3/4	38.88	3/4		3/4			
4	2,091.88	4	1,747.95	4	1,404.02	4	1,060.17	4	716.66	4	372.74	4	32.61	4		4			
1/4	2,084.71	1/4	1,740.78	1/4	1,396.85	1/4	1,053.02	1/4	709.49	1/4	365.58	1/4	28.13	1/4		1/4			
1/2	2,077.55	1/2	1,733.62	1/2	1,389.69	1/2	1,045.87	1/2	702.33	1/2	358.41	1/2	23.65	1/2		1/2			
3/4	2,070.38	3/4	1,726.45	3/4	1,382.52	3/4	1,038.72	3/4	695.16	3/4	351.25	3/4	19.17	3/4		3/4			
5	2,063.22	5	1,719.29	5	1,375.36	5	1,031.57	5	688.00	5	344.08	5	14.70	5		5			
1/4	2,056.05	1/4	1,712.12	1/4	1,368.19	1/4	1,024.41	1/4	680.83	1/4	336.92	1/4		1/4		1/4			
1/2	2,048.89	1/2	1,704.96	1/2	1,361.03	1/2	1,017.26	1/2	673.67	1/2	329.75	1/2		1/2		1/2			
3/4	2,041.72	3/4	1,697.79	3/4	1,353.86	3/4	1,010.11	3/4	666.50	3/4	322.59	3/4		3/4		3/4			
6	2,034.56	6	1,690.63	6	1,346.70	6	1,002.96	6	659.34	6	315.42	6		6		6			
1/4	2,027.39	1/4	1,683.46	1/4	1,339.53	1/4	995.81	1/4	652.17	1/4	308.26	1/4		1/4		1/4			
1/2	2,020.23	1/2	1,676.30	1/2	1,332.37	1/2	988.66	1/2	645.01	1/2	301.09	1/2		1/2		1/2			
3/4	2,013.06	3/4	1,669.13	3/4	1,325.20	3/4	981.51	3/4	637.84	3/4	293.93	3/4		3/4		3/4			
7	2,005.90	7	1,661.97	7	1,318.04	7	974.36	7	630.68	7	286.76	7		7		7			
1/4	1,998.73	1/4	1,654.80	1/4	1,310.87	1/4	967.20	1/4	623.51	1/4	279.60	1/4		1/4		1/4			
1/2	1,991.57	1/2	1,647.64	1/2	1,303.71	1/2	960.05	1/2	616.35	1/2	272.43	1/2		1/2		1/2			
3/4	1,984.40	3/4	1,640.47	3/4	1,296.54	3/4	952.90	3/4	609.18	3/4	265.27	3/4		3/4		3/4			
8	1,977.24	8	1,633.31	8	1,289.38	8	945.75	8	602.02	8	258.10	8		8		8			
1/4	1,970.07	1/4	1,626.14	1/4	1,282.21	1/4	938.60	1/4	594.86	1/4	250.94	1/4		1/4		1/4			
1/2	1,962.90	1/2	1,618.98	1/2	1,275.05	1/2	931.45	1/2	587.69	1/2	243.78	1/2		1/2		1/2			
3/4	1,955.74	3/4	1,611.81	3/4	1,267.88	3/4	924.30	3/4	580.53	3/4	236.61	3/4		3/4		3/4			
9	1,948.57	9	1,604.64	9	1,260.72	9	917.15	9	573.36	9	229.45	9		9		9			
1/4	1,941.41	1/4	1,597.48	1/4	1,253.55	1/4	910.00	1/4	566.20	1/4	222.28	1/4		1/4		1/4			
1/2	1,934.24	1/2	1,590.31	1/2	1,246.38	1/2	902.85	1/2	559.03	1/2	215.12	1/2		1/2		1/2			
3/4	1,927.08	3/4	1,583.15	3/4	1,239.22	3/4	895.69	3/4	551.87	3/4	207.95	3/4		3/4		3/4			
10	1,919.91	10	1,575.98	10	1,232.05	10	888.54	10	544.70	10	200.79	10		10		10			
1/4	1,912.75	1/4	1,568.82	1/4	1,224.89	1/4	881.39	1/4	537.54	1/4	193.62	1/4		1/4		1/4			
1/2	1,905.58	1/2	1,561.65	1/2	1,217.72	1/2	874.24	1/2	530.37	1/2	186.46	1/2		1/2		1/2			
3/4	1,898.42	3/4	1,554.49	3/4	1,210.56	3/4	867.09	3/4	523.21	3/4	179.29	3/4		3/4		3/4			
11	1,891.25	11	1,547.32	11	1,203.39	11	859.94	11	516.04	11	172.13	11		11		11			
1/4	1,884.09	1/4	1,540.16	1/4	1,196.23	1/4	852.78	1/4	508.88	1/4	164.96	1/4		1/4		1/4			
1/2	1,876.92	1/2	1,532.99	1/2	1,189.06	1/2	845.62	1/2	501.71	1/2	157.80	1/2		1/2		1/2			
3/4	1,869.76	3/4	1,525.83	3/4	1,181.90	3/4	838.46	3/4	494.55	3/4	150.63	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**3 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	4,297.38	0	4,089.09	0	3,880.43	0	3,671.01	0	3,461.83	0	3,198.56	0	2,857.62	0	2,516.58
1/4		1/4		1/4	4,293.07	1/4	4,084.75	1/4	3,876.07	1/4	3,666.64	1/4	3,457.49	1/4	3,191.48	1/4	2,850.52	1/4	2,509.47
1/2		1/2		1/2	4,288.75	1/2	4,080.41	1/2	3,871.70	1/2	3,662.28	1/2	3,453.14	1/2	3,184.39	1/2	2,843.41	1/2	2,502.37
3/4		3/4		3/4	4,284.43	3/4	4,076.06	3/4	3,867.34	3/4	3,657.92	3/4	3,448.79	3/4	3,177.31	3/4	2,836.31	3/4	2,495.26
1		1		1	4,280.12	1	4,071.72	1	3,862.98	1	3,653.55	1	3,444.45	1	3,170.23	1	2,829.20	1	2,488.16
1/4		1/4		1/4	4,275.80	1/4	4,067.37	1/4	3,858.61	1/4	3,649.19	1/4	3,440.10	1/4	3,163.14	1/4	2,822.10	1/4	2,481.05
1/2		1/2		1/2	4,271.49	1/2	4,063.03	1/2	3,854.25	1/2	3,644.83	1/2	3,435.75	1/2	3,156.06	1/2	2,814.99	1/2	2,473.94
3/4		3/4		3/4	4,267.17	3/4	4,058.69	3/4	3,849.89	3/4	3,640.46	3/4	3,431.40	3/4	3,148.97	3/4	2,807.89	3/4	2,466.84
2		2		2	4,262.85	2	4,054.34	2	3,845.53	2	3,636.10	2	3,427.06	2	3,141.89	2	2,800.78	2	2,459.73
1/4		1/4		1/4	4,258.51	1/4	4,050.00	1/4	3,841.16	1/4	3,631.74	1/4	3,422.71	1/4	3,134.81	1/4	2,793.68	1/4	2,452.63
1/2		1/2		1/2	4,254.17	1/2	4,045.65	1/2	3,836.80	1/2	3,627.38	1/2	3,418.36	1/2	3,127.72	1/2	2,786.57	1/2	2,445.52
3/4		3/4		3/4	4,249.82	3/4	4,041.31	3/4	3,832.44	3/4	3,623.01	3/4	3,414.01	3/4	3,120.64	3/4	2,779.47	3/4	2,438.41
3		3		3	4,245.48	3	4,036.97	3	3,828.07	3	3,618.65	3	3,409.67	3	3,113.55	3	2,772.36	3	2,431.31
1/4		1/4		1/4	4,241.13	1/4	4,032.62	1/4	3,823.71	1/4	3,614.29	1/4	3,405.32	1/4	3,106.45	1/4	2,765.26	1/4	2,424.20
1/2		1/2		1/2	4,236.79	1/2	4,028.28	1/2	3,819.35	1/2	3,609.92	1/2	3,400.97	1/2	3,099.35	1/2	2,758.15	1/2	2,417.10
3/4		3/4		3/4	4,232.45	3/4	4,023.93	3/4	3,814.98	3/4	3,605.56	3/4	3,396.63	3/4	3,092.25	3/4	2,751.05	3/4	2,409.99
4		4		4	4,228.10	4	4,019.59	4	3,810.62	4	3,601.20	4	3,392.28	4	3,085.15	4	2,743.94	4	2,402.88
1/4		1/4		1/4	4,223.76	1/4	4,015.25	1/4	3,806.26	1/4	3,596.83	1/4	3,387.93	1/4	3,078.05	1/4	2,736.84	1/4	2,395.78
1/2		1/2		1/2	4,219.41	1/2	4,010.90	1/2	3,801.90	1/2	3,592.47	1/2	3,383.58	1/2	3,070.95	1/2	2,729.73	1/2	2,388.67
3/4		3/4		3/4	4,215.07	3/4	4,006.56	3/4	3,797.53	3/4	3,588.11	3/4	3,379.24	3/4	3,063.84	3/4	2,722.63	3/4	2,381.56
5		5		5	4,210.73	5	4,002.21	5	3,793.17	5	3,583.75	5	3,374.89	5	3,056.74	5	2,715.52	5	2,374.46
1/4		1/4		1/4	4,206.38	1/4	3,997.87	1/4	3,788.81	1/4	3,579.38	1/4	3,370.56	1/4	3,049.64	1/4	2,708.42	1/4	2,367.35
1/2		1/2		1/2	4,202.04	1/2	3,993.53	1/2	3,784.44	1/2	3,575.02	1/2	3,366.23	1/2	3,042.54	1/2	2,701.31	1/2	2,360.25
3/4		3/4		3/4	4,197.69	3/4	3,989.18	3/4	3,780.08	3/4	3,570.66	3/4	3,361.90	3/4	3,035.44	3/4	2,694.21	3/4	2,353.14
6		6	4,378.32	6	4,193.35	6	3,984.84	6	3,775.72	6	3,566.29	6	3,357.57	6	3,028.34	6	2,687.10	6	2,346.03
1/4		1/4	4,376.62	1/4	4,189.01	1/4	3,980.49	1/4	3,771.35	1/4	3,561.93	1/4	3,353.25	1/4	3,021.22	1/4	2,679.99	1/4	2,338.93
1/2		1/2	4,374.91	1/2	4,184.66	1/2	3,976.15	1/2	3,766.99	1/2	3,557.57	1/2	3,348.92	1/2	3,014.10	1/2	2,672.89	1/2	2,331.82
3/4		3/4	4,373.21	3/4	4,180.32	3/4	3,971.81	3/4	3,762.63	3/4	3,553.20	3/4	3,344.59	3/4	3,006.99	3/4	2,665.78	3/4	2,324.71
7		7	4,371.50	7	4,175.97	7	3,967.46	7	3,758.27	7	3,548.84	7	3,340.26	7	2,999.87	7	2,658.68	7	2,317.61
1/4		1/4	4,369.26	1/4	4,171.63	1/4	3,963.12	1/4	3,753.90	1/4	3,544.48	1/4	3,333.17	1/4	2,992.75	1/4	2,651.57	1/4	2,310.50
1/2		1/2	4,367.02	1/2	4,167.29	1/2	3,958.77	1/2	3,749.54	1/2	3,540.12	1/2	3,326.09	1/2	2,985.64	1/2	2,644.47	1/2	2,303.40
3/4		3/4	4,364.78	3/4	4,162.94	3/4	3,954.43	3/4	3,745.18	3/4	3,535.75	3/4	3,319.00	3/4	2,978.52	3/4	2,637.36	3/4	2,296.29
8		8	4,362.54	8	4,158.60	8	3,950.09	8	3,740.81	8	3,531.39	8	3,311.92	8	2,971.40	8	2,630.26	8	2,289.18
1/4		1/4	4,359.12	1/4	4,154.25	1/4	3,945.74	1/4	3,736.45	1/4	3,527.04	1/4	3,304.83	1/4	2,964.28	1/4	2,623.15	1/4	2,282.08
1/2		1/2	4,355.69	1/2	4,149.91	1/2	3,941.40	1/2	3,732.09	1/2	3,522.69	1/2	3,297.75	1/2	2,957.17	1/2	2,616.05	1/2	2,274.97
3/4		3/4	4,352.26	3/4	4,145.57	3/4	3,937.05	3/4	3,727.72	3/4	3,518.35	3/4	3,290.66	3/4	2,950.05	3/4	2,608.94	3/4	2,267.86
9		9	4,348.84	9	4,141.22	9	3,932.71	9	3,723.36	9	3,514.00	9	3,283.57	9	2,942.93	9	2,601.84	9	2,260.76
1/4		1/4	4,344.59	1/4	4,136.88	1/4	3,928.37	1/4	3,719.00	1/4	3,509.65	1/4	3,276.49	1/4	2,935.81	1/4	2,594.73	1/4	2,253.65
1/2		1/2	4,340.34	1/2	4,132.53	1/2	3,924.02	1/2	3,714.64	1/2	3,505.31	1/2	3,269.40	1/2	2,928.70	1/2	2,587.63	1/2	2,246.55
3/4		3/4	4,336.09	3/4	4,128.19	3/4	3,919.68	3/4	3,710.27	3/4	3,500.96	3/4	3,262.32	3/4	2,921.58	3/4	2,580.52	3/4	2,239.44
10		10	4,331.84	10	4,123.85	10	3,915.33	10	3,705.91	10	3,496.61	10	3,255.23	10	2,914.46	10	2,573.42	10	2,232.33
1/4		1/4	4,327.54	1/4	4,119.50	1/4	3,910.97	1/4	3,701.55	1/4	3,492.26	1/4	3,248.15	1/4	2,907.36	1/4	2,566.31	1/4	2,225.23
1/2		1/2	4,323.24	1/2	4,115.16	1/2	3,906.61	1/2	3,697.18	1/2	3,487.92	1/2	3,241.06	1/2	2,900.25	1/2	2,559.21	1/2	2,218.12
3/4		3/4	4,318.94	3/4	4,110.81	3/4	3,902.24	3/4	3,692.82	3/4	3,483.57	3/4	3,233.98	3/4	2,893.15	3/4	2,552.10	3/4	2,211.02
11		11	4,314.64	11	4,106.47	11	3,897.88	11	3,688.46	11	3,479.22	11	3,226.90	11	2,886.04	11	2,545.00	11	2,203.91
1/4		1/4	4,310.32	1/4	4,102.13	1/4	3,893.52	1/4	3,684.09	1/4	3,474.88	1/4	3,219.81	1/4	2,878.94	1/4	2,537.89	1/4	2,196.80
1/2		1/2	4,306.01	1/2	4,097.78	1/2	3,889.16	1/2	3,679.73	1/2	3,470.53	1/2	3,212.73	1/2	2,871.83	1/2	2,530.79	1/2	2,189.70
3/4		3/4	4,301.70	3/4	4,093.44	3/4	3,884.79	3/4	3,675.37	3/4	3,466.18	3/4	3,205.64	3/4	2,864.73	3/4	2,523.68	3/4	2,182.59

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 3314"

formerly the  
BARGE "FMT 3314"

**3 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	2,175.48	0	1,834.39	0	1,493.29	0	1,152.19	0	824.32	0	484.08	0	142.55	0		0			
1/4	2,168.38	1/4	1,827.28	1/4	1,486.18	1/4	1,145.09	1/4	817.44	1/4	476.98	1/4	135.44	1/4	1/4				
1/2	2,161.27	1/2	1,820.17	1/2	1,479.08	1/2	1,137.98	1/2	810.56	1/2	469.87	1/2	128.32	1/2	1/2				
3/4	2,154.17	3/4	1,813.07	3/4	1,471.97	3/4	1,130.87	3/4	803.69	3/4	462.76	3/4	121.20	3/4	3/4				
1	2,147.06	1	1,805.96	1	1,464.86	1	1,123.77	1	796.81	1	455.65	1	114.08	1	1				
1/4	2,139.95	1/4	1,798.86	1/4	1,457.76	1/4	1,116.89	1/4	789.71	1/4	448.55	1/4	106.97	1/4	1/4				
1/2	2,132.85	1/2	1,791.75	1/2	1,450.65	1/2	1,110.02	1/2	782.60	1/2	441.44	1/2	99.87	1/2	1/2				
3/4	2,125.74	3/4	1,784.64	3/4	1,443.55	3/4	1,103.14	3/4	775.49	3/4	434.33	3/4	92.76	3/4	3/4				
2	2,118.63	2	1,777.54	2	1,436.44	2	1,096.27	2	768.38	2	427.22	2	85.65	2	2				
1/4	2,111.53	1/4	1,770.43	1/4	1,429.33	1/4	1,089.46	1/4	761.28	1/4	420.12	1/4	78.57	1/4	1/4				
1/2	2,104.42	1/2	1,763.32	1/2	1,422.23	1/2	1,082.66	1/2	754.17	1/2	413.01	1/2	71.48	1/2	1/2				
3/4	2,097.32	3/4	1,756.22	3/4	1,415.12	3/4	1,075.85	3/4	747.06	3/4	405.90	3/4	64.40	3/4	3/4				
3	2,090.21	3	1,749.11	3	1,408.01	3	1,069.04	3	739.95	3	398.79	3	57.32	3	3				
1/4	2,083.10	1/4	1,742.01	1/4	1,400.91	1/4	1,062.25	1/4	732.85	1/4	391.69	1/4	51.09	1/4	1/4				
1/2	2,076.00	1/2	1,734.90	1/2	1,393.80	1/2	1,055.45	1/2	725.74	1/2	384.58	1/2	44.86	1/2	1/2				
3/4	2,068.89	3/4	1,727.79	3/4	1,386.70	3/4	1,048.65	3/4	718.63	3/4	377.47	3/4	38.63	3/4	3/4				
4	2,061.79	4	1,720.69	4	1,379.59	4	1,041.86	4	711.52	4	370.36	4	32.41	4	4				
1/4	2,054.68	1/4	1,713.58	1/4	1,372.48	1/4	1,035.06	1/4	704.42	1/4	363.25	1/4	27.96	1/4	1/4				
1/2	2,047.57	1/2	1,706.48	1/2	1,365.38	1/2	1,028.26	1/2	697.31	1/2	356.13	1/2	23.51	1/2	1/2				
3/4	2,040.47	3/4	1,699.37	3/4	1,358.27	3/4	1,021.46	3/4	690.20	3/4	349.01	3/4	19.06	3/4	3/4				
5	2,033.36	5	1,692.26	5	1,351.17	5	1,014.67	5	683.09	5	341.89	5	14.60	5	5				
1/4	2,026.25	1/4	1,685.16	1/4	1,344.06	1/4	1,007.87	1/4	675.99	1/4	334.77	1/4		1/4	1/4				
1/2	2,019.15	1/2	1,678.05	1/2	1,336.95	1/2	1,001.07	1/2	668.88	1/2	327.65	1/2		1/2	1/2				
3/4	2,012.04	3/4	1,670.94	3/4	1,329.85	3/4	994.28	3/4	661.77	3/4	320.53	3/4		3/4	3/4				
6	2,004.94	6	1,663.84	6	1,322.74	6	987.48	6	654.66	6	313.41	6		6	6				
1/4	1,997.83	1/4	1,656.73	1/4	1,315.63	1/4	980.68	1/4	647.56	1/4	306.29	1/4		1/4	1/4				
1/2	1,990.72	1/2	1,649.63	1/2	1,308.53	1/2	973.88	1/2	640.45	1/2	299.17	1/2		1/2	1/2				
3/4	1,983.62	3/4	1,642.52	3/4	1,301.42	3/4	967.09	3/4	633.34	3/4	292.05	3/4		3/4	3/4				
7	1,976.51	7	1,635.41	7	1,294.32	7	960.29	7	626.23	7	284.94	7		7	7				
1/4	1,969.40	1/4	1,628.31	1/4	1,287.21	1/4	953.49	1/4	619.13	1/4	277.82	1/4		1/4	1/4				
1/2	1,962.30	1/2	1,621.20	1/2	1,280.10	1/2	946.69	1/2	612.02	1/2	270.70	1/2		1/2	1/2				
3/4	1,955.19	3/4	1,614.09	3/4	1,273.00	3/4	939.90	3/4	604.91	3/4	263.58	3/4		3/4	3/4				
8	1,948.09	8	1,606.99	8	1,265.89	8	933.10	8	597.80	8	256.46	8		8	8				
1/4	1,940.98	1/4	1,599.88	1/4	1,258.78	1/4	926.30	1/4	590.70	1/4	249.34	1/4		1/4	1/4				
1/2	1,933.87	1/2	1,592.78	1/2	1,251.68	1/2	919.51	1/2	583.59	1/2	242.22	1/2		1/2	1/2				
3/4	1,926.77	3/4	1,585.67	3/4	1,244.57	3/4	912.71	3/4	576.48	3/4	235.10	3/4		3/4	3/4				
9	1,919.66	9	1,578.56	9	1,237.47	9	905.91	9	569.37	9	227.98	9		9	9				
1/4	1,912.55	1/4	1,571.46	1/4	1,230.36	1/4	899.12	1/4	562.27	1/4	220.86	1/4		1/4	1/4				
1/2	1,905.45	1/2	1,564.35	1/2	1,223.25	1/2	892.32	1/2	555.16	1/2	213.74	1/2		1/2	1/2				
3/4	1,898.34	3/4	1,557.24	3/4	1,216.15	3/4	885.52	3/4	548.05	3/4	206.63	3/4		3/4	3/4				
10	1,891.24	10	1,550.14	10	1,209.04	10	878.72	10	540.94	10	199.51	10		10	10				
1/4	1,884.13	1/4	1,543.03	1/4	1,201.93	1/4	871.93	1/4	533.84	1/4	192.39	1/4		1/4	1/4				
1/2	1,877.02	1/2	1,535.93	1/2	1,194.83	1/2	865.13	1/2	526.73	1/2	185.27	1/2		1/2	1/2				
3/4	1,869.92	3/4	1,528.82	3/4	1,187.72	3/4	858.33	3/4	519.62	3/4	178.15	3/4		3/4	3/4				
11	1,862.81	11	1,521.71	11	1,180.62	11	851.54	11	512.51	11	171.03	11		11	11				
1/4	1,855.71	1/4	1,514.61	1/4	1,173.51	1/4	844.73	1/4	505.41	1/4	163.91	1/4		1/4	1/4				
1/2	1,848.60	1/2	1,507.50	1/2	1,166.40	1/2	837.93	1/2	498.30	1/2	156.79	1/2		1/2	1/2				
3/4	1,841.49	3/4	1,500.40	3/4	1,159.30	3/4	831.12	3/4	491.19	3/4	149.67	3/4		3/4	3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**3 STBD**  
**ULLAGE TABLE**

**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

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	4,323.73	0	4,114.44	0	3,904.79	0	3,694.41	0	3,484.03	0	3,213.92	0	2,871.94	0	2,529.51
1/4		1/4		1/4	4,319.40	1/4	4,110.08	1/4	3,900.41	1/4	3,690.03	1/4	3,479.65	1/4	3,206.81	1/4	2,864.81	1/4	2,522.36
1/2		1/2		1/2	4,315.06	1/2	4,105.71	1/2	3,896.02	1/2	3,685.65	1/2	3,475.27	1/2	3,199.70	1/2	2,857.68	1/2	2,515.21
3/4		3/4		3/4	4,310.72	3/4	4,101.35	3/4	3,891.64	3/4	3,681.26	3/4	3,470.88	3/4	3,192.59	3/4	2,850.55	3/4	2,508.07
1		1		1	4,306.39	1	4,096.99	1	3,887.26	1	3,676.88	1	3,466.50	1	3,185.48	1	2,843.43	1	2,500.92
1/4		1/4		1/4	4,302.05	1/4	4,092.62	1/4	3,882.88	1/4	3,672.50	1/4	3,462.12	1/4	3,178.37	1/4	2,836.30	1/4	2,493.77
1/2		1/2		1/2	4,297.72	1/2	4,088.26	1/2	3,878.49	1/2	3,668.11	1/2	3,457.73	1/2	3,171.26	1/2	2,829.17	1/2	2,486.63
3/4		3/4		3/4	4,293.35	3/4	4,083.89	3/4	3,874.11	3/4	3,663.73	3/4	3,453.35	3/4	3,164.15	3/4	2,822.04	3/4	2,479.48
2		2		2	4,288.99	2	4,079.53	2	3,869.73	2	3,659.35	2	3,448.97	2	3,157.04	2	2,814.91	2	2,472.34
1/4		1/4		1/4	4,284.62	1/4	4,075.17	1/4	3,865.34	1/4	3,654.96	1/4	3,444.59	1/4	3,149.93	1/4	2,807.78	1/4	2,465.19
1/2		1/2		1/2	4,280.26	1/2	4,070.80	1/2	3,860.96	1/2	3,650.58	1/2	3,440.20	1/2	3,142.81	1/2	2,800.66	1/2	2,458.04
3/4		3/4		3/4	4,275.90	3/4	4,066.44	3/4	3,856.58	3/4	3,646.20	3/4	3,435.82	3/4	3,135.69	3/4	2,793.53	3/4	2,450.90
3		3		3	4,271.53	3	4,062.08	3	3,852.20	3	3,641.82	3	3,431.44	3	3,128.56	3	2,786.40	3	2,443.75
1/4		1/4		1/4	4,267.17	1/4	4,057.71	1/4	3,847.81	1/4	3,637.43	1/4	3,427.05	1/4	3,121.43	1/4	2,779.27	1/4	2,436.60
1/2		1/2		1/2	4,262.81	1/2	4,053.35	1/2	3,843.43	1/2	3,633.05	1/2	3,422.67	1/2	3,114.30	1/2	2,772.14	1/2	2,429.46
3/4		3/4		3/4	4,258.44	3/4	4,048.98	3/4	3,839.05	3/4	3,628.67	3/4	3,418.29	3/4	3,107.17	3/4	2,765.01	3/4	2,422.31
4		4		4	4,254.08	4	4,044.62	4	3,834.66	4	3,624.28	4	3,413.91	4	3,100.04	4	2,757.89	4	2,415.16
1/4		1/4		1/4	4,249.71	1/4	4,040.26	1/4	3,830.28	1/4	3,619.90	1/4	3,409.52	1/4	3,092.92	1/4	2,750.76	1/4	2,408.02
1/2		1/2		1/2	4,245.35	1/2	4,035.89	1/2	3,825.90	1/2	3,615.52	1/2	3,405.14	1/2	3,085.79	1/2	2,743.63	1/2	2,400.87
3/4		3/4		3/4	4,240.99	3/4	4,031.53	3/4	3,821.52	3/4	3,611.14	3/4	3,400.79	3/4	3,078.66	3/4	2,736.50	3/4	2,393.72
5		5		5	4,236.62	5	4,027.17	5	3,817.13	5	3,606.75	5	3,396.45	5	3,071.53	5	2,729.37	5	2,386.58
1/4		1/4		1/4	4,232.26	1/4	4,022.80	1/4	3,812.75	1/4	3,602.37	1/4	3,392.10	1/4	3,064.40	1/4	2,722.25	1/4	2,379.43
1/2		1/2		1/2	4,413.72	1/2	4,227.90	1/2	4,018.44	1/2	3,808.37	1/2	3,597.99	1/2	3,387.75	1/2	3,057.28	1/2	2,715.12
3/4		3/4		3/4	4,412.01	3/4	4,223.53	3/4	4,014.07	3/4	3,803.98	3/4	3,593.60	3/4	3,383.40	3/4	3,050.15	3/4	2,707.99
6		6		6	4,410.30	6	4,219.17	6	4,009.71	6	3,799.60	6	3,589.22	6	3,379.06	6	3,043.02	6	2,700.86
1/4		1/4		1/4	4,408.58	1/4	4,214.80	1/4	4,005.35	1/4	3,795.22	1/4	3,584.84	1/4	3,374.71	1/4	3,035.89	1/4	2,693.73
1/2		1/2		1/2	4,406.87	1/2	4,210.44	1/2	4,000.98	1/2	3,790.83	1/2	3,580.46	1/2	3,370.36	1/2	3,028.76	1/2	2,686.60
3/4		3/4		3/4	4,404.62	3/4	4,206.08	3/4	3,996.62	3/4	3,786.45	3/4	3,576.07	3/4	3,363.25	3/4	3,021.63	3/4	2,679.48
7		7		7	4,402.37	7	4,201.71	7	3,992.26	7	3,782.07	7	3,571.69	7	3,356.14	7	3,014.51	7	2,672.35
1/4		1/4		1/4	4,400.12	1/4	4,197.35	1/4	3,987.89	1/4	3,777.69	1/4	3,567.31	1/4	3,349.03	1/4	3,007.38	1/4	2,665.22
1/2		1/2		1/2	4,397.86	1/2	4,192.99	1/2	3,983.53	1/2	3,773.30	1/2	3,562.92	1/2	3,341.92	1/2	3,000.25	1/2	2,658.09
3/4		3/4		3/4	4,394.42	3/4	4,188.62	3/4	3,979.17	3/4	3,768.92	3/4	3,558.54	3/4	3,334.81	3/4	2,993.12	3/4	2,650.96
8		8		8	4,390.98	8	4,184.26	8	3,974.80	8	3,764.54	8	3,554.16	8	3,327.70	8	2,985.99	8	2,643.83
1/4		1/4		1/4	4,387.54	1/4	4,179.90	1/4	3,970.44	1/4	3,760.15	1/4	3,549.78	1/4	3,320.59	1/4	2,978.86	1/4	2,636.71
1/2		1/2		1/2	4,384.09	1/2	4,175.53	1/2	3,966.07	1/2	3,755.77	1/2	3,545.39	1/2	3,313.48	1/2	2,971.74	1/2	2,629.58
3/4		3/4		3/4	4,379.82	3/4	4,171.17	3/4	3,961.71	3/4	3,751.39	3/4	3,541.01	3/4	3,306.37	3/4	2,964.61	3/4	2,622.43
9		9		9	4,375.56	9	4,166.80	9	3,957.35	9	3,747.01	9	3,536.63	9	3,299.25	9	2,957.48	9	2,615.28
1/4		1/4		1/4	4,371.29	1/4	4,162.44	1/4	3,952.98	1/4	3,742.62	1/4	3,532.24	1/4	3,292.14	1/4	2,950.35	1/4	2,608.13
1/2		1/2		1/2	4,367.02	1/2	4,158.08	1/2	3,948.62	1/2	3,738.24	1/2	3,527.86	1/2	3,285.03	1/2	2,943.22	1/2	2,600.99
3/4		3/4		3/4	4,362.70	3/4	4,153.71	3/4	3,944.24	3/4	3,733.86	3/4	3,523.48	3/4	3,277.92	3/4	2,936.09	3/4	2,593.84
10		10		10	4,358.38	10	4,149.35	10	3,939.85	10	3,729.47	10	3,519.10	10	3,270.81	10	2,928.97	10	2,586.69
1/4		1/4		1/4	4,354.06	1/4	4,144.99	1/4	3,935.47	1/4	3,725.09	1/4	3,514.71	1/4	3,263.70	1/4	2,921.84	1/4	2,579.54
1/2		1/2		1/2	4,349.74	1/2	4,140.62	1/2	3,931.09	1/2	3,720.71	1/2	3,510.33	1/2	3,256.59	1/2	2,914.71	1/2	2,572.40
3/4		3/4		3/4	4,345.40	3/4	4,136.26	3/4	3,926.70	3/4	3,716.33	3/4	3,505.95	3/4	3,249.48	3/4	2,907.58	3/4	2,565.25
11		11		11	4,341.07	11	4,131.89	11	3,922.32	11	3,711.94	11	3,501.56	11	3,242.37	11	2,900.45	11	2,558.10
1/4		1/4		1/4	4,336.74	1/4	4,127.53	1/4	3,917.94	1/4	3,707.56	1/4	3,497.18	1/4	3,235.26	1/4	2,893.32	1/4	2,550.95
1/2		1/2		1/2	4,332.41	1/2	4,123.17	1/2	3,913.56	1/2	3,703.18	1/2	3,492.80	1/2	3,228.15	1/2	2,886.20	1/2	2,543.80
3/4		3/4		3/4	4,328.07	3/4	4,118.80	3/4	3,909.17	3/4	3,698.79	3/4	3,488.41	3/4	3,221.03	3/4	2,879.07	3/4	2,536.66

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**3 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 16'-04 1/2"**

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	2,186.48	0	1,843.44	0	1,500.41	0	1,157.38	0	814.85	0	471.82	0	128.80	0		0		0	
1/4	2,179.33	1/4	1,836.30	1/4	1,493.26	1/4	1,150.23	1/4	807.70	1/4	464.68	1/4	121.66	1/4	1/4	1/4		1/4	
1/2	2,172.18	1/2	1,829.15	1/2	1,486.12	1/2	1,143.09	1/2	800.55	1/2	457.53	1/2	114.51	1/2	1/2	1/2		1/2	
3/4	2,165.04	3/4	1,822.00	3/4	1,478.97	3/4	1,135.94	3/4	793.41	3/4	450.38	3/4	107.38	3/4	3/4	3/4		3/4	
1	2,157.89	1	1,814.86	1	1,471.83	1	1,128.79	1	786.26	1	443.24	1	100.24	1	1	1		1	
1/4	2,150.74	1/4	1,807.71	1/4	1,464.68	1/4	1,121.65	1/4	779.11	1/4	436.09	1/4	93.11	1/4	1/4	1/4		1/4	
1/2	2,143.60	1/2	1,800.56	1/2	1,457.53	1/2	1,114.50	1/2	771.97	1/2	428.95	1/2	85.97	1/2	1/2	1/2		1/2	
3/4	2,136.45	3/4	1,793.42	3/4	1,450.39	3/4	1,107.36	3/4	764.82	3/4	421.80	3/4	78.86	3/4	3/4	3/4		3/4	
2	2,129.30	2	1,786.27	2	1,443.24	2	1,100.22	2	757.68	2	414.65	2	71.75	2	2	2		2	
1/4	2,122.16	1/4	1,779.12	1/4	1,436.09	1/4	1,093.08	1/4	750.53	1/4	407.51	1/4	64.64	1/4	1/4	1/4		1/4	
1/2	2,115.01	1/2	1,771.98	1/2	1,428.95	1/2	1,085.94	1/2	743.38	1/2	400.36	1/2	57.53	1/2	1/2	1/2		1/2	
3/4	2,107.86	3/4	1,764.83	3/4	1,421.80	3/4	1,078.81	3/4	736.24	3/4	393.21	3/4	51.28	3/4	3/4	3/4		3/4	
3	2,100.72	3	1,757.69	3	1,414.65	3	1,071.67	3	729.09	3	386.07	3	45.03	3	3	3		3	
1/4	2,093.57	1/4	1,750.54	1/4	1,407.51	1/4	1,064.54	1/4	721.94	1/4	378.92	1/4	38.78	1/4	1/4	1/4		1/4	
1/2	2,086.42	1/2	1,743.39	1/2	1,400.36	1/2	1,057.41	1/2	714.80	1/2	371.78	1/2	32.52	1/2	1/2	1/2		1/2	
3/4	2,079.28	3/4	1,736.25	3/4	1,393.21	3/4	1,050.28	3/4	707.65	3/4	364.63	3/4	28.06	3/4	3/4	3/4		3/4	
4	2,072.13	4	1,729.10	4	1,386.07	4	1,043.14	4	700.51	4	357.48	4	23.59	4	4	4		4	
1/4	2,064.98	1/4	1,721.95	1/4	1,378.92	1/4	1,036.01	1/4	693.36	1/4	350.34	1/4	19.13	1/4	1/4	1/4		1/4	
1/2	2,057.84	1/2	1,714.81	1/2	1,371.77	1/2	1,028.88	1/2	686.21	1/2	343.19	1/2	14.66	1/2	1/2	1/2		1/2	
3/4	2,050.69	3/4	1,707.66	3/4	1,364.63	3/4	1,021.75	3/4	679.07	3/4	336.04	3/4		3/4	3/4	3/4		3/4	
5	2,043.55	5	1,700.51	5	1,357.48	5	1,014.61	5	671.92	5	328.90	5		5	5	5		5	
1/4	2,036.40	1/4	1,693.37	1/4	1,350.33	1/4	1,007.48	1/4	664.77	1/4	321.75	1/4		1/4	1/4	1/4		1/4	
1/2	2,029.25	1/2	1,686.22	1/2	1,343.19	1/2	1,000.35	1/2	657.63	1/2	314.61	1/2		1/2	1/2	1/2		1/2	
3/4	2,022.11	3/4	1,679.07	3/4	1,336.04	3/4	993.22	3/4	650.48	3/4	307.46	3/4		3/4	3/4	3/4		3/4	
6	2,014.96	6	1,671.93	6	1,328.90	6	986.08	6	643.34	6	300.31	6		6	6	6		6	
1/4	2,007.81	1/4	1,664.78	1/4	1,321.75	1/4	978.95	1/4	636.19	1/4	293.17	1/4		1/4	1/4	1/4		1/4	
1/2	2,000.67	1/2	1,657.63	1/2	1,314.60	1/2	971.82	1/2	629.04	1/2	286.02	1/2		1/2	1/2	1/2		1/2	
3/4	1,993.52	3/4	1,650.49	3/4	1,307.46	3/4	964.69	3/4	621.90	3/4	278.87	3/4		3/4	3/4	3/4		3/4	
7	1,986.37	7	1,643.34	7	1,300.31	7	957.55	7	614.75	7	271.73	7		7	7	7		7	
1/4	1,979.23	1/4	1,636.19	1/4	1,293.16	1/4	950.42	1/4	607.60	1/4	264.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,972.08	1/2	1,629.05	1/2	1,286.02	1/2	943.29	1/2	600.46	1/2	257.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,964.93	3/4	1,621.90	3/4	1,278.87	3/4	936.16	3/4	593.31	3/4	250.29	3/4		3/4	3/4	3/4		3/4	
8	1,957.79	8	1,614.76	8	1,271.72	8	929.02	8	586.16	8	243.14	8		8	8	8		8	
1/4	1,950.64	1/4	1,607.61	1/4	1,264.58	1/4	921.89	1/4	579.02	1/4	236.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,943.49	1/2	1,600.46	1/2	1,257.43	1/2	914.76	1/2	571.87	1/2	228.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,936.35	3/4	1,593.32	3/4	1,250.28	3/4	907.63	3/4	564.73	3/4	221.70	3/4		3/4	3/4	3/4		3/4	
9	1,929.20	9	1,586.17	9	1,243.14	9	900.49	9	557.58	9	214.56	9		9	9	9		9	
1/4	1,922.05	1/4	1,579.02	1/4	1,235.99	1/4	893.36	1/4	550.43	1/4	207.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,914.91	1/2	1,571.88	1/2	1,228.84	1/2	886.23	1/2	543.29	1/2	200.26	1/2		1/2	1/2	1/2		1/2	
3/4	1,907.76	3/4	1,564.73	3/4	1,221.70	3/4	879.10	3/4	536.14	3/4	193.12	3/4		3/4	3/4	3/4		3/4	
10	1,900.62	10	1,557.58	10	1,214.55	10	871.97	10	528.99	10	185.97	10		10	10	10		10	
1/4	1,893.47	1/4	1,550.44	1/4	1,207.40	1/4	864.83	1/4	521.85	1/4	178.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,886.32	1/2	1,543.29	1/2	1,200.26	1/2	857.70	1/2	514.70	1/2	171.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,879.18	3/4	1,536.14	3/4	1,193.11	3/4	850.56	3/4	507.56	3/4	164.53	3/4		3/4	3/4	3/4		3/4	
11	1,872.03	11	1,529.00	11	1,185.97	11	843.42	11	500.41	11	157.39	11		11	11	11		11	
1/4	1,864.88	1/4	1,521.85	1/4	1,178.82	1/4	836.28	1/4	493.26	1/4	150.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,857.74	1/2	1,514.70	1/2	1,171.67	1/2	829.14	1/2	486.12	1/2	143.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,850.59	3/4	1,507.56	3/4	1,164.53	3/4	821.99	3/4	478.97	3/4	135.95	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the  
**BARGE "FMT 3314"**  
**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	- 08-1/8	08-1/8	- 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	- 08-1/8	08-1/8	- 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"

July 29, 2020

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 PORT**  
**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	251.71	0	582.03	0	923.04	0	1,264.31	0	1,606.76	0	1,949.22	0	2,291.67	0	2,634.12	0	2,976.55
1/4	3.93	1/4	258.18	1/4	589.16	1/4	930.11	1/4	1,271.44	1/4	1,613.90	1/4	1,956.35	1/4	2,298.81	1/4	2,641.26	1/4	2,983.69
1/2	5.72	1/2	264.64	1/2	596.30	1/2	937.19	1/2	1,278.57	1/2	1,621.03	1/2	1,963.49	1/2	2,305.94	1/2	2,648.39	1/2	2,990.82
3/4	7.50	3/4	271.11	3/4	603.43	3/4	944.26	3/4	1,285.71	3/4	1,628.17	3/4	1,970.62	3/4	2,313.08	3/4	2,655.52	3/4	2,997.96
1	9.28	1	277.58	1	610.56	1	951.34	1	1,292.84	1	1,635.30	1	1,977.76	1	2,320.21	1	2,662.66	1	3,005.09
1/4	12.08	1/4	284.13	1/4	617.70	1/4	958.41	1/4	1,299.98	1/4	1,642.43	1/4	1,984.89	1/4	2,327.35	1/4	2,669.79	1/4	3,012.22
1/2	14.88	1/2	290.68	1/2	624.83	1/2	965.48	1/2	1,307.11	1/2	1,649.57	1/2	1,992.02	1/2	2,334.48	1/2	2,676.93	1/2	3,019.35
3/4	17.67	3/4	297.23	3/4	631.97	3/4	972.56	3/4	1,314.25	3/4	1,656.70	3/4	1,999.16	3/4	2,341.62	3/4	2,684.06	3/4	3,026.49
2	20.47	2	303.78	2	639.10	2	979.63	2	1,321.38	2	1,663.84	2	2,006.29	2	2,348.75	2	2,691.19	2	3,033.62
1/4	24.32	1/4	310.41	1/4	646.24	1/4	986.71	1/4	1,328.52	1/4	1,670.97	1/4	2,013.43	1/4	2,355.88	1/4	2,698.33	1/4	3,040.75
1/2	28.17	1/2	317.05	1/2	653.37	1/2	993.78	1/2	1,335.65	1/2	1,678.11	1/2	2,020.56	1/2	2,363.02	1/2	2,705.46	1/2	3,047.88
3/4	32.02	3/4	323.68	3/4	660.50	3/4	1,000.85	3/4	1,342.79	3/4	1,685.24	3/4	2,027.70	3/4	2,370.15	3/4	2,712.60	3/4	3,055.01
3	35.87	3	330.32	3	667.64	3	1,007.93	3	1,349.92	3	1,692.38	3	2,034.83	3	2,377.29	3	2,719.73	3	3,062.15
1/4	41.12	1/4	337.04	1/4	674.77	1/4	1,015.01	1/4	1,357.05	1/4	1,699.51	1/4	2,041.97	1/4	2,384.42	1/4	2,726.86	1/4	3,069.28
1/2	46.37	1/2	343.75	1/2	681.91	1/2	1,022.09	1/2	1,364.19	1/2	1,706.64	1/2	2,049.10	1/2	2,391.56	1/2	2,734.00	1/2	3,076.41
3/4	51.62	3/4	350.47	3/4	689.04	3/4	1,029.16	3/4	1,371.32	3/4	1,713.78	3/4	2,056.24	3/4	2,398.69	3/4	2,741.13	3/4	3,083.54
4	56.87	4	357.19	4	696.18	4	1,036.24	4	1,378.46	4	1,720.91	4	2,063.37	4	2,405.83	4	2,748.27	4	3,090.67
1/4	62.65	1/4	363.99	1/4	703.31	1/4	1,043.33	1/4	1,385.59	1/4	1,728.05	1/4	2,070.50	1/4	2,412.96	1/4	2,755.40	1/4	3,097.81
1/2	68.43	1/2	370.79	1/2	710.44	1/2	1,050.43	1/2	1,392.73	1/2	1,735.18	1/2	2,077.64	1/2	2,420.09	1/2	2,762.53	1/2	3,104.94
3/4	74.21	3/4	377.59	3/4	717.58	3/4	1,057.52	3/4	1,399.86	3/4	1,742.32	3/4	2,084.77	3/4	2,427.23	3/4	2,769.67	3/4	3,112.07
5	79.98	5	384.39	5	724.71	5	1,064.61	5	1,407.00	5	1,749.45	5	2,091.91	5	2,434.36	5	2,776.80	5	3,119.20
1/4	85.86	1/4	391.28	1/4	731.83	1/4	1,071.73	1/4	1,414.13	1/4	1,756.59	1/4	2,099.04	1/4	2,441.50	1/4	2,783.94	1/4	3,126.33
1/2	91.74	1/2	398.16	1/2	738.95	1/2	1,078.84	1/2	1,421.26	1/2	1,763.72	1/2	2,106.18	1/2	2,448.63	1/2	2,791.07	1/2	3,133.47
3/4	97.62	3/4	405.04	3/4	746.06	3/4	1,085.96	3/4	1,428.40	3/4	1,770.86	3/4	2,113.31	3/4	2,455.77	3/4	2,798.20	3/4	3,140.60
6	103.50	6	411.93	6	753.18	6	1,093.08	6	1,435.53	6	1,777.99	6	2,120.45	6	2,462.90	6	2,805.34	6	3,147.73
1/4	109.46	1/4	418.89	1/4	760.27	1/4	1,100.21	1/4	1,442.67	1/4	1,785.12	1/4	2,127.58	1/4	2,470.04	1/4	2,812.47	1/4	3,154.86
1/2	115.43	1/2	425.86	1/2	767.36	1/2	1,107.35	1/2	1,449.80	1/2	1,792.26	1/2	2,134.71	1/2	2,477.17	1/2	2,819.61	1/2	3,162.00
3/4	121.40	3/4	432.82	3/4	774.45	3/4	1,114.48	3/4	1,456.94	3/4	1,799.39	3/4	2,141.85	3/4	2,484.31	3/4	2,826.74	3/4	3,169.13
7	127.36	7	439.79	7	781.54	7	1,121.62	7	1,464.07	7	1,806.53	7	2,148.98	7	2,491.44	7	2,833.87	7	3,176.26
1/4	133.41	1/4	446.83	1/4	788.62	1/4	1,128.75	1/4	1,471.21	1/4	1,813.66	1/4	2,156.12	1/4	2,498.57	1/4	2,841.01	1/4	3,183.39
1/2	139.46	1/2	453.88	1/2	795.70	1/2	1,135.88	1/2	1,478.34	1/2	1,820.80	1/2	2,163.25	1/2	2,505.71	1/2	2,848.14	1/2	3,190.52
3/4	145.51	3/4	460.93	3/4	802.78	3/4	1,143.02	3/4	1,485.48	3/4	1,827.93	3/4	2,170.39	3/4	2,512.84	3/4	2,855.28	3/4	3,197.66
8	151.56	8	467.97	8	809.86	8	1,150.15	8	1,492.61	8	1,835.07	8	2,177.52	8	2,519.98	8	2,862.41	8	3,204.79
1/4	157.70	1/4	475.08	1/4	816.93	1/4	1,157.29	1/4	1,499.74	1/4	1,842.20	1/4	2,184.66	1/4	2,527.11	1/4	2,869.54	1/4	3,211.92
1/2	163.83	1/2	482.19	1/2	824.00	1/2	1,164.42	1/2	1,506.88	1/2	1,849.33	1/2	2,191.79	1/2	2,534.25	1/2	2,876.68	1/2	3,219.05
3/4	169.97	3/4	489.30	3/4	831.08	3/4	1,171.56	3/4	1,514.01	3/4	1,856.47	3/4	2,198.93	3/4	2,541.38	3/4	2,883.81	3/4	3,226.18
9	176.10	9	496.41	9	838.15	9	1,178.69	9	1,521.15	9	1,863.60	9	2,206.06	9	2,548.52	9	2,890.95	9	3,233.32
1/4	182.32	1/4	503.55	1/4	845.23	1/4	1,185.83	1/4	1,528.28	1/4	1,870.74	1/4	2,213.19	1/4	2,555.65	1/4	2,898.08	1/4	3,240.45
1/2	188.53	1/2	510.68	1/2	852.30	1/2	1,192.96	1/2	1,535.42	1/2	1,877.87	1/2	2,220.33	1/2	2,562.78	1/2	2,905.21	1/2	3,247.58
3/4	194.75	3/4	517.82	3/4	859.37	3/4	1,200.10	3/4	1,542.55	3/4	1,885.01	3/4	2,227.46	3/4	2,569.92	3/4	2,912.35	3/4	3,254.71
10	200.97	10	524.95	10	866.45	10	1,207.23	10	1,549.69	10	1,892.14	10	2,234.60	10	2,577.05	10	2,919.48	10	3,261.84
1/4	207.27	1/4	532.09	1/4	873.52	1/4	1,214.36	1/4	1,556.82	1/4	1,899.28	1/4	2,241.73	1/4	2,584.19	1/4	2,926.62	1/4	3,268.98
1/2	213.57	1/2	539.22	1/2	880.60	1/2	1,221.50	1/2	1,563.95	1/2	1,906.41	1/2	2,248.87	1/2	2,591.32	1/2	2,933.75	1/2	3,276.11
3/4	219.87	3/4	546.35	3/4	887.67	3/4	1,228.63	3/4	1,571.09	3/4	1,913.55	3/4	2,256.00	3/4	2,598.46	3/4	2,940.88	3/4	3,283.24
11	226.17	11	553.49	11	894.74	11	1,235.77	11	1,578.22	11	1,920.68	11	2,263.14	11	2,605.59	11	2,948.02	11	3,290.37
1/4	232.56	1/4	560.62	1/4	901.82	1/4	1,242.90	1/4	1,585.36	1/4	1,927.81	1/4	2,270.27	1/4	2,612.72	1/4	2,955.15	1/4	3,297.51
1/2	238.94	1/2	567.76	1/2	908.89	1/2	1,250.04	1/2	1,592.49	1/2	1,934.95	1/2	2,277.40	1/2	2,619.86	1/2	2,962.29	1/2	3,304.64
3/4	245.32	3/4	574.89	3/4	915.97	3/4	1,257.17	3/4	1,599.63	3/4	1,942.08	3/4	2,284.54	3/4	2,626.99	3/4	2,969.42	3/4	3,311.77

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.

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**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**1 PORT**  
**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	3,318.90	0	3,661.25	0	4,003.69	0	4,345.66	0	4,686.54	0	5,007.29	0		0		0		0	
1/4	3,326.03	1/4	3,668.38	1/4	4,010.82	1/4	4,352.77	1/4	4,693.64	1/4	5,010.48	1/4		1/4	1/4		1/4		1/4
1/2	3,333.17	1/2	3,675.52	1/2	4,017.96	1/2	4,359.87	1/2	4,700.74	1/2	5,013.68	1/2		1/2	1/2		1/2		1/2
3/4	3,340.30	3/4	3,682.65	3/4	4,025.09	3/4	4,366.97	3/4	4,707.84	3/4	5,016.87	3/4		3/4	3/4		3/4		3/4
1	3,347.43	1	3,689.79	1	4,032.22	1	4,374.07	1	4,714.94	1	5,020.06	1		1		1		1	
1/4	3,354.56	1/4	3,696.92	1/4	4,039.36	1/4	4,381.17	1/4	4,722.04	1/4	5,022.06	1/4		1/4	1/4		1/4		1/4
1/2	3,361.69	1/2	3,704.05	1/2	4,046.49	1/2	4,388.27	1/2	4,729.14	1/2	5,024.07	1/2		1/2	1/2		1/2		1/2
3/4	3,368.83	3/4	3,711.19	3/4	4,053.63	3/4	4,395.37	3/4	4,736.25	3/4	5,026.07	3/4		3/4	3/4		3/4		3/4
2	3,375.96	2	3,718.32	2	4,060.76	2	4,402.48	2	4,743.35	2	5,028.07	2		2		2		2	
1/4	3,383.09	1/4	3,725.46	1/4	4,067.89	1/4	4,409.58	1/4	4,750.45	1/4	5,029.00	1/4		1/4	1/4		1/4		1/4
1/2	3,390.22	1/2	3,732.59	1/2	4,075.03	1/2	4,416.68	1/2	4,757.55	1/2	5,029.93	1/2		1/2	1/2		1/2		1/2
3/4	3,397.35	3/4	3,739.73	3/4	4,082.16	3/4	4,423.78	3/4	4,764.65	3/4	5,030.85	3/4		3/4	3/4		3/4		3/4
3	3,404.49	3	3,746.86	3	4,089.30	3	4,430.88	3	4,771.75	3	5,031.78	3		3		3		3	
1/4	3,411.62	1/4	3,753.99	1/4	4,096.43	1/4	4,437.98	1/4	4,778.86	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,418.75	1/2	3,761.13	1/2	4,103.56	1/2	4,445.08	1/2	4,785.96	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,425.88	3/4	3,768.26	3/4	4,110.70	3/4	4,452.19	3/4	4,793.06	3/4		3/4		3/4	3/4		3/4		3/4
4	3,433.02	4	3,775.40	4	4,117.83	4	4,459.29	4	4,800.16	4		4		4		4		4	
1/4	3,440.15	1/4	3,782.53	1/4	4,124.97	1/4	4,466.39	1/4	4,807.24	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,447.28	1/2	3,789.66	1/2	4,132.10	1/2	4,473.49	1/2	4,814.32	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,454.41	3/4	3,796.80	3/4	4,139.24	3/4	4,480.59	3/4	4,821.39	3/4		3/4		3/4	3/4		3/4		3/4
5	3,461.54	5	3,803.93	5	4,146.37	5	4,487.69	5	4,828.47	5		5		5		5		5	
1/4	3,468.68	1/4	3,811.07	1/4	4,153.50	1/4	4,494.80	1/4	4,835.53	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,475.81	1/2	3,818.20	1/2	4,160.64	1/2	4,501.90	1/2	4,842.58	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,482.94	3/4	3,825.33	3/4	4,167.77	3/4	4,509.00	3/4	4,849.64	3/4		3/4		3/4	3/4		3/4		3/4
6	3,490.07	6	3,832.47	6	4,174.91	6	4,516.10	6	4,856.70	6		6		6		6		6	
1/4	3,497.20	1/4	3,839.60	1/4	4,182.04	1/4	4,523.20	1/4	4,863.75	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,504.34	1/2	3,846.74	1/2	4,189.17	1/2	4,530.30	1/2	4,870.81	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,511.47	3/4	3,853.87	3/4	4,196.31	3/4	4,537.40	3/4	4,877.87	3/4		3/4		3/4	3/4		3/4		3/4
7	3,518.60	7	3,861.01	7	4,203.44	7	4,544.51	7	4,884.92	7		7		7		7		7	
1/4	3,525.73	1/4	3,868.14	1/4	4,210.58	1/4	4,551.61	1/4	4,891.97	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,532.86	1/2	3,875.27	1/2	4,217.71	1/2	4,558.71	1/2	4,899.02	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,540.00	3/4	3,882.41	3/4	4,224.84	3/4	4,565.81	3/4	4,906.07	3/4		3/4		3/4	3/4		3/4		3/4
8	3,547.13	8	3,889.54	8	4,231.98	8	4,572.91	8	4,913.12	8		8		8		8		8	
1/4	3,554.26	1/4	3,896.68	1/4	4,239.10	1/4	4,580.01	1/4	4,920.14	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,561.39	1/2	3,903.81	1/2	4,246.21	1/2	4,587.11	1/2	4,927.15	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,568.53	3/4	3,910.94	3/4	4,253.33	3/4	4,594.22	3/4	4,934.17	3/4		3/4		3/4	3/4		3/4		3/4
9	3,575.66	9	3,918.08	9	4,260.45	9	4,601.32	9	4,941.18	9		9		9		9		9	
1/4	3,582.79	1/4	3,925.21	1/4	4,267.55	1/4	4,608.42	1/4	4,947.76	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,589.92	1/2	3,932.35	1/2	4,274.65	1/2	4,615.52	1/2	4,954.33	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,597.05	3/4	3,939.48	3/4	4,281.75	3/4	4,622.62	3/4	4,960.91	3/4		3/4		3/4	3/4		3/4		3/4
10	3,604.19	10	3,946.61	10	4,288.85	10	4,629.72	10	4,967.49	10		10		10		10		10	
1/4	3,611.32	1/4	3,953.75	1/4	4,295.95	1/4	4,636.83	1/4	4,973.06	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,618.45	1/2	3,960.88	1/2	4,303.05	1/2	4,643.93	1/2	4,978.63	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,625.58	3/4	3,968.02	3/4	4,310.16	3/4	4,651.03	3/4	4,984.20	3/4		3/4		3/4	3/4		3/4		3/4
11	3,632.71	11	3,975.15	11	4,317.26	11	4,658.13	11	4,989.77	11		11		11		11		11	
1/4	3,639.85	1/4	3,982.28	1/4	4,324.36	1/4	4,665.23	1/4	4,994.15	1/4		1/4		1/4	1/4		1/4		1/4
1/2	3,646.98	1/2	3,989.42	1/2	4,331.46	1/2	4,672.33	1/2	4,998.53	1/2		1/2		1/2	1/2		1/2		1/2
3/4	3,654.12	3/4	3,996.55	3/4	4,338.56	3/4	4,679.43	3/4	5,002.91	3/4		3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**1 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	252.14	0	583.11	0	926.03	0	1,269.00	0	1,612.10	0	1,955.20	0	2,298.30	0	2,641.39	0	2,984.47
1/4	3.94	1/4	258.62	1/4	590.26	1/4	933.17	1/4	1,276.15	1/4	1,619.25	1/4	1,962.35	1/4	2,305.45	1/4	2,648.54	1/4	2,991.61
1/2	5.73	1/2	265.10	1/2	597.40	1/2	940.31	1/2	1,283.30	1/2	1,626.40	1/2	1,969.50	1/2	2,312.60	1/2	2,655.68	1/2	2,998.76
3/4	7.51	3/4	271.58	3/4	604.55	3/4	947.45	3/4	1,290.45	3/4	1,633.55	3/4	1,976.65	3/4	2,319.75	3/4	2,662.83	3/4	3,005.91
1	9.30	1	278.06	1	611.70	1	954.59	1	1,297.60	1	1,640.70	1	1,983.79	1	2,326.89	1	2,669.98	1	3,013.05
1/4	12.10	1/4	284.62	1/4	618.85	1/4	961.73	1/4	1,304.74	1/4	1,647.84	1/4	1,990.94	1/4	2,334.04	1/4	2,677.13	1/4	3,020.20
1/2	14.90	1/2	291.18	1/2	626.00	1/2	968.87	1/2	1,311.89	1/2	1,654.99	1/2	1,998.09	1/2	2,341.19	1/2	2,684.27	1/2	3,027.34
3/4	17.70	3/4	297.74	3/4	633.14	3/4	976.01	3/4	1,319.04	3/4	1,662.14	3/4	2,005.24	3/4	2,348.34	3/4	2,691.42	3/4	3,034.49
2	20.50	2	304.31	2	640.29	2	983.15	2	1,326.19	2	1,669.29	2	2,012.39	2	2,355.49	2	2,698.57	2	3,041.63
1/4	24.36	1/4	310.95	1/4	647.44	1/4	990.28	1/4	1,333.34	1/4	1,676.44	1/4	2,019.53	1/4	2,362.63	1/4	2,705.72	1/4	3,048.78
1/2	28.21	1/2	317.60	1/2	654.59	1/2	997.42	1/2	1,340.48	1/2	1,683.58	1/2	2,026.68	1/2	2,369.78	1/2	2,712.86	1/2	3,055.93
3/4	32.07	3/4	324.25	3/4	661.73	3/4	1,004.56	3/4	1,347.63	3/4	1,690.73	3/4	2,033.83	3/4	2,376.93	3/4	2,720.01	3/4	3,063.07
3	35.92	3	330.89	3	668.88	3	1,011.70	3	1,354.78	3	1,697.88	3	2,040.98	3	2,384.08	3	2,727.16	3	3,070.22
1/4	41.19	1/4	337.62	1/4	676.03	1/4	1,018.84	1/4	1,361.93	1/4	1,705.03	1/4	2,048.13	1/4	2,391.23	1/4	2,734.31	1/4	3,077.36
1/2	46.45	1/2	344.35	1/2	683.18	1/2	1,025.99	1/2	1,369.08	1/2	1,712.17	1/2	2,055.27	1/2	2,398.37	1/2	2,741.45	1/2	3,084.51
3/4	51.71	3/4	351.08	3/4	690.32	3/4	1,033.13	3/4	1,376.22	3/4	1,719.32	3/4	2,062.42	3/4	2,405.52	3/4	2,748.60	3/4	3,091.65
4	56.97	4	357.81	4	697.47	4	1,040.27	4	1,383.37	4	1,726.47	4	2,069.57	4	2,412.67	4	2,755.75	4	3,098.80
1/4	62.76	1/4	364.62	1/4	704.62	1/4	1,047.42	1/4	1,390.52	1/4	1,733.62	1/4	2,076.72	1/4	2,419.82	1/4	2,762.90	1/4	3,105.94
1/2	68.54	1/2	371.44	1/2	711.77	1/2	1,054.57	1/2	1,397.67	1/2	1,740.77	1/2	2,083.87	1/2	2,426.96	1/2	2,770.04	1/2	3,113.09
3/4	74.33	3/4	378.25	3/4	718.92	3/4	1,061.72	3/4	1,404.82	3/4	1,747.91	3/4	2,091.01	3/4	2,434.11	3/4	2,777.19	3/4	3,120.23
5	80.12	5	385.06	5	726.06	5	1,068.86	5	1,411.96	5	1,755.06	5	2,098.16	5	2,441.26	5	2,784.34	5	3,127.38
1/4	86.01	1/4	391.96	1/4	733.21	1/4	1,076.01	1/4	1,419.11	1/4	1,762.21	1/4	2,105.31	1/4	2,448.41	1/4	2,791.49	1/4	3,134.53
1/2	91.89	1/2	398.86	1/2	740.36	1/2	1,083.16	1/2	1,426.26	1/2	1,769.36	1/2	2,112.46	1/2	2,455.56	1/2	2,798.63	1/2	3,141.67
3/4	97.78	3/4	405.75	3/4	747.51	3/4	1,090.31	3/4	1,433.41	3/4	1,776.51	3/4	2,119.60	3/4	2,462.70	3/4	2,805.78	3/4	3,148.82
6	103.67	6	412.65	6	754.65	6	1,097.46	6	1,440.55	6	1,783.65	6	2,126.75	6	2,469.85	6	2,812.93	6	3,155.96
1/4	109.65	1/4	419.63	1/4	761.80	1/4	1,104.60	1/4	1,447.70	1/4	1,790.80	1/4	2,133.90	1/4	2,477.00	1/4	2,820.08	1/4	3,163.11
1/2	115.62	1/2	426.61	1/2	768.95	1/2	1,111.75	1/2	1,454.85	1/2	1,797.95	1/2	2,141.05	1/2	2,484.15	1/2	2,827.22	1/2	3,170.25
3/4	121.60	3/4	433.59	3/4	776.09	3/4	1,118.90	3/4	1,462.00	3/4	1,805.10	3/4	2,148.20	3/4	2,491.30	3/4	2,834.37	3/4	3,177.40
7	127.58	7	440.57	7	783.24	7	1,126.05	7	1,469.15	7	1,812.25	7	2,155.34	7	2,498.44	7	2,841.52	7	3,184.54
1/4	133.64	1/4	447.64	1/4	790.38	1/4	1,133.19	1/4	1,476.29	1/4	1,819.39	1/4	2,162.49	1/4	2,505.59	1/4	2,848.66	1/4	3,191.69
1/2	139.70	1/2	454.70	1/2	797.53	1/2	1,140.34	1/2	1,483.44	1/2	1,826.54	1/2	2,169.64	1/2	2,512.74	1/2	2,855.81	1/2	3,198.84
3/4	145.76	3/4	461.77	3/4	804.67	3/4	1,147.49	3/4	1,490.59	3/4	1,833.69	3/4	2,176.79	3/4	2,519.89	3/4	2,862.96	3/4	3,205.98
8	151.82	8	468.83	8	811.81	8	1,154.64	8	1,497.74	8	1,840.84	8	2,183.94	8	2,527.04	8	2,870.11	8	3,213.13
1/4	157.97	1/4	475.96	1/4	818.95	1/4	1,161.79	1/4	1,504.89	1/4	1,847.98	1/4	2,191.08	1/4	2,534.18	1/4	2,877.25	1/4	3,220.27
1/2	164.11	1/2	483.08	1/2	826.09	1/2	1,168.93	1/2	1,512.03	1/2	1,855.13	1/2	2,198.23	1/2	2,541.33	1/2	2,884.40	1/2	3,227.42
3/4	170.25	3/4	490.21	3/4	833.23	3/4	1,176.08	3/4	1,519.18	3/4	1,862.28	3/4	2,205.38	3/4	2,548.48	3/4	2,891.55	3/4	3,234.56
9	176.40	9	497.34	9	840.37	9	1,183.23	9	1,526.33	9	1,869.43	9	2,212.53	9	2,555.63	9	2,898.70	9	3,241.71
1/4	182.63	1/4	504.48	1/4	847.51	1/4	1,190.38	1/4	1,533.48	1/4	1,876.58	1/4	2,219.68	1/4	2,562.77	1/4	2,905.84	1/4	3,248.85
1/2	188.86	1/2	511.63	1/2	854.64	1/2	1,197.53	1/2	1,540.63	1/2	1,883.72	1/2	2,226.82	1/2	2,569.92	1/2	2,912.99	1/2	3,256.00
3/4	195.08	3/4	518.78	3/4	861.78	3/4	1,204.67	3/4	1,547.77	3/4	1,890.87	3/4	2,233.97	3/4	2,577.07	3/4	2,920.14	3/4	3,263.14
10	201.31	10	525.93	10	868.92	10	1,211.82	10	1,554.92	10	1,898.02	10	2,241.12	10	2,584.22	10	2,927.29	10	3,270.29
1/4	207.62	1/4	533.08	1/4	876.06	1/4	1,218.97	1/4	1,562.07	1/4	1,905.17	1/4	2,248.27	1/4	2,591.37	1/4	2,934.43	1/4	3,277.44
1/2	213.94	1/2	540.22	1/2	883.20	1/2	1,226.12	1/2	1,569.22	1/2	1,912.32	1/2	2,255.42	1/2	2,598.51	1/2	2,941.58	1/2	3,284.58
3/4	220.25	3/4	547.37	3/4	890.34	3/4	1,233.27	3/4	1,576.36	3/4	1,919.46	3/4	2,262.56	3/4	2,605.66	3/4	2,948.73	3/4	3,291.73
11	226.56	11	554.52	11	897.48	11	1,240.41	11	1,583.51	11	1,926.61	11	2,269.71	11	2,612.81	11	2,955.88	11	3,298.87
1/4	232.96	1/4	561.67	1/4	904.62	1/4	1,247.56	1/4	1,590.66	1/4	1,933.76	1/4	2,276.86	1/4	2,619.96	1/4	2,963.02	1/4	3,306.02
1/2	239.35	1/2	568.81	1/2	911.76	1/2	1,254.71	1/2	1,597.81	1/2	1,940.91	1/2	2,284.01	1/2	2,627.10	1/2	2,970.17	1/2	3,313.16
3/4	245.75	3/4	575.96	3/4	918.89	3/4	1,261.86	3/4	1,604.96	3/4	1,948.06	3/4	2,291.15	3/4	2,634.25	3/4	2,977.32	3/4	3,320.31

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 3314"**  
formerly the  
**BARGE "FMT 3314"**

**1 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	3,327.45	0	3,670.44	0	4,013.52	0	4,356.14	0	4,697.65	0	5,019.00	0		0		0		0	
1/4	3,334.60	1/4	3,677.59	1/4	4,020.67	1/4	4,363.25	1/4	4,704.76	1/4	5,022.20	1/4		1/4		1/4		1/4	
1/2	3,341.75	1/2	3,684.74	1/2	4,027.82	1/2	4,370.37	1/2	4,711.88	1/2	5,025.40	1/2		1/2		1/2		1/2	
3/4	3,348.89	3/4	3,691.89	3/4	4,034.97	3/4	4,377.48	3/4	4,718.99	3/4	5,028.59	3/4		3/4		3/4		3/4	
1	3,356.04	1	3,699.03	1	4,042.11	1	4,384.60	1	4,726.11	1	5,031.79	1		1		1		1	
1/4	3,363.18	1/4	3,706.18	1/4	4,049.26	1/4	4,391.71	1/4	4,733.22	1/4	5,033.80	1/4		1/4		1/4		1/4	
1/2	3,370.33	1/2	3,713.33	1/2	4,056.41	1/2	4,398.83	1/2	4,740.34	1/2	5,035.81	1/2		1/2		1/2		1/2	
3/4	3,377.47	3/4	3,720.48	3/4	4,063.56	3/4	4,405.94	3/4	4,747.45	3/4	5,037.81	3/4		3/4		3/4		3/4	
2	3,384.62	2	3,727.62	2	4,070.70	2	4,413.06	2	4,754.57	2	5,039.82	2		2		2		2	
1/4	3,391.76	1/4	3,734.77	1/4	4,077.85	1/4	4,420.17	1/4	4,761.68	1/4	5,040.75	1/4		1/4		1/4		1/4	
1/2	3,398.91	1/2	3,741.92	1/2	4,085.00	1/2	4,427.29	1/2	4,768.80	1/2	5,041.68	1/2		1/2		1/2		1/2	
3/4	3,406.05	3/4	3,749.07	3/4	4,092.15	3/4	4,434.40	3/4	4,775.91	3/4	5,042.61	3/4		3/4		3/4		3/4	
3	3,413.20	3	3,756.21	3	4,099.29	3	4,441.52	3	4,783.03	3	5,043.54	3		3		3		3	
1/4	3,420.35	1/4	3,763.36	1/4	4,106.44	1/4	4,448.63	1/4	4,790.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,427.49	1/2	3,770.51	1/2	4,113.59	1/2	4,455.75	1/2	4,797.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,434.64	3/4	3,777.66	3/4	4,120.74	3/4	4,462.86	3/4	4,804.37	3/4		3/4		3/4		3/4		3/4	
4	3,441.78	4	3,784.80	4	4,127.88	4	4,469.98	4	4,811.49	4		4		4		4		4	
1/4	3,448.93	1/4	3,791.95	1/4	4,135.03	1/4	4,477.09	1/4	4,818.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.07	1/2	3,799.10	1/2	4,142.18	1/2	4,484.21	1/2	4,825.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.22	3/4	3,806.25	3/4	4,149.33	3/4	4,491.32	3/4	4,832.76	3/4		3/4		3/4		3/4		3/4	
5	3,470.36	5	3,813.39	5	4,156.47	5	4,498.43	5	4,839.85	5		5		5		5		5	
1/4	3,477.51	1/4	3,820.54	1/4	4,163.62	1/4	4,505.55	1/4	4,846.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,484.66	1/2	3,827.69	1/2	4,170.77	1/2	4,512.66	1/2	4,853.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,491.80	3/4	3,834.84	3/4	4,177.92	3/4	4,519.78	3/4	4,861.06	3/4		3/4		3/4		3/4		3/4	
6	3,498.95	6	3,841.98	6	4,185.06	6	4,526.89	6	4,868.13	6		6		6		6		6	
1/4	3,506.09	1/4	3,849.13	1/4	4,192.21	1/4	4,534.01	1/4	4,875.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,513.24	1/2	3,856.28	1/2	4,199.36	1/2	4,541.12	1/2	4,882.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,520.38	3/4	3,863.43	3/4	4,206.51	3/4	4,548.24	3/4	4,889.34	3/4		3/4		3/4		3/4		3/4	
7	3,527.53	7	3,870.57	7	4,213.65	7	4,555.35	7	4,896.41	7		7		7		7		7	
1/4	3,534.67	1/4	3,877.72	1/4	4,220.80	1/4	4,562.47	1/4	4,903.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,541.82	1/2	3,884.87	1/2	4,227.95	1/2	4,569.58	1/2	4,910.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.96	3/4	3,892.02	3/4	4,235.10	3/4	4,576.70	3/4	4,917.59	3/4		3/4		3/4		3/4		3/4	
8	3,556.11	8	3,899.16	8	4,242.24	8	4,583.81	8	4,924.65	8		8		8		8		8	
1/4	3,563.26	1/4	3,906.31	1/4	4,249.37	1/4	4,590.93	1/4	4,931.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.40	1/2	3,913.46	1/2	4,256.50	1/2	4,598.04	1/2	4,938.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.55	3/4	3,920.61	3/4	4,263.63	3/4	4,605.16	3/4	4,945.74	3/4		3/4		3/4		3/4		3/4	
9	3,584.69	9	3,927.75	9	4,270.76	9	4,612.27	9	4,952.77	9		9		9		9		9	
1/4	3,591.84	1/4	3,934.90	1/4	4,277.88	1/4	4,619.39	1/4	4,959.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.98	1/2	3,942.05	1/2	4,284.99	1/2	4,626.50	1/2	4,965.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.13	3/4	3,949.20	3/4	4,292.11	3/4	4,633.62	3/4	4,972.53	3/4		3/4		3/4		3/4		3/4	
10	3,613.27	10	3,956.34	10	4,299.22	10	4,640.73	10	4,979.12	10		10		10		10		10	
1/4	3,620.42	1/4	3,963.49	1/4	4,306.34	1/4	4,647.85	1/4	4,984.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,627.56	1/2	3,970.64	1/2	4,313.45	1/2	4,654.96	1/2	4,990.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.71	3/4	3,977.79	3/4	4,320.56	3/4	4,662.08	3/4	4,995.86	3/4		3/4		3/4		3/4		3/4	
11	3,641.85	11	3,984.93	11	4,327.68	11	4,669.19	11	5,001.44	11		11		11		11		11	
1/4	3,649.00	1/4	3,992.08	1/4	4,334.79	1/4	4,676.30	1/4	5,005.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,656.15	1/2	3,999.23	1/2	4,341.91	1/2	4,683.42	1/2	5,010.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.30	3/4	4,006.38	3/4	4,349.02	3/4	4,690.53	3/4	5,014.61	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

## 2 PORT 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	300.43	0	643.58	0	978.88	0	1,315.41	0	1,658.58	0	2,001.75	0	2,344.91	0	2,688.08	0	3,031.25
1/4	3.94	1/4	307.58	1/4	650.73	1/4	985.72	1/4	1,322.56	1/4	1,665.73	1/4	2,008.90	1/4	2,352.06	1/4	2,695.23	1/4	3,038.40
1/2	5.73	1/2	314.73	1/2	657.88	1/2	992.56	1/2	1,329.71	1/2	1,672.88	1/2	2,016.05	1/2	2,359.21	1/2	2,702.38	1/2	3,045.54
3/4	7.51	3/4	321.88	3/4	665.03	3/4	999.40	3/4	1,336.86	3/4	1,680.03	3/4	2,023.20	3/4	2,366.36	3/4	2,709.53	3/4	3,052.69
1	9.30	1	329.02	1	672.18	1	1,006.25	1	1,344.01	1	1,687.18	1	2,030.34	1	2,373.51	1	2,716.68	1	3,059.84
1/4	12.88	1/4	336.17	1/4	679.33	1/4	1,013.09	1/4	1,351.16	1/4	1,694.33	1/4	2,037.49	1/4	2,380.66	1/4	2,723.83	1/4	3,066.99
1/2	16.45	1/2	343.32	1/2	686.48	1/2	1,019.93	1/2	1,358.31	1/2	1,701.48	1/2	2,044.64	1/2	2,387.81	1/2	2,730.98	1/2	3,074.13
3/4	20.02	3/4	350.47	3/4	693.63	3/4	1,026.77	3/4	1,365.46	3/4	1,708.63	3/4	2,051.79	3/4	2,394.96	3/4	2,738.13	3/4	3,081.28
2	23.60	2	357.62	2	700.78	2	1,033.61	2	1,372.61	2	1,715.78	2	2,058.94	2	2,402.11	2	2,745.27	2	3,088.43
1/4	28.96	1/4	364.77	1/4	707.93	1/4	1,040.46	1/4	1,379.76	1/4	1,722.92	1/4	2,066.09	1/4	2,409.26	1/4	2,752.42	1/4	3,095.58
1/2	34.32	1/2	371.92	1/2	715.08	1/2	1,047.30	1/2	1,386.91	1/2	1,730.07	1/2	2,073.24	1/2	2,416.41	1/2	2,759.57	1/2	3,102.72
3/4	39.68	3/4	379.07	3/4	722.22	3/4	1,054.14	3/4	1,394.06	3/4	1,737.22	3/4	2,080.39	3/4	2,423.56	3/4	2,766.72	3/4	3,109.87
3	45.04	3	386.22	3	729.37	3	1,060.98	3	1,401.21	3	1,744.37	3	2,087.54	3	2,430.71	3	2,773.87	3	3,117.02
1/4	51.73	1/4	393.37	1/4	736.52	1/4	1,067.83	1/4	1,408.36	1/4	1,751.52	1/4	2,094.69	1/4	2,437.85	1/4	2,781.02	1/4	3,124.17
1/2	58.41	1/2	400.52	1/2	743.67	1/2	1,074.67	1/2	1,415.51	1/2	1,758.67	1/2	2,101.84	1/2	2,445.00	1/2	2,788.17	1/2	3,131.31
3/4	65.09	3/4	407.66	3/4	750.82	3/4	1,081.52	3/4	1,422.65	3/4	1,765.82	3/4	2,108.99	3/4	2,452.15	3/4	2,795.32	3/4	3,138.46
4	71.78	4	414.81	4	757.97	4	1,088.37	4	1,429.80	4	1,772.97	4	2,116.14	4	2,459.30	4	2,802.47	4	3,145.61
1/4	78.90	1/4	421.96	1/4	765.12	1/4	1,095.22	1/4	1,436.95	1/4	1,780.12	1/4	2,123.29	1/4	2,466.45	1/4	2,809.62	1/4	3,152.75
1/2	86.03	1/2	429.11	1/2	772.27	1/2	1,102.08	1/2	1,444.10	1/2	1,787.27	1/2	2,130.44	1/2	2,473.60	1/2	2,816.77	1/2	3,159.90
3/4	93.15	3/4	436.26	3/4	779.42	3/4	1,108.94	3/4	1,451.25	3/4	1,794.42	3/4	2,137.58	3/4	2,480.75	3/4	2,823.92	3/4	3,167.05
5	100.28	5	443.41	5	786.57	5	1,115.80	5	1,458.40	5	1,801.57	5	2,144.73	5	2,487.90	5	2,831.07	5	3,174.20
1/4	107.42	1/4	450.56	1/4	793.57	1/4	1,122.81	1/4	1,465.55	1/4	1,808.72	1/4	2,151.88	1/4	2,495.05	1/4	2,838.22	1/4	3,181.34
1/2	114.57	1/2	457.71	1/2	800.58	1/2	1,129.82	1/2	1,472.70	1/2	1,815.87	1/2	2,159.03	1/2	2,502.20	1/2	2,845.37	1/2	3,188.49
3/4	121.71	3/4	464.86	3/4	807.59	3/4	1,136.82	3/4	1,479.85	3/4	1,823.02	3/4	2,166.18	3/4	2,509.35	3/4	2,852.51	3/4	3,195.64
6	128.85	6	472.01	6	814.60	6	1,143.83	6	1,487.00	6	1,830.16	6	2,173.33	6	2,516.50	6	2,859.66	6	3,202.79
1/4	136.00	1/4	479.16	1/4	821.45	1/4	1,150.98	1/4	1,494.15	1/4	1,837.31	1/4	2,180.48	1/4	2,523.65	1/4	2,866.81	1/4	3,209.93
1/2	143.15	1/2	486.30	1/2	828.31	1/2	1,158.13	1/2	1,501.30	1/2	1,844.46	1/2	2,187.63	1/2	2,530.80	1/2	2,873.96	1/2	3,217.08
3/4	150.30	3/4	493.45	3/4	835.17	3/4	1,165.28	3/4	1,508.45	3/4	1,851.61	3/4	2,194.78	3/4	2,537.95	3/4	2,881.11	3/4	3,224.23
7	157.45	7	500.60	7	842.03	7	1,172.43	7	1,515.60	7	1,858.76	7	2,201.93	7	2,545.09	7	2,888.26	7	3,231.38
1/4	164.60	1/4	507.75	1/4	848.88	1/4	1,179.58	1/4	1,522.74	1/4	1,865.91	1/4	2,209.08	1/4	2,552.24	1/4	2,895.41	1/4	3,238.52
1/2	171.74	1/2	514.90	1/2	855.72	1/2	1,186.73	1/2	1,529.89	1/2	1,873.06	1/2	2,216.23	1/2	2,559.39	1/2	2,902.56	1/2	3,245.67
3/4	178.89	3/4	522.05	3/4	862.57	3/4	1,193.88	3/4	1,537.04	3/4	1,880.21	3/4	2,223.38	3/4	2,566.54	3/4	2,909.71	3/4	3,252.82
8	186.04	8	529.20	8	869.41	8	1,201.03	8	1,544.19	8	1,887.36	8	2,230.53	8	2,573.69	8	2,916.86	8	3,259.96
1/4	193.19	1/4	536.35	1/4	876.25	1/4	1,208.18	1/4	1,551.34	1/4	1,894.51	1/4	2,237.67	1/4	2,580.84	1/4	2,924.01	1/4	3,267.11
1/2	200.34	1/2	543.50	1/2	883.10	1/2	1,215.32	1/2	1,558.49	1/2	1,901.66	1/2	2,244.82	1/2	2,587.99	1/2	2,931.16	1/2	3,274.26
3/4	207.49	3/4	550.65	3/4	889.94	3/4	1,222.47	3/4	1,565.64	3/4	1,908.81	3/4	2,251.97	3/4	2,595.14	3/4	2,938.31	3/4	3,281.41
9	214.64	9	557.80	9	896.78	9	1,229.62	9	1,572.79	9	1,915.96	9	2,259.12	9	2,602.29	9	2,945.46	9	3,288.55
1/4	221.79	1/4	564.94	1/4	903.62	1/4	1,236.77	1/4	1,579.94	1/4	1,923.11	1/4	2,266.27	1/4	2,609.44	1/4	2,952.60	1/4	3,295.70
1/2	228.94	1/2	572.09	1/2	910.46	1/2	1,243.92	1/2	1,587.09	1/2	1,930.25	1/2	2,273.42	1/2	2,616.59	1/2	2,959.75	1/2	3,302.85
3/4	236.09	3/4	579.24	3/4	917.30	3/4	1,251.07	3/4	1,594.24	3/4	1,937.40	3/4	2,280.57	3/4	2,623.74	3/4	2,966.90	3/4	3,310.00
10	243.24	10	586.39	10	924.14	10	1,258.22	10	1,601.39	10	1,944.55	10	2,287.72	10	2,630.89	10	2,974.05	10	3,317.14
1/4	250.38	1/4	593.54	1/4	930.99	1/4	1,265.37	1/4	1,608.54	1/4	1,951.70	1/4	2,294.87	1/4	2,638.04	1/4	2,981.20	1/4	3,324.29
1/2	257.53	1/2	600.69	1/2	937.83	1/2	1,272.52	1/2	1,615.69	1/2	1,958.85	1/2	2,302.02	1/2	2,645.18	1/2	2,988.35	1/2	3,331.44
3/4	264.68	3/4	607.84	3/4	944.67	3/4	1,279.67	3/4	1,622.83	3/4	1,966.00	3/4	2,309.17	3/4	2,652.33	3/4	2,995.50	3/4	3,338.58
11	271.83	11	614.99	11	951.51	11	1,286.82	11	1,629.98	11	1,973.15	11	2,316.32	11	2,659.48	11	3,002.65	11	3,345.73
1/4	278.98	1/4	622.14	1/4	958.35	1/4	1,293.97	1/4	1,637.13	1/4	1,980.30	1/4	2,323.47	1/4	2,666.63	1/4	3,009.80	1/4	3,352.88
1/2	286.13	1/2	629.29	1/2	965.20	1/2	1,301.12	1/2	1,644.28	1/2	1,987.45	1/2	2,330.62	1/2	2,673.78	1/2	3,016.95	1/2	3,360.03
3/4	293.28	3/4	636.44	3/4	972.04	3/4	1,308.27	3/4	1,651.43	3/4	1,994.60	3/4	2,337.76	3/4	2,680.93	3/4	3,024.10	3/4	3,367.17

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

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



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 PORT**  
**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	3,374.32	0	3,717.39	0	4,060.46	0	4,403.08	0	4,744.58	0	5,065.93	0		0		0		0	
1/4	3,381.47	1/4	3,724.54	1/4	4,067.61	1/4	4,410.19	1/4	4,751.70	1/4	5,069.12	1/4		1/4		1/4		1/4	
1/2	3,388.62	1/2	3,731.69	1/2	4,074.76	1/2	4,417.31	1/2	4,758.81	1/2	5,072.32	1/2		1/2		1/2		1/2	
3/4	3,395.76	3/4	3,738.83	3/4	4,081.90	3/4	4,424.42	3/4	4,765.93	3/4	5,075.52	3/4		3/4		3/4		3/4	
1	3,402.91	1	3,745.98	1	4,089.05	1	4,431.53	1	4,773.04	1	5,078.71	1		1		1		1	
1/4	3,410.06	1/4	3,753.13	1/4	4,096.20	1/4	4,438.65	1/4	4,780.16	1/4	5,080.72	1/4		1/4		1/4		1/4	
1/2	3,417.21	1/2	3,760.28	1/2	4,103.35	1/2	4,445.76	1/2	4,787.27	1/2	5,082.73	1/2		1/2		1/2		1/2	
3/4	3,424.35	3/4	3,767.42	3/4	4,110.49	3/4	4,452.88	3/4	4,794.38	3/4	5,084.73	3/4		3/4		3/4		3/4	
2	3,431.50	2	3,774.57	2	4,117.64	2	4,459.99	2	4,801.50	2	5,086.74	2		2		2		2	
1/4	3,438.65	1/4	3,781.72	1/4	4,124.79	1/4	4,467.11	1/4	4,808.61	1/4	5,087.67	1/4		1/4		1/4		1/4	
1/2	3,445.79	1/2	3,788.86	1/2	4,131.94	1/2	4,474.22	1/2	4,815.73	1/2	5,088.59	1/2		1/2		1/2		1/2	
3/4	3,452.94	3/4	3,796.01	3/4	4,139.08	3/4	4,481.34	3/4	4,822.84	3/4	5,089.52	3/4		3/4		3/4		3/4	
3	3,460.09	3	3,803.16	3	4,146.23	3	4,488.45	3	4,829.96	3	5,090.45	3		3		3		3	
1/4	3,467.24	1/4	3,810.31	1/4	4,153.38	1/4	4,495.57	1/4	4,837.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.38	1/2	3,817.45	1/2	4,160.52	1/2	4,502.68	1/2	4,844.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.53	3/4	3,824.60	3/4	4,167.67	3/4	4,509.80	3/4	4,851.30	3/4		3/4		3/4		3/4		3/4	
4	3,488.68	4	3,831.75	4	4,174.82	4	4,516.91	4	4,858.42	4		4		4		4		4	
1/4	3,495.83	1/4	3,838.90	1/4	4,181.97	1/4	4,524.03	1/4	4,865.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.97	1/2	3,846.04	1/2	4,189.11	1/2	4,531.14	1/2	4,872.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.12	3/4	3,853.19	3/4	4,196.26	3/4	4,538.26	3/4	4,879.69	3/4		3/4		3/4		3/4		3/4	
5	3,517.27	5	3,860.34	5	4,203.41	5	4,545.37	5	4,886.78	5		5		5		5		5	
1/4	3,524.41	1/4	3,867.48	1/4	4,210.56	1/4	4,552.48	1/4	4,893.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.56	1/2	3,874.63	1/2	4,217.70	1/2	4,559.60	1/2	4,900.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.71	3/4	3,881.78	3/4	4,224.85	3/4	4,566.71	3/4	4,907.99	3/4		3/4		3/4		3/4		3/4	
6	3,545.86	6	3,888.93	6	4,232.00	6	4,573.83	6	4,915.06	6		6		6		6		6	
1/4	3,553.00	1/4	3,896.07	1/4	4,239.14	1/4	4,580.94	1/4	4,922.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.15	1/2	3,903.22	1/2	4,246.29	1/2	4,588.06	1/2	4,929.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.30	3/4	3,910.37	3/4	4,253.44	3/4	4,595.17	3/4	4,936.27	3/4		3/4		3/4		3/4		3/4	
7	3,574.45	7	3,917.52	7	4,260.59	7	4,602.29	7	4,943.34	7		7		7		7		7	
1/4	3,581.59	1/4	3,924.66	1/4	4,267.73	1/4	4,609.40	1/4	4,950.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.74	1/2	3,931.81	1/2	4,274.88	1/2	4,616.52	1/2	4,957.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.89	3/4	3,938.96	3/4	4,282.03	3/4	4,623.63	3/4	4,964.52	3/4		3/4		3/4		3/4		3/4	
8	3,603.03	8	3,946.11	8	4,289.18	8	4,630.75	8	4,971.58	8		8		8		8		8	
1/4	3,610.18	1/4	3,953.25	1/4	4,296.31	1/4	4,637.86	1/4	4,978.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.33	1/2	3,960.40	1/2	4,303.44	1/2	4,644.98	1/2	4,985.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.48	3/4	3,967.55	3/4	4,310.57	3/4	4,652.09	3/4	4,992.67	3/4		3/4		3/4		3/4		3/4	
9	3,631.62	9	3,974.69	9	4,317.70	9	4,659.21	9	4,999.69	9		9		9		9		9	
1/4	3,638.77	1/4	3,981.84	1/4	4,324.81	1/4	4,666.32	1/4	5,006.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.92	1/2	3,988.99	1/2	4,331.93	1/2	4,673.43	1/2	5,012.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.07	3/4	3,996.14	3/4	4,339.04	3/4	4,680.55	3/4	5,019.46	3/4		3/4		3/4		3/4		3/4	
10	3,660.21	10	4,003.28	10	4,346.16	10	4,687.66	10	5,026.05	10		10		10		10		10	
1/4	3,667.36	1/4	4,010.43	1/4	4,353.27	1/4	4,694.78	1/4	5,031.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.51	1/2	4,017.58	1/2	4,360.39	1/2	4,701.89	1/2	5,037.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.66	3/4	4,024.73	3/4	4,367.50	3/4	4,709.01	3/4	5,042.79	3/4		3/4		3/4		3/4		3/4	
11	3,688.80	11	4,031.87	11	4,374.62	11	4,716.12	11	5,048.37	11		11		11		11		11	
1/4	3,695.95	1/4	4,039.02	1/4	4,381.73	1/4	4,723.24	1/4	5,052.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.10	1/2	4,046.17	1/2	4,388.85	1/2	4,730.35	1/2	5,057.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.24	3/4	4,053.31	3/4	4,395.96	3/4	4,737.47	3/4	5,061.54	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**2 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	2.16	0	301.09	0	645.01	0	988.66	0	1,332.37	0	1,676.30	0	2,020.23	0	2,364.16	0	2,708.09	0	3,052.02
1/4	3.95	1/4	308.26	1/4	652.17	1/4	995.81	1/4	1,339.53	1/4	1,683.46	1/4	2,027.39	1/4	2,371.32	1/4	2,715.25	1/4	3,059.18
1/2	5.74	1/2	315.42	1/2	659.34	1/2	1,002.96	1/2	1,346.70	1/2	1,690.63	1/2	2,034.56	1/2	2,378.49	1/2	2,722.42	1/2	3,066.34
3/4	7.53	3/4	322.59	3/4	666.50	3/4	1,010.11	3/4	1,353.86	3/4	1,697.79	3/4	2,041.72	3/4	2,385.65	3/4	2,729.58	3/4	3,073.51
1	9.32	1	329.75	1	673.67	1	1,017.26	1	1,361.03	1	1,704.96	1	2,048.89	1	2,392.82	1	2,736.75	1	3,080.67
1/4	12.91	1/4	336.92	1/4	680.83	1/4	1,024.41	1/4	1,368.19	1/4	1,712.12	1/4	2,056.05	1/4	2,399.98	1/4	2,743.91	1/4	3,087.84
1/2	16.49	1/2	344.08	1/2	688.00	1/2	1,031.57	1/2	1,375.36	1/2	1,719.29	1/2	2,063.22	1/2	2,407.15	1/2	2,751.08	1/2	3,095.00
3/4	20.07	3/4	351.25	3/4	695.16	3/4	1,038.72	3/4	1,382.52	3/4	1,726.45	3/4	2,070.38	3/4	2,414.31	3/4	2,758.24	3/4	3,102.16
2	23.65	2	358.41	2	702.33	2	1,045.87	2	1,389.69	2	1,733.62	2	2,077.55	2	2,421.48	2	2,765.41	2	3,109.33
1/4	29.03	1/4	365.58	1/4	709.49	1/4	1,053.02	1/4	1,396.86	1/4	1,740.78	1/4	2,084.71	1/4	2,428.64	1/4	2,772.57	1/4	3,116.49
1/2	34.40	1/2	372.74	1/2	716.66	1/2	1,060.17	1/2	1,404.02	1/2	1,747.95	1/2	2,091.88	1/2	2,435.81	1/2	2,779.74	1/2	3,123.65
3/4	39.77	3/4	379.91	3/4	723.82	3/4	1,067.32	3/4	1,411.19	3/4	1,755.11	3/4	2,099.04	3/4	2,442.97	3/4	2,786.90	3/4	3,130.82
3	45.14	3	387.07	3	730.99	3	1,074.47	3	1,418.35	3	1,762.28	3	2,106.21	3	2,450.14	3	2,794.07	3	3,137.98
1/4	51.84	1/4	394.24	1/4	738.15	1/4	1,081.63	1/4	1,425.52	1/4	1,769.45	1/4	2,113.37	1/4	2,457.30	1/4	2,801.23	1/4	3,145.14
1/2	58.54	1/2	401.40	1/2	745.32	1/2	1,088.78	1/2	1,432.68	1/2	1,776.61	1/2	2,120.54	1/2	2,464.47	1/2	2,808.40	1/2	3,152.30
3/4	65.24	3/4	408.57	3/4	752.48	3/4	1,095.94	3/4	1,439.85	3/4	1,783.78	3/4	2,127.71	3/4	2,471.63	3/4	2,815.56	3/4	3,159.47
4	71.94	4	415.73	4	759.65	4	1,103.09	4	1,447.01	4	1,790.94	4	2,134.87	4	2,478.80	4	2,822.73	4	3,166.63
1/4	79.08	1/4	422.90	1/4	766.81	1/4	1,110.26	1/4	1,454.18	1/4	1,798.11	1/4	2,142.04	1/4	2,485.97	1/4	2,829.89	1/4	3,173.79
1/2	86.22	1/2	430.06	1/2	773.98	1/2	1,117.42	1/2	1,461.34	1/2	1,805.27	1/2	2,149.20	1/2	2,493.13	1/2	2,837.06	1/2	3,180.96
3/4	93.36	3/4	437.23	3/4	781.14	3/4	1,124.58	3/4	1,468.51	3/4	1,812.44	3/4	2,156.37	3/4	2,500.30	3/4	2,844.23	3/4	3,188.12
5	100.50	5	444.39	5	788.31	5	1,131.74	5	1,475.67	5	1,819.60	5	2,163.53	5	2,507.46	5	2,851.39	5	3,195.28
1/4	107.66	1/4	451.56	1/4	795.47	1/4	1,138.91	1/4	1,482.84	1/4	1,826.77	1/4	2,170.70	1/4	2,514.63	1/4	2,858.56	1/4	3,202.45
1/2	114.82	1/2	458.72	1/2	802.64	1/2	1,146.07	1/2	1,490.00	1/2	1,833.93	1/2	2,177.86	1/2	2,521.79	1/2	2,865.72	1/2	3,209.61
3/4	121.98	3/4	465.89	3/4	809.80	3/4	1,153.24	3/4	1,497.17	3/4	1,841.10	3/4	2,185.03	3/4	2,528.96	3/4	2,872.89	3/4	3,216.77
6	129.14	6	473.05	6	816.97	6	1,160.40	6	1,504.33	6	1,848.26	6	2,192.19	6	2,536.12	6	2,880.05	6	3,223.94
1/4	136.30	1/4	480.22	1/4	824.13	1/4	1,167.57	1/4	1,511.50	1/4	1,855.43	1/4	2,199.36	1/4	2,543.29	1/4	2,887.22	1/4	3,231.10
1/2	143.47	1/2	487.38	1/2	831.29	1/2	1,174.73	1/2	1,518.66	1/2	1,862.59	1/2	2,206.52	1/2	2,550.45	1/2	2,894.38	1/2	3,238.26
3/4	150.63	3/4	494.55	3/4	838.46	3/4	1,181.90	3/4	1,525.83	3/4	1,869.76	3/4	2,213.69	3/4	2,557.62	3/4	2,901.55	3/4	3,245.43
7	157.80	7	501.71	7	845.62	7	1,189.06	7	1,532.99	7	1,876.92	7	2,220.85	7	2,564.78	7	2,908.71	7	3,252.59
1/4	164.96	1/4	508.88	1/4	852.78	1/4	1,196.23	1/4	1,540.16	1/4	1,884.09	1/4	2,228.02	1/4	2,571.95	1/4	2,915.88	1/4	3,259.75
1/2	172.13	1/2	516.04	1/2	859.93	1/2	1,203.39	1/2	1,547.32	1/2	1,891.25	1/2	2,235.18	1/2	2,579.11	1/2	2,923.04	1/2	3,266.92
3/4	179.29	3/4	523.21	3/4	867.09	3/4	1,210.56	3/4	1,554.49	3/4	1,898.42	3/4	2,242.35	3/4	2,586.28	3/4	2,930.21	3/4	3,274.08
8	186.46	8	530.37	8	874.24	8	1,217.73	8	1,561.65	8	1,905.58	8	2,249.51	8	2,593.44	8	2,937.37	8	3,281.24
1/4	193.62	1/4	537.54	1/4	881.39	1/4	1,224.89	1/4	1,568.82	1/4	1,912.75	1/4	2,256.68	1/4	2,600.61	1/4	2,944.54	1/4	3,288.41
1/2	200.79	1/2	544.70	1/2	888.54	1/2	1,232.06	1/2	1,575.98	1/2	1,919.91	1/2	2,263.84	1/2	2,607.77	1/2	2,951.70	1/2	3,295.57
3/4	207.95	3/4	551.87	3/4	895.70	3/4	1,239.22	3/4	1,583.15	3/4	1,927.08	3/4	2,271.01	3/4	2,614.94	3/4	2,958.87	3/4	3,302.73
9	215.12	9	559.03	9	902.85	9	1,246.39	9	1,590.32	9	1,934.24	9	2,278.17	9	2,622.10	9	2,966.03	9	3,309.90
1/4	222.28	1/4	566.20	1/4	910.00	1/4	1,253.55	1/4	1,597.48	1/4	1,941.41	1/4	2,285.34	1/4	2,629.27	1/4	2,973.20	1/4	3,317.06
1/2	229.45	1/2	573.36	1/2	917.15	1/2	1,260.72	1/2	1,604.65	1/2	1,948.58	1/2	2,292.50	1/2	2,636.43	1/2	2,980.36	1/2	3,324.22
3/4	236.61	3/4	580.53	3/4	924.30	3/4	1,267.88	3/4	1,611.81	3/4	1,955.74	3/4	2,299.67	3/4	2,643.60	3/4	2,987.53	3/4	3,331.38
10	243.78	10	587.69	10	931.45	10	1,275.05	10	1,618.98	10	1,962.91	10	2,306.84	10	2,650.76	10	2,994.69	10	3,338.55
1/4	250.94	1/4	594.86	1/4	938.60	1/4	1,282.21	1/4	1,626.14	1/4	1,970.07	1/4	2,314.00	1/4	2,657.93	1/4	3,001.86	1/4	3,345.71
1/2	258.11	1/2	602.02	1/2	945.75	1/2	1,289.38	1/2	1,633.31	1/2	1,977.24	1/2	2,321.17	1/2	2,665.10	1/2	3,009.02	1/2	3,352.87
3/4	265.27	3/4	609.19	3/4	952.90	3/4	1,296.54	3/4	1,640.47	3/4	1,984.40	3/4	2,328.33	3/4	2,672.26	3/4	3,016.19	3/4	3,360.04
11	272.44	11	616.35	11	960.05	11	1,303.71	11	1,647.64	11	1,991.57	11	2,335.50	11	2,679.43	11	3,023.36	11	3,367.20
1/4	279.60	1/4	623.52	1/4	967.21	1/4	1,310.87	1/4	1,654.80	1/4	1,998.73	1/4	2,342.66	1/4	2,686.59	1/4	3,030.52	1/4	3,374.36
1/2	286.76	1/2	630.68	1/2	974.36	1/2	1,318.04	1/2	1,661.97	1/2	2,005.90	1/2	2,349.83	1/2	2,693.76	1/2	3,037.69	1/2	3,381.53
3/4	293.93	3/4	637.84	3/4	981.51	3/4	1,325.20	3/4	1,669.13	3/4	2,013.06	3/4	2,356.99	3/4	2,700.92	3/4	3,044.85	3/4	3,388.69

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 3314"

formerly the  
BARGE "FMT 3314"

**2 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	3,395.85	0	3,739.70	0	4,083.63	0	4,427.10	0	4,769.46	0	5,091.61	0		0		0		0	
1/4	3,403.02	1/4	3,746.86	1/4	4,090.79	1/4	4,434.23	1/4	4,776.59	1/4	5,094.82	1/4		1/4		1/4		1/4	
1/2	3,410.18	1/2	3,754.03	1/2	4,097.96	1/2	4,441.37	1/2	4,783.73	1/2	5,098.03	1/2		1/2		1/2		1/2	
3/4	3,417.34	3/4	3,761.19	3/4	4,105.12	3/4	4,448.50	3/4	4,790.86	3/4	5,101.23	3/4		3/4		3/4		3/4	
1	3,424.51	1	3,768.36	1	4,112.29	1	4,455.63	1	4,797.99	1	5,104.44	1		1		1		1	
1/4	3,431.67	1/4	3,775.52	1/4	4,119.45	1/4	4,462.76	1/4	4,805.12	1/4	5,106.45	1/4		1/4		1/4		1/4	
1/2	3,438.83	1/2	3,782.69	1/2	4,126.62	1/2	4,469.90	1/2	4,812.26	1/2	5,108.46	1/2		1/2		1/2		1/2	
3/4	3,446.00	3/4	3,789.85	3/4	4,133.78	3/4	4,477.03	3/4	4,819.39	3/4	5,110.48	3/4		3/4		3/4		3/4	
2	3,453.16	2	3,797.02	2	4,140.95	2	4,484.16	2	4,826.52	2	5,112.49	2		2		2		2	
1/4	3,460.32	1/4	3,804.19	1/4	4,148.11	1/4	4,491.29	1/4	4,833.65	1/4	5,113.42	1/4		1/4		1/4		1/4	
1/2	3,467.49	1/2	3,811.35	1/2	4,155.28	1/2	4,498.43	1/2	4,840.79	1/2	5,114.35	1/2		1/2		1/2		1/2	
3/4	3,474.65	3/4	3,818.52	3/4	4,162.45	3/4	4,505.56	3/4	4,847.92	3/4	5,115.28	3/4		3/4		3/4		3/4	
3	3,481.81	3	3,825.68	3	4,169.61	3	4,512.69	3	4,855.05	3	5,116.21	3		3		3		3	
1/4	3,488.98	1/4	3,832.85	1/4	4,176.78	1/4	4,519.82	1/4	4,862.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,496.14	1/2	3,840.01	1/2	4,183.94	1/2	4,526.96	1/2	4,869.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,503.30	3/4	3,847.18	3/4	4,191.11	3/4	4,534.09	3/4	4,876.45	3/4		3/4		3/4		3/4		3/4	
4	3,510.46	4	3,854.34	4	4,198.27	4	4,541.22	4	4,883.58	4		4		4		4		4	
1/4	3,517.63	1/4	3,861.51	1/4	4,205.44	1/4	4,548.35	1/4	4,890.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,524.79	1/2	3,868.67	1/2	4,212.60	1/2	4,555.49	1/2	4,897.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.95	3/4	3,875.84	3/4	4,219.77	3/4	4,562.62	3/4	4,904.91	3/4		3/4		3/4		3/4		3/4	
5	3,539.12	5	3,883.00	5	4,226.93	5	4,569.75	5	4,912.02	5		5		5		5		5	
1/4	3,546.28	1/4	3,890.17	1/4	4,234.10	1/4	4,576.88	1/4	4,919.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,553.44	1/2	3,897.33	1/2	4,241.26	1/2	4,584.02	1/2	4,926.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,560.61	3/4	3,904.50	3/4	4,248.43	3/4	4,591.15	3/4	4,933.28	3/4		3/4		3/4		3/4		3/4	
6	3,567.77	6	3,911.66	6	4,255.59	6	4,598.28	6	4,940.37	6		6		6		6		6	
1/4	3,574.93	1/4	3,918.83	1/4	4,262.76	1/4	4,605.41	1/4	4,947.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.10	1/2	3,925.99	1/2	4,269.92	1/2	4,612.55	1/2	4,954.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.26	3/4	3,933.16	3/4	4,277.09	3/4	4,619.68	3/4	4,961.63	3/4		3/4		3/4		3/4		3/4	
7	3,596.42	7	3,940.32	7	4,284.25	7	4,626.81	7	4,968.71	7		7		7		7		7	
1/4	3,603.59	1/4	3,947.49	1/4	4,291.42	1/4	4,633.94	1/4	4,975.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.75	1/2	3,954.65	1/2	4,298.58	1/2	4,641.08	1/2	4,982.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.91	3/4	3,961.82	3/4	4,305.75	3/4	4,648.21	3/4	4,989.95	3/4		3/4		3/4		3/4		3/4	
8	3,625.08	8	3,968.98	8	4,312.91	8	4,655.34	8	4,997.03	8		8		8		8		8	
1/4	3,632.24	1/4	3,976.15	1/4	4,320.06	1/4	4,662.47	1/4	5,004.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.40	1/2	3,983.32	1/2	4,327.21	1/2	4,669.61	1/2	5,011.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.57	3/4	3,990.48	3/4	4,334.36	3/4	4,676.74	3/4	5,018.17	3/4		3/4		3/4		3/4		3/4	
9	3,653.73	9	3,997.65	9	4,341.51	9	4,683.87	9	5,025.21	9		9		9		9		9	
1/4	3,660.89	1/4	4,004.81	1/4	4,348.64	1/4	4,691.00	1/4	5,031.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.06	1/2	4,011.98	1/2	4,355.78	1/2	4,698.14	1/2	5,038.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.22	3/4	4,019.14	3/4	4,362.91	3/4	4,705.27	3/4	5,045.03	3/4		3/4		3/4		3/4		3/4	
10	3,682.38	10	4,026.31	10	4,370.04	10	4,712.40	10	5,051.63	10		10		10		10		10	
1/4	3,689.55	1/4	4,033.47	1/4	4,377.17	1/4	4,719.53	1/4	5,057.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,696.71	1/2	4,040.64	1/2	4,384.31	1/2	4,726.67	1/2	5,062.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,703.87	3/4	4,047.80	3/4	4,391.44	3/4	4,733.80	3/4	5,068.42	3/4		3/4		3/4		3/4		3/4	
11	3,711.04	11	4,054.97	11	4,398.57	11	4,740.93	11	5,074.01	11		11		11		11		11	
1/4	3,718.20	1/4	4,062.13	1/4	4,405.70	1/4	4,748.06	1/4	5,078.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,725.37	1/2	4,069.30	1/2	4,412.84	1/2	4,755.20	1/2	5,082.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,732.53	3/4	4,076.46	3/4	4,419.97	3/4	4,762.33	3/4	5,087.21	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

**3 PORT  
INNAGE TABLE**

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2.15	0	299.17	0	640.44	0	973.88	0	1,308.52	0	1,649.62	0	1,990.72	0	2,331.82	0	2,672.88	0	3,014.10
1/4	3.93	1/4	306.29	1/4	647.55	1/4	980.68	1/4	1,315.63	1/4	1,656.73	1/4	1,997.82	1/4	2,338.92	1/4	2,679.99	1/4	3,021.21
1/2	5.71	1/2	313.41	1/2	654.66	1/2	987.47	1/2	1,322.74	1/2	1,663.83	1/2	2,004.93	1/2	2,346.03	1/2	2,687.09	1/2	3,028.32
3/4	7.48	3/4	320.53	3/4	661.77	3/4	994.27	3/4	1,329.84	3/4	1,670.94	3/4	2,012.04	3/4	2,353.14	3/4	2,694.20	3/4	3,035.43
1	9.26	1	327.64	1	668.87	1	1,001.07	1	1,336.95	1	1,678.05	1	2,019.14	1	2,360.24	1	2,701.30	1	3,042.54
1/4	12.82	1/4	334.76	1/4	675.98	1/4	1,007.87	1/4	1,344.05	1/4	1,685.15	1/4	2,026.25	1/4	2,367.35	1/4	2,708.41	1/4	3,049.64
1/2	16.38	1/2	341.88	1/2	683.09	1/2	1,014.66	1/2	1,351.16	1/2	1,692.26	1/2	2,033.36	1/2	2,374.45	1/2	2,715.51	1/2	3,056.74
3/4	19.94	3/4	349.00	3/4	690.20	3/4	1,021.46	3/4	1,358.27	3/4	1,699.36	3/4	2,040.46	3/4	2,381.56	3/4	2,722.62	3/4	3,063.84
2	23.50	2	356.12	2	697.30	2	1,028.26	2	1,365.37	2	1,706.47	2	2,047.57	2	2,388.67	2	2,729.73	2	3,070.94
1/4	28.84	1/4	363.23	1/4	704.41	1/4	1,035.05	1/4	1,372.48	1/4	1,713.58	1/4	2,054.67	1/4	2,395.77	1/4	2,736.83	1/4	3,078.04
1/2	34.18	1/2	370.35	1/2	711.52	1/2	1,041.85	1/2	1,379.59	1/2	1,720.68	1/2	2,061.78	1/2	2,402.88	1/2	2,743.94	1/2	3,085.14
3/4	39.52	3/4	377.46	3/4	718.63	3/4	1,048.65	3/4	1,386.69	3/4	1,727.79	3/4	2,068.89	3/4	2,409.98	3/4	2,751.04	3/4	3,092.25
3	44.86	3	384.57	3	725.73	3	1,055.45	3	1,393.80	3	1,734.90	3	2,075.99	3	2,417.09	3	2,758.15	3	3,099.35
1/4	51.51	1/4	391.68	1/4	732.84	1/4	1,062.25	1/4	1,400.90	1/4	1,742.00	1/4	2,083.10	1/4	2,424.20	1/4	2,765.25	1/4	3,106.44
1/2	58.17	1/2	398.79	1/2	739.95	1/2	1,069.05	1/2	1,408.01	1/2	1,749.11	1/2	2,090.21	1/2	2,431.30	1/2	2,772.36	1/2	3,113.53
3/4	64.82	3/4	405.90	3/4	747.06	3/4	1,075.85	3/4	1,415.12	3/4	1,756.21	3/4	2,097.31	3/4	2,438.41	3/4	2,779.46	3/4	3,120.63
4	71.48	4	413.00	4	754.16	4	1,082.65	4	1,422.22	4	1,763.32	4	2,104.42	4	2,445.52	4	2,786.57	4	3,127.72
1/4	78.57	1/4	420.11	1/4	761.27	1/4	1,089.49	1/4	1,429.33	1/4	1,770.43	1/4	2,111.52	1/4	2,452.62	1/4	2,793.67	1/4	3,134.80
1/2	85.67	1/2	427.22	1/2	768.38	1/2	1,096.33	1/2	1,436.44	1/2	1,777.53	1/2	2,118.63	1/2	2,459.73	1/2	2,800.78	1/2	3,141.89
3/4	92.76	3/4	434.33	3/4	775.49	3/4	1,103.17	3/4	1,443.54	3/4	1,784.64	3/4	2,125.74	3/4	2,466.83	3/4	2,807.88	3/4	3,148.97
5	99.86	5	441.43	5	782.59	5	1,110.01	5	1,450.65	5	1,791.75	5	2,132.84	5	2,473.94	5	2,814.99	5	3,156.05
1/4	106.97	1/4	448.54	1/4	789.58	1/4	1,117.00	1/4	1,457.75	1/4	1,798.85	1/4	2,139.95	1/4	2,481.04	1/4	2,822.09	1/4	3,163.14
1/2	114.09	1/2	455.65	1/2	796.58	1/2	1,123.99	1/2	1,464.86	1/2	1,805.96	1/2	2,147.06	1/2	2,488.15	1/2	2,829.20	1/2	3,170.22
3/4	121.20	3/4	462.76	3/4	803.57	3/4	1,130.98	3/4	1,471.97	3/4	1,813.06	3/4	2,154.16	3/4	2,495.25	3/4	2,836.30	3/4	3,177.30
6	128.31	6	469.86	6	810.56	6	1,137.97	6	1,479.07	6	1,820.17	6	2,161.27	6	2,502.36	6	2,843.41	6	3,184.39
1/4	135.43	1/4	476.97	1/4	817.40	1/4	1,145.08	1/4	1,486.18	1/4	1,827.28	1/4	2,168.37	1/4	2,509.46	1/4	2,850.52	1/4	3,191.47
1/2	142.55	1/2	484.08	1/2	824.24	1/2	1,152.19	1/2	1,493.28	1/2	1,834.38	1/2	2,175.48	1/2	2,516.57	1/2	2,857.62	1/2	3,198.56
3/4	149.67	3/4	491.19	3/4	831.08	3/4	1,159.29	3/4	1,500.39	3/4	1,841.49	3/4	2,182.59	3/4	2,523.67	3/4	2,864.73	3/4	3,205.64
7	156.79	7	498.29	7	837.92	7	1,166.40	7	1,507.50	7	1,848.59	7	2,189.69	7	2,530.78	7	2,871.83	7	3,212.72
1/4	163.91	1/4	505.40	1/4	844.72	1/4	1,173.51	1/4	1,514.60	1/4	1,855.70	1/4	2,196.80	1/4	2,537.88	1/4	2,878.94	1/4	3,219.81
1/2	171.02	1/2	512.51	1/2	851.52	1/2	1,180.61	1/2	1,521.71	1/2	1,862.81	1/2	2,203.90	1/2	2,544.99	1/2	2,886.04	1/2	3,226.89
3/4	178.14	3/4	519.62	3/4	858.32	3/4	1,187.72	3/4	1,528.82	3/4	1,869.91	3/4	2,211.01	3/4	2,552.09	3/4	2,893.15	3/4	3,233.98
8	185.26	8	526.72	8	865.13	8	1,194.82	8	1,535.92	8	1,877.02	8	2,218.12	8	2,559.20	8	2,900.25	8	3,241.06
1/4	192.38	1/4	533.83	1/4	871.92	1/4	1,201.93	1/4	1,543.03	1/4	1,884.13	1/4	2,225.22	1/4	2,566.30	1/4	2,907.36	1/4	3,248.14
1/2	199.50	1/2	540.94	1/2	878.72	1/2	1,209.04	1/2	1,550.13	1/2	1,891.23	1/2	2,232.33	1/2	2,573.41	1/2	2,914.48	1/2	3,255.23
3/4	206.62	3/4	548.05	3/4	885.52	3/4	1,216.14	3/4	1,557.24	3/4	1,898.34	3/4	2,239.44	3/4	2,580.51	3/4	2,921.59	3/4	3,262.31
9	213.74	9	555.15	9	892.31	9	1,223.25	9	1,564.35	9	1,905.44	9	2,246.54	9	2,587.62	9	2,928.70	9	3,269.40
1/4	220.86	1/4	562.26	1/4	899.11	1/4	1,230.36	1/4	1,571.45	1/4	1,912.55	1/4	2,253.65	1/4	2,594.72	1/4	2,935.81	1/4	3,276.48
1/2	227.98	1/2	569.37	1/2	905.91	1/2	1,237.46	1/2	1,578.56	1/2	1,919.66	1/2	2,260.75	1/2	2,601.83	1/2	2,942.93	1/2	3,283.57
3/4	235.10	3/4	576.48	3/4	912.70	3/4	1,244.57	3/4	1,585.67	3/4	1,926.76	3/4	2,267.86	3/4	2,608.94	3/4	2,950.05	3/4	3,290.66
10	242.22	10	583.58	10	919.50	10	1,251.67	10	1,592.77	10	1,933.87	10	2,274.97	10	2,616.04	10	2,957.17	10	3,297.74
1/4	249.33	1/4	590.69	1/4	926.30	1/4	1,258.78	1/4	1,599.88	1/4	1,940.98	1/4	2,282.07	1/4	2,623.15	1/4	2,964.28	1/4	3,304.83
1/2	256.45	1/2	597.80	1/2	933.10	1/2	1,265.89	1/2	1,606.98	1/2	1,948.08	1/2	2,289.18	1/2	2,630.25	1/2	2,971.40	1/2	3,311.91
3/4	263.57	3/4	604.91	3/4	939.89	3/4	1,272.99	3/4	1,614.09	3/4	1,955.19	3/4	2,296.29	3/4	2,637.36	3/4	2,978.52	3/4	3,319.00
11	270.69	11	612.01	11	946.69	11	1,280.10	11	1,621.20	11	1,962.29	11	2,303.39	11	2,644.46	11	2,985.63	11	3,326.08
1/4	277.81	1/4	619.12	1/4	953.49	1/4	1,287.21	1/4	1,628.30	1/4	1,969.40	1/4	2,310.50	1/4	2,651.57	1/4	2,992.75	1/4	3,333.17
1/2	284.93	1/2	626.23	1/2	960.28	1/2	1,294.31	1/2	1,635.41	1/2	1,976.51	1/2	2,317.60	1/2	2,658.67	1/2	2,999.87	1/2	3,337.50
3/4	292.05	3/4	633.34	3/4	967.08	3/4	1,301.42	3/4	1,642.51	3/4	1,983.61	3/4	2,324.71	3/4	2,665.78	3/4	3,006.98	3/4	3,343.20

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 3314"

formerly the  
BARGE "FMT 3314"

## 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	3,348.91	0	3,557.56	0	3,766.99	0	3,976.15	0	4,184.65	0	4,374.91	0		0		0		0	
1/4	3,353.24	1/4	3,561.93	1/4	3,771.35	1/4	3,980.49	1/4	4,189.00	1/4	4,376.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,357.57	1/2	3,566.29	1/2	3,775.71	1/2	3,984.83	1/2	4,193.34	1/2	4,378.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,361.90	3/4	3,570.65	3/4	3,780.08	3/4	3,989.18	3/4	4,197.68	3/4	4,380.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,366.23	1	3,575.02	1	3,784.44	1	3,993.52	1	4,202.03	1	4,381.72	1	1	1	1	1	1	1	1
1/4	3,370.57	1/4	3,579.38	1/4	3,788.80	1/4	3,997.86	1/4	4,206.37	1/4	4,383.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,374.90	1/2	3,583.74	1/2	3,793.17	1/2	4,002.21	1/2	4,210.72	1/2	4,385.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,379.24	3/4	3,588.11	3/4	3,797.53	3/4	4,006.55	3/4	4,215.06	3/4	4,386.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,383.58	2	3,592.47	2	3,801.89	2	4,010.90	2	4,219.40	2	4,388.54	2	2	2	2	2	2	2	2
1/4	3,387.93	1/4	3,596.83	1/4	3,806.26	1/4	4,015.24	1/4	4,223.75	1/4	4,389.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,392.27	1/2	3,601.19	1/2	3,810.62	1/2	4,019.58	1/2	4,228.09	1/2	4,390.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,396.62	3/4	3,605.56	3/4	3,814.98	3/4	4,023.93	3/4	4,232.44	3/4	4,391.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,400.97	3	3,609.92	3	3,819.34	3	4,028.27	3	4,236.78	3	4,392.84	3	3	3	3	3	3	3	3
1/4	3,405.32	1/4	3,614.28	1/4	3,823.71	1/4	4,032.62	1/4	4,241.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,409.66	1/2	3,618.65	1/2	3,828.07	1/2	4,036.96	1/2	4,245.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,414.01	3/4	3,623.01	3/4	3,832.43	3/4	4,041.30	3/4	4,249.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,418.36	4	3,627.37	4	3,836.80	4	4,045.65	4	4,254.15	4		4	4	4	4	4	4	4	4
1/4	3,422.70	1/4	3,631.74	1/4	3,841.16	1/4	4,049.99	1/4	4,258.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,427.05	1/2	3,636.10	1/2	3,845.52	1/2	4,054.34	1/2	4,262.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,431.40	3/4	3,640.46	3/4	3,849.89	3/4	4,058.68	3/4	4,267.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,435.75	5	3,644.82	5	3,854.25	5	4,063.02	5	4,271.48	5		5	5	5	5	5	5	5	5
1/4	3,440.09	1/4	3,649.19	1/4	3,858.61	1/4	4,067.37	1/4	4,275.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,444.44	1/2	3,653.55	1/2	3,862.97	1/2	4,071.71	1/2	4,280.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,448.79	3/4	3,657.91	3/4	3,867.34	3/4	4,076.05	3/4	4,284.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,453.14	6	3,662.28	6	3,871.70	6	4,080.40	6	4,288.75	6		6	6	6	6	6	6	6	6
1/4	3,457.48	1/4	3,666.64	1/4	3,876.06	1/4	4,084.74	1/4	4,293.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,461.83	1/2	3,671.00	1/2	3,880.43	1/2	4,089.09	1/2	4,297.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,466.18	3/4	3,675.37	3/4	3,884.79	3/4	4,093.43	3/4	4,301.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,470.52	7	3,679.73	7	3,889.15	7	4,097.77	7	4,306.00	7		7	7	7	7	7	7	7	7
1/4	3,474.87	1/4	3,684.09	1/4	3,893.52	1/4	4,102.12	1/4	4,310.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,479.22	1/2	3,688.45	1/2	3,897.88	1/2	4,106.46	1/2	4,314.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,483.57	3/4	3,692.82	3/4	3,902.24	3/4	4,110.81	3/4	4,318.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,487.91	8	3,697.18	8	3,906.60	8	4,115.15	8	4,323.24	8		8	8	8	8	8	8	8	8
1/4	3,492.26	1/4	3,701.54	1/4	3,910.96	1/4	4,119.49	1/4	4,327.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,496.61	1/2	3,705.91	1/2	3,915.31	1/2	4,123.84	1/2	4,331.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,500.95	3/4	3,710.27	3/4	3,919.67	3/4	4,128.18	3/4	4,336.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,505.30	9	3,714.63	9	3,924.02	9	4,132.53	9	4,340.34	9		9	9	9	9	9	9	9	9
1/4	3,509.65	1/4	3,719.00	1/4	3,928.36	1/4	4,136.87	1/4	4,344.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,514.00	1/2	3,723.36	1/2	3,932.71	1/2	4,141.21	1/2	4,348.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,518.34	3/4	3,727.72	3/4	3,937.05	3/4	4,145.56	3/4	4,351.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,522.69	10	3,732.08	10	3,941.39	10	4,149.90	10	4,355.68	10		10	10	10	10	10	10	10	10
1/4	3,527.05	1/4	3,736.45	1/4	3,945.74	1/4	4,154.25	1/4	4,358.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,531.40	1/2	3,740.81	1/2	3,950.08	1/2	4,158.59	1/2	4,361.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,535.76	3/4	3,745.17	3/4	3,954.43	3/4	4,162.93	3/4	4,364.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,540.11	11	3,749.54	11	3,958.77	11	4,167.28	11	4,367.02	11		11	11	11	11	11	11	11	11
1/4	3,544.48	1/4	3,753.90	1/4	3,963.11	1/4	4,171.62	1/4	4,368.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,548.84	1/2	3,758.26	1/2	3,967.46	1/2	4,175.96	1/2	4,370.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,553.20	3/4	3,762.63	3/4	3,971.80	3/4	4,180.31	3/4	4,372.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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**BARGE "HSM 3314"**  
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**BARGE "FMT 3314"**

**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	300.31	0	643.33	0	986.08	0	1,328.89	0	1,671.93	0	2,014.96	0	2,357.99	0	2,700.86	0	3,043.02
1/4	3.94	1/4	307.46	1/4	650.48	1/4	993.21	1/4	1,336.04	1/4	1,679.07	1/4	2,022.11	1/4	2,365.14	1/4	2,707.99	1/4	3,050.15
1/2	5.73	1/2	314.60	1/2	657.63	1/2	1,000.35	1/2	1,343.19	1/2	1,686.22	1/2	2,029.25	1/2	2,372.28	1/2	2,715.12	1/2	3,057.27
3/4	7.51	3/4	321.75	3/4	664.77	3/4	1,007.48	3/4	1,350.33	3/4	1,693.37	3/4	2,036.40	3/4	2,379.43	3/4	2,722.24	3/4	3,064.40
1	9.30	1	328.90	1	671.92	1	1,014.61	1	1,357.48	1	1,700.51	1	2,043.54	1	2,386.58	1	2,729.37	1	3,071.53
1/4	12.87	1/4	336.04	1/4	679.07	1/4	1,021.74	1/4	1,364.63	1/4	1,707.66	1/4	2,050.69	1/4	2,393.72	1/4	2,736.50	1/4	3,078.66
1/2	16.45	1/2	343.19	1/2	686.21	1/2	1,028.88	1/2	1,371.77	1/2	1,714.81	1/2	2,057.84	1/2	2,400.87	1/2	2,743.63	1/2	3,085.79
3/4	20.02	3/4	350.34	3/4	693.36	3/4	1,036.01	3/4	1,378.92	3/4	1,721.95	3/4	2,064.98	3/4	2,408.02	3/4	2,750.76	3/4	3,092.92
2	23.59	2	357.48	2	700.50	2	1,043.14	2	1,386.07	2	1,729.10	2	2,072.13	2	2,415.16	2	2,757.89	2	3,100.04
1/4	28.95	1/4	364.63	1/4	707.65	1/4	1,050.27	1/4	1,393.21	1/4	1,736.25	1/4	2,079.28	1/4	2,422.31	1/4	2,765.01	1/4	3,107.17
1/2	34.31	1/2	371.78	1/2	714.80	1/2	1,057.41	1/2	1,400.36	1/2	1,743.39	1/2	2,086.42	1/2	2,429.46	1/2	2,772.14	1/2	3,114.30
3/4	39.67	3/4	378.92	3/4	721.94	3/4	1,064.54	3/4	1,407.51	3/4	1,750.54	3/4	2,093.57	3/4	2,436.60	3/4	2,779.27	3/4	3,121.43
3	45.03	3	386.07	3	729.09	3	1,071.67	3	1,414.65	3	1,757.68	3	2,100.72	3	2,443.75	3	2,786.40	3	3,128.56
1/4	51.71	1/4	393.21	1/4	736.24	1/4	1,078.81	1/4	1,421.80	1/4	1,764.83	1/4	2,107.86	1/4	2,450.90	1/4	2,793.53	1/4	3,135.68
1/2	58.39	1/2	400.36	1/2	743.38	1/2	1,085.95	1/2	1,428.95	1/2	1,771.98	1/2	2,115.01	1/2	2,458.04	1/2	2,800.66	1/2	3,142.80
3/4	65.07	3/4	407.51	3/4	750.53	3/4	1,093.08	3/4	1,436.09	3/4	1,779.12	3/4	2,122.16	3/4	2,465.19	3/4	2,807.78	3/4	3,149.91
4	71.75	4	414.65	4	757.68	4	1,100.22	4	1,443.24	4	1,786.27	4	2,129.30	4	2,472.33	4	2,814.91	4	3,157.03
1/4	78.87	1/4	421.80	1/4	764.82	1/4	1,107.36	1/4	1,450.39	1/4	1,793.42	1/4	2,136.45	1/4	2,479.48	1/4	2,822.04	1/4	3,164.14
1/2	86.00	1/2	428.95	1/2	771.97	1/2	1,114.51	1/2	1,457.53	1/2	1,800.56	1/2	2,143.60	1/2	2,486.63	1/2	2,829.17	1/2	3,171.26
3/4	93.12	3/4	436.09	3/4	779.11	3/4	1,121.65	3/4	1,464.68	3/4	1,807.71	3/4	2,150.74	3/4	2,493.77	3/4	2,836.30	3/4	3,178.37
5	100.24	5	443.24	5	786.26	5	1,128.79	5	1,471.82	5	1,814.86	5	2,157.89	5	2,500.92	5	2,843.43	5	3,185.48
1/4	107.38	1/4	450.38	1/4	793.41	1/4	1,135.94	1/4	1,478.97	1/4	1,822.00	1/4	2,165.04	1/4	2,508.07	1/4	2,850.55	1/4	3,192.59
1/2	114.52	1/2	457.53	1/2	800.55	1/2	1,143.09	1/2	1,486.12	1/2	1,829.15	1/2	2,172.18	1/2	2,515.22	1/2	2,857.68	1/2	3,199.70
3/4	121.66	3/4	464.68	3/4	807.70	3/4	1,150.23	3/4	1,493.26	3/4	1,836.30	3/4	2,179.33	3/4	2,522.37	3/4	2,864.81	3/4	3,206.81
6	128.80	6	471.82	6	814.85	6	1,157.38	6	1,500.41	6	1,843.44	6	2,186.47	6	2,529.51	6	2,871.94	6	3,213.92
1/4	135.95	1/4	478.97	1/4	821.99	1/4	1,164.53	1/4	1,507.56	1/4	1,850.59	1/4	2,193.62	1/4	2,536.66	1/4	2,879.07	1/4	3,221.03
1/2	143.09	1/2	486.12	1/2	829.13	1/2	1,171.67	1/2	1,514.70	1/2	1,857.74	1/2	2,200.77	1/2	2,543.81	1/2	2,886.20	1/2	3,228.14
3/4	150.24	3/4	493.26	3/4	836.28	3/4	1,178.82	3/4	1,521.85	3/4	1,864.88	3/4	2,207.91	3/4	2,550.96	3/4	2,893.32	3/4	3,235.25
7	157.39	7	500.41	7	843.42	7	1,185.96	7	1,529.00	7	1,872.03	7	2,215.06	7	2,558.10	7	2,900.45	7	3,242.36
1/4	164.53	1/4	507.55	1/4	850.56	1/4	1,193.11	1/4	1,536.14	1/4	1,879.18	1/4	2,222.21	1/4	2,565.25	1/4	2,907.58	1/4	3,249.48
1/2	171.68	1/2	514.70	1/2	857.69	1/2	1,200.26	1/2	1,543.29	1/2	1,886.32	1/2	2,229.35	1/2	2,572.40	1/2	2,914.71	1/2	3,256.59
3/4	178.83	3/4	521.85	3/4	864.83	3/4	1,207.40	3/4	1,550.44	3/4	1,893.47	3/4	2,236.50	3/4	2,579.55	3/4	2,921.84	3/4	3,263.70
8	185.97	8	528.99	8	871.96	8	1,214.55	8	1,557.58	8	1,900.61	8	2,243.65	8	2,586.69	8	2,928.96	8	3,270.81
1/4	193.12	1/4	536.14	1/4	879.10	1/4	1,221.70	1/4	1,564.73	1/4	1,907.76	1/4	2,250.79	1/4	2,593.84	1/4	2,936.09	1/4	3,277.92
1/2	200.26	1/2	543.29	1/2	886.23	1/2	1,228.84	1/2	1,571.88	1/2	1,914.91	1/2	2,257.94	1/2	2,600.99	1/2	2,943.22	1/2	3,285.03
3/4	207.41	3/4	550.43	3/4	893.36	3/4	1,235.99	3/4	1,579.02	3/4	1,922.05	3/4	2,265.09	3/4	2,608.13	3/4	2,950.35	3/4	3,292.14
9	214.56	9	557.58	9	900.49	9	1,243.14	9	1,586.17	9	1,929.20	9	2,272.23	9	2,615.28	9	2,957.48	9	3,299.25
1/4	221.70	1/4	564.73	1/4	907.63	1/4	1,250.28	1/4	1,593.32	1/4	1,936.35	1/4	2,279.38	1/4	2,622.42	1/4	2,964.61	1/4	3,306.36
1/2	228.85	1/2	571.87	1/2	914.76	1/2	1,257.43	1/2	1,600.46	1/2	1,943.49	1/2	2,286.53	1/2	2,629.56	1/2	2,971.73	1/2	3,313.47
3/4	236.00	3/4	579.02	3/4	921.89	3/4	1,264.58	3/4	1,607.61	3/4	1,950.64	3/4	2,293.67	3/4	2,636.70	3/4	2,978.86	3/4	3,320.58
10	243.14	10	586.16	10	929.02	10	1,271.72	10	1,614.75	10	1,957.79	10	2,300.82	10	2,643.83	10	2,985.99	10	3,327.70
1/4	250.29	1/4	593.31	1/4	936.16	1/4	1,278.87	1/4	1,621.90	1/4	1,964.93	1/4	2,307.97	1/4	2,650.96	1/4	2,993.12	1/4	3,334.81
1/2	257.43	1/2	600.46	1/2	943.29	1/2	1,286.02	1/2	1,629.05	1/2	1,972.08	1/2	2,315.11	1/2	2,658.09	1/2	3,000.25	1/2	3,341.92
3/4	264.58	3/4	607.60	3/4	950.42	3/4	1,293.16	3/4	1,636.19	3/4	1,979.23	3/4	2,322.26	3/4	2,665.22	3/4	3,007.38	3/4	3,349.03
11	271.73	11	614.75	11	957.55	11	1,300.31	11	1,643.34	11	1,986.37	11	2,329.40	11	2,672.35	11	3,014.50	11	3,356.14
1/4	278.87	1/4	621.90	1/4	964.68	1/4	1,307.46	1/4	1,650.49	1/4	1,993.52	1/4	2,336.55	1/4	2,679.47	1/4	3,021.63	1/4	3,363.25
1/2	286.02	1/2	629.04	1/2	971.82	1/2	1,314.60	1/2	1,657.63	1/2	2,000.67	1/2	2,343.70	1/2	2,686.60	1/2	3,028.76	1/2	3,367.60
3/4	293.17	3/4	636.19	3/4	978.95	3/4	1,321.75	3/4	1,664.78	3/4	2,007.81	3/4	2,350.84	3/4	2,693.73	3/4	3,035.89	3/4	3,373.33

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 3314"

formerly the  
BARGE "FMT 3314"

**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	3,379.06	0	3,589.22	0	3,799.60	0	4,009.71	0	4,219.17	0	4,410.30	0		0		0		0	
1/4	3,383.40	1/4	3,593.60	1/4	3,803.98	1/4	4,014.07	1/4	4,223.53	1/4	4,412.01	1/4		1/4		1/4		1/4	
1/2	3,387.75	1/2	3,597.99	1/2	3,808.37	1/2	4,018.43	1/2	4,227.90	1/2	4,413.72	1/2		1/2		1/2		1/2	
3/4	3,392.10	3/4	3,602.37	3/4	3,812.75	3/4	4,022.80	3/4	4,232.26	3/4	4,415.43	3/4		3/4		3/4		3/4	
1	3,396.44	1	3,606.75	1	3,817.13	1	4,027.16	1	4,236.62	1	4,417.14	1		1		1		1	
1/4	3,400.81	1/4	3,611.13	1/4	3,821.51	1/4	4,031.53	1/4	4,240.99	1/4	4,418.86	1/4		1/4		1/4		1/4	
1/2	3,405.17	1/2	3,615.52	1/2	3,825.90	1/2	4,035.89	1/2	4,245.35	1/2	4,420.57	1/2		1/2		1/2		1/2	
3/4	3,409.54	3/4	3,619.90	3/4	3,830.28	3/4	4,040.25	3/4	4,249.72	3/4	4,422.28	3/4		3/4		3/4		3/4	
2	3,413.90	2	3,624.28	2	3,834.66	2	4,044.62	2	4,254.08	2	4,423.99	2		2		2		2	
1/4	3,418.29	1/4	3,628.67	1/4	3,839.05	1/4	4,048.98	1/4	4,258.44	1/4	4,425.07	1/4		1/4		1/4		1/4	
1/2	3,422.67	1/2	3,633.05	1/2	3,843.43	1/2	4,053.34	1/2	4,262.81	1/2	4,426.15	1/2		1/2		1/2		1/2	
3/4	3,427.05	3/4	3,637.43	3/4	3,847.81	3/4	4,057.71	3/4	4,267.17	3/4	4,427.23	3/4		3/4		3/4		3/4	
3	3,431.44	3	3,641.82	3	3,852.19	3	4,062.07	3	4,271.53	3	4,428.31	3		3		3		3	
1/4	3,435.82	1/4	3,646.20	1/4	3,856.58	1/4	4,066.44	1/4	4,275.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,440.20	1/2	3,650.58	1/2	3,860.96	1/2	4,070.80	1/2	4,280.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,444.58	3/4	3,654.96	3/4	3,865.34	3/4	4,075.16	3/4	4,284.63	3/4		3/4		3/4		3/4		3/4	
4	3,448.97	4	3,659.35	4	3,869.73	4	4,079.53	4	4,288.99	4		4		4		4		4	
1/4	3,453.35	1/4	3,663.73	1/4	3,874.11	1/4	4,083.89	1/4	4,293.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.73	1/2	3,668.11	1/2	3,878.49	1/2	4,088.26	1/2	4,297.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,462.12	3/4	3,672.50	3/4	3,882.87	3/4	4,092.62	3/4	4,302.04	3/4		3/4		3/4		3/4		3/4	
5	3,466.50	5	3,676.88	5	3,887.26	5	4,096.98	5	4,306.39	5		5		5		5		5	
1/4	3,470.88	1/4	3,681.26	1/4	3,891.64	1/4	4,101.35	1/4	4,310.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,475.27	1/2	3,685.64	1/2	3,896.02	1/2	4,105.71	1/2	4,315.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,479.65	3/4	3,690.03	3/4	3,900.41	3/4	4,110.07	3/4	4,319.40	3/4		3/4		3/4		3/4		3/4	
6	3,484.03	6	3,694.41	6	3,904.79	6	4,114.44	6	4,323.73	6		6		6		6		6	
1/4	3,488.41	1/4	3,698.79	1/4	3,909.17	1/4	4,118.80	1/4	4,328.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.80	1/2	3,703.18	1/2	3,913.56	1/2	4,123.17	1/2	4,332.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.18	3/4	3,707.56	3/4	3,917.94	3/4	4,127.53	3/4	4,336.74	3/4		3/4		3/4		3/4		3/4	
7	3,501.56	7	3,711.94	7	3,922.32	7	4,131.89	7	4,341.07	7		7		7		7		7	
1/4	3,505.95	1/4	3,716.32	1/4	3,926.70	1/4	4,136.26	1/4	4,345.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,510.33	1/2	3,720.71	1/2	3,931.09	1/2	4,140.62	1/2	4,349.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,514.71	3/4	3,725.09	3/4	3,935.47	3/4	4,144.98	3/4	4,354.05	3/4		3/4		3/4		3/4		3/4	
8	3,519.09	8	3,729.47	8	3,939.85	8	4,149.35	8	4,358.38	8		8		8		8		8	
1/4	3,523.48	1/4	3,733.86	1/4	3,944.22	1/4	4,153.71	1/4	4,362.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.86	1/2	3,738.24	1/2	3,948.60	1/2	4,158.08	1/2	4,366.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,532.24	3/4	3,742.62	3/4	3,952.97	3/4	4,162.44	3/4	4,371.26	3/4		3/4		3/4		3/4		3/4	
9	3,536.63	9	3,747.00	9	3,957.34	9	4,166.80	9	4,375.56	9		9		9		9		9	
1/4	3,541.01	1/4	3,751.39	1/4	3,961.71	1/4	4,171.17	1/4	4,379.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.39	1/2	3,755.77	1/2	3,966.07	1/2	4,175.53	1/2	4,383.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,549.77	3/4	3,760.15	3/4	3,970.43	3/4	4,179.90	3/4	4,387.12	3/4		3/4		3/4		3/4		3/4	
10	3,554.16	10	3,764.54	10	3,974.80	10	4,184.26	10	4,390.98	10		10		10		10		10	
1/4	3,558.54	1/4	3,768.92	1/4	3,979.16	1/4	4,188.62	1/4	4,393.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.92	1/2	3,773.30	1/2	3,983.52	1/2	4,192.99	1/2	4,396.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.31	3/4	3,777.69	3/4	3,987.89	3/4	4,197.35	3/4	4,399.52	3/4		3/4		3/4		3/4		3/4	
11	3,571.69	11	3,782.07	11	3,992.25	11	4,201.71	11	4,402.37	11		11		11		11		11	
1/4	3,576.07	1/4	3,786.45	1/4	3,996.62	1/4	4,206.08	1/4	4,404.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.45	1/2	3,790.83	1/2	4,000.98	1/2	4,210.44	1/2	4,406.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.84	3/4	3,795.22	3/4	4,005.34	3/4	4,214.81	3/4	4,408.31	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

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



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



# BARGE "HSM 3314"

formerly the

BARGE "FMT 3314"

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	08-1/8	- 08-1/8	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	08-1/8	- 08-1/8	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"

July 29, 2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the

# BARGE "FMT 3314"

## 1 PORT 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	5,028.07	0	4,743.35	0	4,402.48	0	4,060.76	0	3,718.32	0	3,375.96	0	3,033.62
1/4		1/4		1/4		1/4	5,026.07	1/4	4,736.25	1/4	4,395.37	1/4	4,053.63	1/4	3,711.19	1/4	3,368.83	1/4	3,026.49
1/2		1/2		1/2		1/2	5,024.07	1/2	4,729.14	1/2	4,388.27	1/2	4,046.49	1/2	3,704.05	1/2	3,361.69	1/2	3,019.35
3/4		3/4		3/4		3/4	5,022.06	3/4	4,722.04	3/4	4,381.17	3/4	4,039.36	3/4	3,696.92	3/4	3,354.56	3/4	3,012.22
1		1		1		1	5,020.06	1	4,714.94	1	4,374.07	1	4,032.22	1	3,689.79	1	3,347.43	1	3,005.09
1/4		1/4		1/4		1/4	5,016.87	1/4	4,707.84	1/4	4,366.97	1/4	4,025.09	1/4	3,682.65	1/4	3,340.30	1/4	2,997.96
1/2		1/2		1/2		1/2	5,013.68	1/2	4,700.74	1/2	4,359.87	1/2	4,017.96	1/2	3,675.52	1/2	3,333.17	1/2	2,990.82
3/4		3/4		3/4		3/4	5,010.48	3/4	4,693.64	3/4	4,352.76	3/4	4,010.82	3/4	3,668.38	3/4	3,326.03	3/4	2,983.69
2		2		2		2	5,007.29	2	4,686.54	2	4,345.66	2	4,003.69	2	3,661.25	2	3,318.90	2	2,976.55
1/4		1/4		1/4		1/4	5,002.91	1/4	4,679.43	1/4	4,338.56	1/4	3,996.55	1/4	3,654.12	1/4	3,311.77	1/4	2,969.42
1/2		1/2		1/2		1/2	4,998.53	1/2	4,672.33	1/2	4,331.46	1/2	3,989.42	1/2	3,646.98	1/2	3,304.64	1/2	2,962.29
3/4		3/4		3/4		3/4	4,994.15	3/4	4,665.23	3/4	4,324.36	3/4	3,982.28	3/4	3,639.85	3/4	3,297.50	3/4	2,955.15
3		3		3		3	4,989.77	3	4,658.13	3	4,317.26	3	3,975.15	3	3,632.71	3	3,290.37	3	2,948.02
1/4		1/4		1/4		1/4	4,984.20	1/4	4,651.03	1/4	4,310.16	1/4	3,968.02	1/4	3,625.58	1/4	3,283.24	1/4	2,940.88
1/2		1/2		1/2		1/2	4,978.63	1/2	4,643.93	1/2	4,303.05	1/2	3,960.88	1/2	3,618.45	1/2	3,276.11	1/2	2,933.75
3/4		3/4		3/4		3/4	4,973.06	3/4	4,636.82	3/4	4,295.95	3/4	3,953.75	3/4	3,611.32	3/4	3,268.98	3/4	2,926.62
4		4		4		4	4,967.49	4	4,629.72	4	4,288.85	4	3,946.61	4	3,604.19	4	3,261.84	4	2,919.48
1/4		1/4		1/4		1/4	4,960.91	1/4	4,622.62	1/4	4,281.75	1/4	3,939.48	1/4	3,597.05	1/4	3,254.71	1/4	2,912.35
1/2		1/2		1/2		1/2	4,954.33	1/2	4,615.52	1/2	4,274.65	1/2	3,932.35	1/2	3,589.92	1/2	3,247.58	1/2	2,905.21
3/4		3/4		3/4		3/4	4,947.76	3/4	4,608.42	3/4	4,267.55	3/4	3,925.21	3/4	3,582.79	3/4	3,240.45	3/4	2,898.08
5		5		5		5	4,941.18	5	4,601.32	5	4,260.45	5	3,918.08	5	3,575.66	5	3,233.32	5	2,890.95
1/4		1/4		1/4		1/4	4,934.16	1/4	4,594.22	1/4	4,253.33	1/4	3,910.94	1/4	3,568.52	1/4	3,226.18	1/4	2,883.81
1/2		1/2		1/2		1/2	4,927.15	1/2	4,587.11	1/2	4,246.21	1/2	3,903.81	1/2	3,561.39	1/2	3,219.05	1/2	2,876.68
3/4		3/4		3/4		3/4	4,920.13	3/4	4,580.01	3/4	4,239.09	3/4	3,896.68	3/4	3,554.26	3/4	3,211.92	3/4	2,869.54
6		6		6		6	4,913.12	6	4,572.91	6	4,231.98	6	3,889.54	6	3,547.13	6	3,204.79	6	2,862.41
1/4		1/4		1/4		1/4	4,906.07	1/4	4,565.81	1/4	4,224.84	1/4	3,882.41	1/4	3,540.00	1/4	3,197.66	1/4	2,855.28
1/2		1/2		1/2		1/2	4,899.02	1/2	4,558.71	1/2	4,217.71	1/2	3,875.27	1/2	3,532.86	1/2	3,190.52	1/2	2,848.14
3/4		3/4		3/4		3/4	4,891.97	3/4	4,551.61	3/4	4,210.58	3/4	3,868.14	3/4	3,525.73	3/4	3,183.39	3/4	2,841.01
7		7		7		7	4,884.92	7	4,544.51	7	4,203.44	7	3,861.00	7	3,518.60	7	3,176.26	7	2,833.87
1/4		1/4		1/4		1/4	4,877.87	1/4	4,537.40	1/4	4,196.31	1/4	3,853.87	1/4	3,511.47	1/4	3,169.13	1/4	2,826.74
1/2		1/2		1/2		1/2	4,870.81	1/2	4,530.30	1/2	4,189.17	1/2	3,846.74	1/2	3,504.34	1/2	3,162.00	1/2	2,819.61
3/4		3/4		3/4		3/4	4,863.75	3/4	4,523.20	3/4	4,182.04	3/4	3,839.60	3/4	3,497.20	3/4	3,154.86	3/4	2,812.47
8		8		8		8	4,856.70	8	4,516.10	8	4,174.91	8	3,832.47	8	3,490.07	8	3,147.73	8	2,805.34
1/4		1/4		1/4		1/4	4,849.64	1/4	4,509.00	1/4	4,167.77	1/4	3,825.33	1/4	3,482.94	1/4	3,140.60	1/4	2,798.20
1/2		1/2		1/2		1/2	4,842.58	1/2	4,501.90	1/2	4,160.64	1/2	3,818.20	1/2	3,475.81	1/2	3,133.47	1/2	2,791.07
3/4		3/4		3/4		3/4	4,835.53	3/4	4,494.79	3/4	4,153.50	3/4	3,811.07	3/4	3,468.68	3/4	3,126.33	3/4	2,783.94
9		9		9		9	4,828.47	9	4,487.69	9	4,146.37	9	3,803.93	9	3,461.54	9	3,119.20	9	2,776.80
1/4		1/4		1/4		1/4	4,821.39	1/4	4,480.59	1/4	4,139.23	1/4	3,796.80	1/4	3,454.41	1/4	3,112.07	1/4	2,769.67
1/2		1/2		1/2		1/2	4,814.32	1/2	4,473.49	1/2	4,132.10	1/2	3,789.66	1/2	3,447.28	1/2	3,104.94	1/2	2,762.53
3/4		3/4		3/4		3/4	4,807.24	3/4	4,466.39	3/4	4,124.97	3/4	3,782.53	3/4	3,440.15	3/4	3,097.81	3/4	2,755.40
10		10		10		10	4,800.16	10	4,459.29	10	4,117.83	10	3,775.40	10	3,433.01	10	3,090.67	10	2,748.27
1/4		1/4		1/4		1/4	4,793.06	1/4	4,452.19	1/4	4,110.70	1/4	3,768.26	1/4	3,425.88	1/4	3,083.54	1/4	2,741.13
1/2		1/2		1/2		1/2	4,785.96	1/2	4,445.08	1/2	4,103.56	1/2	3,761.13	1/2	3,418.75	1/2	3,076.41	1/2	2,734.00
3/4		3/4		3/4		3/4	4,778.85	3/4	4,437.98	3/4	4,096.43	3/4	3,753.99	3/4	3,411.62	3/4	3,069.28	3/4	2,726.86
11		11		11	5,031.78	11	4,771.75	11	4,430.88	11	4,089.30	11	3,746.86	11	3,404.49	11	3,062.15	11	2,719.73
1/4		1/4		1/4	5,030.85	1/4	4,764.65	1/4	4,423.78	1/4	4,082.16	1/4	3,739.73	1/4	3,397.35	1/4	3,055.01	1/4	2,712.60
1/2		1/2		1/2	5,029.93	1/2	4,757.55	1/2	4,416.68	1/2	4,075.03	1/2	3,732.59	1/2	3,390.22	1/2	3,047.88	1/2	2,705.46
3/4		3/4		3/4	5,029.00	3/4	4,750.45	3/4	4,409.58	3/4	4,067.89	3/4	3,725.46	3/4	3,383.09	3/4	3,040.75	3/4	2,698.33

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 3314"

formerly the

# BARGE "FMT 3314"

**1 PORT**  
**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	2,691.19	0	2,348.75	0	2,006.29	0	1,663.84	0	1,321.38	0	979.63	0	639.10	0	303.78	0	20.47	0	
1/4	2,684.06	1/4	2,341.61	1/4	1,999.16	1/4	1,656.70	1/4	1,314.25	1/4	972.56	1/4	631.97	1/4	297.23	1/4	17.67	1/4	
1/2	2,676.93	1/2	2,334.48	1/2	1,992.02	1/2	1,649.57	1/2	1,307.11	1/2	965.48	1/2	624.83	1/2	290.68	1/2	14.88	1/2	
3/4	2,669.79	3/4	2,327.35	3/4	1,984.89	3/4	1,642.43	3/4	1,299.98	3/4	958.41	3/4	617.70	3/4	284.13	3/4	12.08	3/4	
1	2,662.66	1	2,320.21	1	1,977.76	1	1,635.30	1	1,292.84	1	951.34	1	610.56	1	277.58	1	9.28	1	
1/4	2,655.52	1/4	2,313.08	1/4	1,970.62	1/4	1,628.16	1/4	1,285.71	1/4	944.26	1/4	603.43	1/4	271.11	1/4	7.50	1/4	
1/2	2,648.39	1/2	2,305.94	1/2	1,963.49	1/2	1,621.03	1/2	1,278.57	1/2	937.19	1/2	596.29	1/2	264.64	1/2	5.72	1/2	
3/4	2,641.26	3/4	2,298.81	3/4	1,956.35	3/4	1,613.90	3/4	1,271.44	3/4	930.11	3/4	589.16	3/4	258.17	3/4	3.93	3/4	
2	2,634.12	2	2,291.67	2	1,949.22	2	1,606.76	2	1,264.31	2	923.04	2	582.03	2	251.71	2	2.15	2	
1/4	2,626.99	1/4	2,284.54	1/4	1,942.08	1/4	1,599.63	1/4	1,257.17	1/4	915.97	1/4	574.89	1/4	245.32	1/4		1/4	
1/2	2,619.86	1/2	2,277.40	1/2	1,934.95	1/2	1,592.49	1/2	1,250.04	1/2	908.89	1/2	567.76	1/2	238.94	1/2		1/2	
3/4	2,612.72	3/4	2,270.27	3/4	1,927.81	3/4	1,585.36	3/4	1,242.90	3/4	901.82	3/4	560.62	3/4	232.56	3/4		3/4	
3	2,605.59	3	2,263.14	3	1,920.68	3	1,578.22	3	1,235.77	3	894.74	3	553.49	3	226.17	3		3	
1/4	2,598.46	1/4	2,256.00	1/4	1,913.54	1/4	1,571.09	1/4	1,228.63	1/4	887.67	1/4	546.35	1/4	219.87	1/4		1/4	
1/2	2,591.32	1/2	2,248.87	1/2	1,906.41	1/2	1,563.95	1/2	1,221.50	1/2	880.59	1/2	539.22	1/2	213.57	1/2		1/2	
3/4	2,584.19	3/4	2,241.73	3/4	1,899.28	3/4	1,556.82	3/4	1,214.36	3/4	873.52	3/4	532.09	3/4	207.27	3/4		3/4	
4	2,577.05	4	2,234.60	4	1,892.14	4	1,549.69	4	1,207.23	4	866.45	4	524.95	4	200.97	4		4	
1/4	2,569.92	1/4	2,227.46	1/4	1,885.01	1/4	1,542.55	1/4	1,200.09	1/4	859.37	1/4	517.82	1/4	194.75	1/4		1/4	
1/2	2,562.78	1/2	2,220.33	1/2	1,877.87	1/2	1,535.42	1/2	1,192.96	1/2	852.30	1/2	510.68	1/2	188.53	1/2		1/2	
3/4	2,555.65	3/4	2,213.19	3/4	1,870.74	3/4	1,528.28	3/4	1,185.83	3/4	845.22	3/4	503.55	3/4	182.32	3/4		3/4	
5	2,548.52	5	2,206.06	5	1,863.60	5	1,521.15	5	1,178.69	5	838.15	5	496.41	5	176.10	5		5	
1/4	2,541.38	1/4	2,198.92	1/4	1,856.47	1/4	1,514.01	1/4	1,171.56	1/4	831.08	1/4	489.30	1/4	169.97	1/4		1/4	
1/2	2,534.25	1/2	2,191.79	1/2	1,849.33	1/2	1,506.88	1/2	1,164.42	1/2	824.00	1/2	482.19	1/2	163.83	1/2		1/2	
3/4	2,527.11	3/4	2,184.66	3/4	1,842.20	3/4	1,499.74	3/4	1,157.29	3/4	816.93	3/4	475.08	3/4	157.70	3/4		3/4	
6	2,519.98	6	2,177.52	6	1,835.07	6	1,492.61	6	1,150.15	6	809.86	6	467.97	6	151.56	6		6	
1/4	2,512.84	1/4	2,170.39	1/4	1,827.93	1/4	1,485.47	1/4	1,143.02	1/4	802.78	1/4	460.93	1/4	145.51	1/4		1/4	
1/2	2,505.71	1/2	2,163.25	1/2	1,820.80	1/2	1,478.34	1/2	1,135.88	1/2	795.70	1/2	453.88	1/2	139.46	1/2		1/2	
3/4	2,498.57	3/4	2,156.12	3/4	1,813.66	3/4	1,471.21	3/4	1,128.75	3/4	788.62	3/4	446.83	3/4	133.41	3/4		3/4	
7	2,491.44	7	2,148.98	7	1,806.53	7	1,464.07	7	1,121.62	7	781.54	7	439.79	7	127.36	7		7	
1/4	2,484.30	1/4	2,141.85	1/4	1,799.39	1/4	1,456.94	1/4	1,114.48	1/4	774.45	1/4	432.82	1/4	121.39	1/4		1/4	
1/2	2,477.17	1/2	2,134.71	1/2	1,792.26	1/2	1,449.80	1/2	1,107.35	1/2	767.36	1/2	425.86	1/2	115.43	1/2		1/2	
3/4	2,470.04	3/4	2,127.58	3/4	1,785.12	3/4	1,442.67	3/4	1,100.21	3/4	760.27	3/4	418.89	3/4	109.46	3/4		3/4	
8	2,462.90	8	2,120.45	8	1,777.99	8	1,435.53	8	1,093.08	8	753.18	8	411.93	8	103.49	8		8	
1/4	2,455.77	1/4	2,113.31	1/4	1,770.85	1/4	1,428.40	1/4	1,085.96	1/4	746.06	1/4	405.04	1/4	97.62	1/4		1/4	
1/2	2,448.63	1/2	2,106.18	1/2	1,763.72	1/2	1,421.26	1/2	1,078.84	1/2	738.95	1/2	398.16	1/2	91.74	1/2		1/2	
3/4	2,441.50	3/4	2,099.04	3/4	1,756.59	3/4	1,414.13	3/4	1,071.72	3/4	731.83	3/4	391.28	3/4	85.86	3/4		3/4	
9	2,434.36	9	2,091.91	9	1,749.45	9	1,407.00	9	1,064.61	9	724.71	9	384.39	9	79.98	9		9	
1/4	2,427.23	1/4	2,084.77	1/4	1,742.32	1/4	1,399.86	1/4	1,057.52	1/4	717.58	1/4	377.59	1/4	74.21	1/4		1/4	
1/2	2,420.09	1/2	2,077.64	1/2	1,735.18	1/2	1,392.73	1/2	1,050.42	1/2	710.44	1/2	370.79	1/2	68.43	1/2		1/2	
3/4	2,412.96	3/4	2,070.50	3/4	1,728.05	3/4	1,385.59	3/4	1,043.33	3/4	703.31	3/4	363.99	3/4	62.65	3/4		3/4	
10	2,405.83	10	2,063.37	10	1,720.91	10	1,378.46	10	1,036.24	10	696.17	10	357.19	10	56.87	10		10	
1/4	2,398.69	1/4	2,056.23	1/4	1,713.78	1/4	1,371.32	1/4	1,029.16	1/4	689.04	1/4	350.47	1/4	51.62	1/4		1/4	
1/2	2,391.56	1/2	2,049.10	1/2	1,706.64	1/2	1,364.19	1/2	1,022.09	1/2	681.91	1/2	343.75	1/2	46.37	1/2		1/2	
3/4	2,384.42	3/4	2,041.97	3/4	1,699.51	3/4	1,357.05	3/4	1,015.01	3/4	674.77	3/4	337.03	3/4	41.12	3/4		3/4	
11	2,377.29	11	2,034.83	11	1,692.38	11	1,349.92	11	1,007.93	11	667.64	11	330.32	11	35.86	11		11	
1/4	2,370.15	1/4	2,027.70	1/4	1,685.24	1/4	1,342.78	1/4	1,000.85	1/4	660.50	1/4	323.68	1/4	32.02	1/4		1/4	
1/2	2,363.02	1/2	2,020.56	1/2	1,678.11	1/2	1,335.65	1/2	993.78	1/2	653.37	1/2	317.05	1/2	28.17	1/2		1/2	
3/4	2,355.88	3/4	2,013.43	3/4	1,670.97	3/4	1,328.52	3/4	986.71	3/4	646.23	3/4	310.41	3/4	24.32	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020



**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**1 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	5,039.82	0	4,754.57	0	4,413.06	0	4,070.71	0	3,727.63	0	3,384.62	0	3,041.64
1/4		1/4		1/4		1/4	5,037.82	1/4	4,747.46	1/4	4,405.95	1/4	4,063.56	1/4	3,720.48	1/4	3,377.48	1/4	3,034.49
1/2		1/2		1/2		1/2	5,035.81	1/2	4,740.34	1/2	4,398.83	1/2	4,056.41	1/2	3,713.33	1/2	3,370.33	1/2	3,027.35
3/4		3/4		3/4		3/4	5,033.80	3/4	4,733.23	3/4	4,391.72	3/4	4,049.27	3/4	3,706.19	3/4	3,363.19	3/4	3,020.20
1		1		1		1	5,031.80	1	4,726.11	1	4,384.60	1	4,042.12	1	3,699.04	1	3,356.04	1	3,013.06
1/4		1/4		1/4		1/4	5,028.60	1/4	4,719.00	1/4	4,377.49	1/4	4,034.97	1/4	3,691.89	1/4	3,348.90	1/4	3,005.91
1/2		1/2		1/2		1/2	5,025.40	1/2	4,711.88	1/2	4,370.37	1/2	4,027.82	1/2	3,684.74	1/2	3,341.75	1/2	2,998.76
3/4		3/4		3/4		3/4	5,022.20	3/4	4,704.77	3/4	4,363.26	3/4	4,020.68	3/4	3,677.60	3/4	3,334.60	3/4	2,991.62
2		2		2		2	5,019.01	2	4,697.65	2	4,356.14	2	4,013.53	2	3,670.45	2	3,327.46	2	2,984.47
1/4		1/4		1/4		1/4	5,014.62	1/4	4,690.54	1/4	4,349.03	1/4	4,006.38	1/4	3,663.30	1/4	3,320.31	1/4	2,977.32
1/2		1/2		1/2		1/2	5,010.23	1/2	4,683.42	1/2	4,341.91	1/2	3,999.23	1/2	3,656.15	1/2	3,313.17	1/2	2,970.18
3/4		3/4		3/4		3/4	5,005.84	3/4	4,676.31	3/4	4,334.80	3/4	3,992.09	3/4	3,649.01	3/4	3,306.02	3/4	2,963.03
3		3		3		3	5,001.45	3	4,669.19	3	4,327.68	3	3,984.94	3	3,641.86	3	3,298.88	3	2,955.88
1/4		1/4		1/4		1/4	4,995.87	1/4	4,662.08	1/4	4,320.57	1/4	3,977.79	1/4	3,634.71	1/4	3,291.73	1/4	2,948.73
1/2		1/2		1/2		1/2	4,990.29	1/2	4,654.97	1/2	4,313.45	1/2	3,970.64	1/2	3,627.57	1/2	3,284.59	1/2	2,941.59
3/4		3/4		3/4		3/4	4,984.71	3/4	4,647.85	3/4	4,306.34	3/4	3,963.50	3/4	3,620.42	3/4	3,277.44	3/4	2,934.44
4		4		4		4	4,979.12	4	4,640.74	4	4,299.23	4	3,956.35	4	3,613.28	4	3,270.29	4	2,927.29
1/4		1/4		1/4		1/4	4,972.54	1/4	4,633.62	1/4	4,292.11	1/4	3,949.20	1/4	3,606.13	1/4	3,263.15	1/4	2,920.14
1/2		1/2		1/2		1/2	4,965.95	1/2	4,626.51	1/2	4,285.00	1/2	3,942.05	1/2	3,598.99	1/2	3,256.00	1/2	2,913.00
3/4		3/4		3/4		3/4	4,959.36	3/4	4,619.39	3/4	4,277.88	3/4	3,934.91	3/4	3,591.84	3/4	3,248.86	3/4	2,905.85
5		5		5		5	4,952.77	5	4,612.28	5	4,270.77	5	3,927.76	5	3,584.70	5	3,241.71	5	2,898.70
1/4		1/4		1/4		1/4	4,945.74	1/4	4,605.16	1/4	4,263.64	1/4	3,920.61	1/4	3,577.55	1/4	3,234.57	1/4	2,891.55
1/2		1/2		1/2		1/2	4,938.71	1/2	4,598.05	1/2	4,256.51	1/2	3,913.46	1/2	3,570.41	1/2	3,227.42	1/2	2,884.41
3/4		3/4		3/4		3/4	4,931.69	3/4	4,590.93	3/4	4,249.38	3/4	3,906.32	3/4	3,563.26	3/4	3,220.28	3/4	2,877.26
6		6		6		6	4,924.66	6	4,583.82	6	4,242.25	6	3,899.17	6	3,556.11	6	3,213.13	6	2,870.11
1/4		1/4		1/4		1/4	4,917.60	1/4	4,576.70	1/4	4,235.10	1/4	3,892.02	1/4	3,548.97	1/4	3,205.99	1/4	2,862.96
1/2		1/2		1/2		1/2	4,910.53	1/2	4,569.59	1/2	4,227.95	1/2	3,884.87	1/2	3,541.82	1/2	3,198.84	1/2	2,855.82
3/4		3/4		3/4		3/4	4,903.47	3/4	4,562.47	3/4	4,220.81	3/4	3,877.73	3/4	3,534.68	3/4	3,191.69	3/4	2,848.67
7		7		7		7	4,896.41	7	4,555.36	7	4,213.66	7	3,870.58	7	3,527.53	7	3,184.55	7	2,841.52
1/4		1/4		1/4		1/4	4,889.34	1/4	4,548.24	1/4	4,206.51	1/4	3,863.43	1/4	3,520.39	1/4	3,177.40	1/4	2,834.37
1/2		1/2		1/2		1/2	4,882.27	1/2	4,541.13	1/2	4,199.36	1/2	3,856.28	1/2	3,513.24	1/2	3,170.26	1/2	2,827.23
3/4		3/4		3/4		3/4	4,875.20	3/4	4,534.01	3/4	4,192.22	3/4	3,849.14	3/4	3,506.10	3/4	3,163.11	3/4	2,820.08
8		8		8		8	4,868.13	8	4,526.90	8	4,185.07	8	3,841.99	8	3,498.95	8	3,155.97	8	2,812.93
1/4		1/4		1/4		1/4	4,861.06	1/4	4,519.78	1/4	4,177.92	1/4	3,834.84	1/4	3,491.81	1/4	3,148.82	1/4	2,805.78
1/2		1/2		1/2		1/2	4,853.99	1/2	4,512.67	1/2	4,170.77	1/2	3,827.69	1/2	3,484.66	1/2	3,141.68	1/2	2,798.64
3/4		3/4		3/4		3/4	4,846.92	3/4	4,505.55	3/4	4,163.63	3/4	3,820.55	3/4	3,477.51	3/4	3,134.53	3/4	2,791.49
9		9		9		9	4,839.85	9	4,498.44	9	4,156.48	9	3,813.40	9	3,470.37	9	3,127.38	9	2,784.34
1/4		1/4		1/4		1/4	4,832.76	1/4	4,491.32	1/4	4,149.33	1/4	3,806.25	1/4	3,463.22	1/4	3,120.24	1/4	2,777.20
1/2		1/2		1/2		1/2	4,825.67	1/2	4,484.21	1/2	4,142.18	1/2	3,799.10	1/2	3,456.08	1/2	3,113.09	1/2	2,770.05
3/4		3/4		3/4		3/4	4,818.58	3/4	4,477.10	3/4	4,135.04	3/4	3,791.96	3/4	3,448.93	3/4	3,105.95	3/4	2,762.90
10		10		10		10	4,811.49	10	4,469.98	10	4,127.89	10	3,784.81	10	3,441.79	10	3,098.80	10	2,755.75
1/4		1/4		1/4		1/4	4,804.38	1/4	4,462.87	1/4	4,120.74	1/4	3,777.66	1/4	3,434.64	1/4	3,091.66	1/4	2,748.61
1/2		1/2		1/2		1/2	4,797.26	1/2	4,455.75	1/2	4,113.59	1/2	3,770.51	1/2	3,427.50	1/2	3,084.51	1/2	2,741.46
3/4		3/4		3/4		3/4	4,790.15	3/4	4,448.64	3/4	4,106.45	3/4	3,763.37	3/4	3,420.35	3/4	3,077.37	3/4	2,734.31
11		11		11	5,043.54	11	4,783.03	11	4,441.52	11	4,099.30	11	3,756.22	11	3,413.20	11	3,070.22	11	2,727.16
1/4		1/4		1/4	5,042.61	1/4	4,775.92	1/4	4,434.41	1/4	4,092.15	1/4	3,749.07	1/4	3,406.06	1/4	3,063.08	1/4	2,720.02
1/2		1/2		1/2	5,041.68	1/2	4,768.80	1/2	4,427.29	1/2	4,085.00	1/2	3,741.92	1/2	3,398.91	1/2	3,055.93	1/2	2,712.87
3/4		3/4		3/4	5,040.75	3/4	4,761.69	3/4	4,420.18	3/4	4,077.86	3/4	3,734.78	3/4	3,391.77	3/4	3,048.78	3/4	2,705.72

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 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 3314"

formerly the

# BARGE "FMT 3314"

**1 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	2,698.57	0	2,355.49	0	2,012.39	0	1,669.29	0	1,326.19	0	983.15	0	640.30	0	304.31	0	20.51	0	
1/4	2,691.43	1/4	2,348.34	1/4	2,005.24	1/4	1,662.14	1/4	1,319.04	1/4	976.01	1/4	633.15	1/4	297.75	1/4	17.71	1/4	
1/2	2,684.28	1/2	2,341.19	1/2	1,998.10	1/2	1,655.00	1/2	1,311.90	1/2	968.87	1/2	626.00	1/2	291.19	1/2	14.91	1/2	
3/4	2,677.13	3/4	2,334.05	3/4	1,990.95	3/4	1,647.85	3/4	1,304.75	3/4	961.73	3/4	618.85	3/4	284.62	3/4	12.11	3/4	
1	2,669.98	1	2,326.90	1	1,983.80	1	1,640.70	1	1,297.60	1	954.59	1	611.70	1	278.06	1	9.31	1	
1/4	2,662.84	1/4	2,319.75	1/4	1,976.65	1/4	1,633.55	1/4	1,290.45	1/4	947.45	1/4	604.56	1/4	271.58	1/4	7.52	1/4	
1/2	2,655.69	1/2	2,312.60	1/2	1,969.50	1/2	1,626.40	1/2	1,283.31	1/2	940.32	1/2	597.41	1/2	265.10	1/2	5.73	1/2	
3/4	2,648.54	3/4	2,305.46	3/4	1,962.36	3/4	1,619.26	3/4	1,276.16	3/4	933.18	3/4	590.26	3/4	258.62	3/4	3.95	3/4	
2	2,641.39	2	2,298.31	2	1,955.21	2	1,612.11	2	1,269.01	2	926.04	2	583.11	2	252.15	2	2.15	2	
1/4	2,634.25	1/4	2,291.16	1/4	1,948.06	1/4	1,604.96	1/4	1,261.86	1/4	918.90	1/4	575.97	1/4	245.75	1/4		1/4	
1/2	2,627.10	1/2	2,284.01	1/2	1,940.91	1/2	1,597.81	1/2	1,254.71	1/2	911.76	1/2	568.82	1/2	239.36	1/2		1/2	
3/4	2,619.96	3/4	2,276.86	3/4	1,933.76	3/4	1,590.67	3/4	1,247.57	3/4	904.62	3/4	561.67	3/4	232.96	3/4		3/4	
3	2,612.81	3	2,269.72	3	1,926.62	3	1,583.52	3	1,240.42	3	897.48	3	554.52	3	226.56	3		3	
1/4	2,605.67	1/4	2,262.57	1/4	1,919.47	1/4	1,576.37	1/4	1,233.27	1/4	890.34	1/4	547.38	1/4	220.25	1/4		1/4	
1/2	2,598.52	1/2	2,255.42	1/2	1,912.32	1/2	1,569.22	1/2	1,226.12	1/2	883.20	1/2	540.23	1/2	213.94	1/2		1/2	
3/4	2,591.37	3/4	2,248.27	3/4	1,905.17	3/4	1,562.07	3/4	1,218.97	3/4	876.07	3/4	533.08	3/4	207.63	3/4		3/4	
4	2,584.22	4	2,241.12	4	1,898.02	4	1,554.93	4	1,211.83	4	868.93	4	525.93	4	201.32	4		4	
1/4	2,577.08	1/4	2,233.98	1/4	1,890.88	1/4	1,547.78	1/4	1,204.68	1/4	861.79	1/4	518.78	1/4	195.09	1/4		1/4	
1/2	2,569.93	1/2	2,226.83	1/2	1,883.73	1/2	1,540.63	1/2	1,197.53	1/2	854.65	1/2	511.64	1/2	188.86	1/2		1/2	
3/4	2,562.78	3/4	2,219.68	3/4	1,876.58	3/4	1,533.48	3/4	1,190.38	3/4	847.51	3/4	504.49	3/4	182.63	3/4		3/4	
5	2,555.63	5	2,212.53	5	1,869.43	5	1,526.33	5	1,183.23	5	840.37	5	497.34	5	176.40	5		5	
1/4	2,548.48	1/4	2,205.38	1/4	1,862.29	1/4	1,519.19	1/4	1,176.09	1/4	833.23	1/4	490.21	1/4	170.26	1/4		1/4	
1/2	2,541.34	1/2	2,198.24	1/2	1,855.14	1/2	1,512.04	1/2	1,168.94	1/2	826.09	1/2	483.09	1/2	164.11	1/2		1/2	
3/4	2,534.19	3/4	2,191.09	3/4	1,847.99	3/4	1,504.89	3/4	1,161.79	3/4	818.96	3/4	475.96	3/4	157.97	3/4		3/4	
6	2,527.04	6	2,183.94	6	1,840.84	6	1,497.74	6	1,154.64	6	811.82	6	468.83	6	151.83	6		6	
1/4	2,519.89	1/4	2,176.79	1/4	1,833.69	1/4	1,490.59	1/4	1,147.50	1/4	804.67	1/4	461.77	1/4	145.76	1/4		1/4	
1/2	2,512.74	1/2	2,169.64	1/2	1,826.55	1/2	1,483.45	1/2	1,140.35	1/2	797.53	1/2	454.71	1/2	139.70	1/2		1/2	
3/4	2,505.60	3/4	2,162.50	3/4	1,819.40	3/4	1,476.30	3/4	1,133.20	3/4	790.39	3/4	447.64	3/4	133.64	3/4		3/4	
7	2,498.45	7	2,155.35	7	1,812.25	7	1,469.15	7	1,126.05	7	783.24	7	440.58	7	127.58	7		7	
1/4	2,491.30	1/4	2,148.20	1/4	1,805.10	1/4	1,462.00	1/4	1,118.90	1/4	776.10	1/4	433.60	1/4	121.60	1/4		1/4	
1/2	2,484.15	1/2	2,141.05	1/2	1,797.95	1/2	1,454.85	1/2	1,111.76	1/2	768.95	1/2	426.62	1/2	115.63	1/2		1/2	
3/4	2,477.00	3/4	2,133.91	3/4	1,790.81	3/4	1,447.71	3/4	1,104.61	3/4	761.80	3/4	419.64	3/4	109.65	3/4		3/4	
8	2,469.86	8	2,126.76	8	1,783.66	8	1,440.56	8	1,097.46	8	754.66	8	412.66	8	103.67	8		8	
1/4	2,462.71	1/4	2,119.61	1/4	1,776.51	1/4	1,433.41	1/4	1,090.31	1/4	747.51	1/4	405.76	1/4	97.79	1/4		1/4	
1/2	2,455.56	1/2	2,112.46	1/2	1,769.36	1/2	1,426.26	1/2	1,083.16	1/2	740.36	1/2	398.86	1/2	91.90	1/2		1/2	
3/4	2,448.41	3/4	2,105.31	3/4	1,762.21	3/4	1,419.12	3/4	1,076.02	3/4	733.22	3/4	391.97	3/4	86.01	3/4		3/4	
9	2,441.27	9	2,098.17	9	1,755.07	9	1,411.97	9	1,068.87	9	726.07	9	385.07	9	80.12	9		9	
1/4	2,434.12	1/4	2,091.02	1/4	1,747.92	1/4	1,404.82	1/4	1,061.72	1/4	718.92	1/4	378.26	1/4	74.34	1/4		1/4	
1/2	2,426.97	1/2	2,083.87	1/2	1,740.77	1/2	1,397.67	1/2	1,054.57	1/2	711.77	1/2	371.44	1/2	68.55	1/2		1/2	
3/4	2,419.82	3/4	2,076.72	3/4	1,733.62	3/4	1,390.52	3/4	1,047.43	3/4	704.62	3/4	364.63	3/4	62.76	3/4		3/4	
10	2,412.67	10	2,069.57	10	1,726.48	10	1,383.38	10	1,040.28	10	697.48	10	357.82	10	56.97	10		10	
1/4	2,405.53	1/4	2,062.43	1/4	1,719.33	1/4	1,376.23	1/4	1,033.14	1/4	690.33	1/4	351.09	1/4	51.71	1/4		1/4	
1/2	2,398.38	1/2	2,055.28	1/2	1,712.18	1/2	1,369.08	1/2	1,025.99	1/2	683.18	1/2	344.36	1/2	46.45	1/2		1/2	
3/4	2,391.23	3/4	2,048.13	3/4	1,705.03	3/4	1,361.93	3/4	1,018.85	3/4	676.03	3/4	337.63	3/4	41.19	3/4		3/4	
11	2,384.08	11	2,040.98	11	1,697.88	11	1,354.78	11	1,011.71	11	668.89	11	330.90	11	35.93	11		11	
1/4	2,376.93	1/4	2,033.83	1/4	1,690.74	1/4	1,347.64	1/4	1,004.57	1/4	661.74	1/4	324.25	1/4	32.07	1/4		1/4	
1/2	2,369.79	1/2	2,026.69	1/2	1,683.59	1/2	1,340.49	1/2	997.43	1/2	654.59	1/2	317.60	1/2	28.22	1/2		1/2	
3/4	2,362.64	3/4	2,019.54	3/4	1,676.44	3/4	1,333.34	3/4	990.29	3/4	647.44	3/4	310.96	3/4	24.36	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
 CALCULATED: 07/30/2020 CL  
 PRINTED: 07/30/2020 JS

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2020





**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**2 PORT**  
**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	5,086.74	0	4,801.50	0	4,459.99	0	4,117.64	0	3,774.57	0	3,431.50	0	3,088.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.73	1/4	4,794.38	1/4	4,452.88	1/4	4,110.49	1/4	3,767.42	1/4	3,424.35	1/4	3,081.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,082.73	1/2	4,787.27	1/2	4,445.76	1/2	4,103.35	1/2	3,760.27	1/2	3,417.20	1/2	3,074.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,080.72	3/4	4,780.15	3/4	4,438.65	3/4	4,096.20	3/4	3,753.13	3/4	3,410.06	3/4	3,066.99		
1		1		1		1	5,078.71	1	4,773.04	1	4,431.53	1	4,089.05	1	3,745.98	1	3,402.91	1	3,059.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,075.52	1/4	4,765.92	1/4	4,424.42	1/4	4,081.90	1/4	3,738.83	1/4	3,395.76	1/4	3,052.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,072.32	1/2	4,758.81	1/2	4,417.30	1/2	4,074.76	1/2	3,731.69	1/2	3,388.61	1/2	3,045.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,069.12	3/4	4,751.70	3/4	4,410.19	3/4	4,067.61	3/4	3,724.54	3/4	3,381.47	3/4	3,038.39		
2		2		2		2	5,065.92	2	4,744.58	2	4,403.08	2	4,060.46	2	3,717.39	2	3,374.32	2	3,031.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,061.54	1/4	4,737.47	1/4	4,395.96	1/4	4,053.31	1/4	3,710.24	1/4	3,367.17	1/4	3,024.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,057.15	1/2	4,730.35	1/2	4,388.85	1/2	4,046.17	1/2	3,703.10	1/2	3,360.03	1/2	3,016.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.76	3/4	4,723.24	3/4	4,381.73	3/4	4,039.02	3/4	3,695.95	3/4	3,352.88	3/4	3,009.80		
3		3		3		3	5,048.37	3	4,717.12	3	4,374.62	3	4,031.87	3	3,688.80	3	3,345.73	3	3,002.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.79	1/4	4,709.01	1/4	4,367.50	1/4	4,024.72	1/4	3,681.65	1/4	3,338.58	1/4	2,995.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.21	1/2	4,701.89	1/2	4,360.39	1/2	4,017.58	1/2	3,674.51	1/2	3,331.44	1/2	2,988.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.63	3/4	4,694.78	3/4	4,353.27	3/4	4,010.43	3/4	3,667.36	3/4	3,324.29	3/4	2,981.20		
4		4		4		4	5,026.05	4	4,687.66	4	4,346.16	4	4,003.28	4	3,660.21	4	3,317.14	4	2,974.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,019.46	1/4	4,680.55	1/4	4,339.04	1/4	3,996.14	1/4	3,653.07	1/4	3,309.99	1/4	2,966.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,012.87	1/2	4,673.43	1/2	4,331.93	1/2	3,988.99	1/2	3,645.92	1/2	3,302.85	1/2	2,959.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,006.28	3/4	4,666.32	3/4	4,324.81	3/4	3,981.84	3/4	3,638.77	3/4	3,295.70	3/4	2,952.60		
5		5		5		5	4,999.69	5	4,659.20	5	4,317.70	5	3,974.69	5	3,631.62	5	3,288.55	5	2,945.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.67	1/4	4,652.09	1/4	4,310.57	1/4	3,967.55	1/4	3,624.48	1/4	3,281.41	1/4	2,938.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.64	1/2	4,644.98	1/2	4,303.44	1/2	3,960.40	1/2	3,617.33	1/2	3,274.26	1/2	2,931.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,978.61	3/4	4,637.86	3/4	4,296.31	3/4	3,953.25	3/4	3,610.18	3/4	3,267.11	3/4	2,924.01		
6		6		6		6	4,971.58	6	4,630.75	6	4,289.17	6	3,946.10	6	3,603.03	6	3,259.96	6	2,916.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.52	1/4	4,623.63	1/4	4,282.03	1/4	3,938.96	1/4	3,595.89	1/4	3,252.82	1/4	2,909.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.46	1/2	4,616.52	1/2	4,274.88	1/2	3,931.81	1/2	3,588.74	1/2	3,245.67	1/2	2,902.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.40	3/4	4,609.40	3/4	4,267.73	3/4	3,924.66	3/4	3,581.59	3/4	3,238.52	3/4	2,895.41		
7		7		7		7	4,943.34	7	4,602.29	7	4,260.59	7	3,917.52	7	3,574.44	7	3,231.37	7	2,888.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,936.27	1/4	4,595.17	1/4	4,253.44	1/4	3,910.37	1/4	3,567.30	1/4	3,224.23	1/4	2,881.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.20	1/2	4,588.06	1/2	4,246.29	1/2	3,903.22	1/2	3,560.15	1/2	3,217.08	1/2	2,873.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.13	3/4	4,580.94	3/4	4,239.14	3/4	3,896.07	3/4	3,553.00	3/4	3,209.93	3/4	2,866.81		
8		8		8		8	4,915.06	8	4,573.83	8	4,232.00	8	3,888.93	8	3,545.86	8	3,202.79	8	2,859.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.99	1/4	4,566.71	1/4	4,224.85	1/4	3,881.78	1/4	3,538.71	1/4	3,195.64	1/4	2,852.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.92	1/2	4,559.60	1/2	4,217.70	1/2	3,874.63	1/2	3,531.56	1/2	3,188.49	1/2	2,845.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.85	3/4	4,552.48	3/4	4,210.55	3/4	3,867.48	3/4	3,524.41	3/4	3,181.34	3/4	2,838.21		
9		9		9		9	4,886.78	9	4,545.37	9	4,203.41	9	3,860.34	9	3,517.27	9	3,174.20	9	2,831.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,879.69	1/4	4,538.25	1/4	4,196.26	1/4	3,853.19	1/4	3,510.12	1/4	3,167.05	1/4	2,823.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.60	1/2	4,531.14	1/2	4,189.11	1/2	3,846.04	1/2	3,502.97	1/2	3,159.90	1/2	2,816.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.51	3/4	4,524.03	3/4	4,181.97	3/4	3,838.89	3/4	3,495.82	3/4	3,152.75	3/4	2,809.62		
10		10		10		10	4,858.42	10	4,516.91	10	4,174.82	10	3,831.75	10	3,488.68	10	3,145.61	10	2,802.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.30	1/4	4,509.80	1/4	4,167.67	1/4	3,824.60	1/4	3,481.53	1/4	3,138.46	1/4	2,795.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.19	1/2	4,502.68	1/2	4,160.52	1/2	3,817.45	1/2	3,474.38	1/2	3,131.31	1/2	2,788.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,837.07	3/4	4,495.57	3/4	4,153.38	3/4	3,810.31	3/4	3,467.24	3/4	3,124.16	3/4	2,781.02		
11		11		11		11	5,090.45	11	4,829.96	11	4,488.45	11	4,146.23	11	3,803.16	11	3,460.09	11	3,117.02	11	2,773.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,089.52	1/4	4,822.84	1/4	4,481.34	1/4	4,139.08	1/4	3,796.01	1/4	3,452.94	1/4	3,109.87	1/4	2,766.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,088.59	1/2	4,815.73	1/2	4,474.22	1/2	4,131.93	1/2	3,788.86	1/2	3,445.79	1/2	3,102.72	1/2	2,759.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,087.66	3/4	4,808.61	3/4	4,467.11	3/4	4,124.79	3/4	3,781.72	3/4	3,438.65	3/4	3,095.58	3/4	2,752.42

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 3314"

formerly the

# BARGE "FMT 3314"

**2 PORT**  
**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	2,745.27	0	2,402.11	0	2,058.94	0	1,715.77	0	1,372.61	0	1,033.61	0	700.78	0	357.62	0	23.60	0	
1/4	2,738.12	1/4	2,394.96	1/4	2,051.79	1/4	1,708.63	1/4	1,365.46	1/4	1,026.77	1/4	693.63	1/4	350.47	1/4	20.02	1/4	
1/2	2,730.98	1/2	2,387.81	1/2	2,044.64	1/2	1,701.48	1/2	1,358.31	1/2	1,019.93	1/2	686.48	1/2	343.32	1/2	16.45	1/2	
3/4	2,723.83	3/4	2,380.66	3/4	2,037.49	3/4	1,694.33	3/4	1,351.16	3/4	1,013.09	3/4	679.33	3/4	336.17	3/4	12.88	3/4	
1	2,716.68	1	2,373.51	1	2,030.34	1	1,687.18	1	1,344.01	1	1,006.25	1	672.18	1	329.02	1	9.30	1	
1/4	2,709.53	1/4	2,366.36	1/4	2,023.19	1/4	1,680.03	1/4	1,336.86	1/4	999.40	1/4	665.03	1/4	321.87	1/4	7.51	1/4	
1/2	2,702.38	1/2	2,359.21	1/2	2,016.05	1/2	1,672.88	1/2	1,329.71	1/2	992.56	1/2	657.88	1/2	314.73	1/2	5.73	1/2	
3/4	2,695.23	3/4	2,352.06	3/4	2,008.90	3/4	1,665.73	3/4	1,322.56	3/4	985.72	3/4	650.73	3/4	307.58	3/4	3.94	3/4	
2	2,688.08	2	2,344.91	2	2,001.75	2	1,658.58	2	1,315.41	2	978.88	2	643.58	2	300.43	2	2.15	2	
1/4	2,680.93	1/4	2,337.76	1/4	1,994.60	1/4	1,651.43	1/4	1,308.26	1/4	972.04	1/4	636.43	1/4	293.28	1/4		1/4	
1/2	2,673.78	1/2	2,330.61	1/2	1,987.45	1/2	1,644.28	1/2	1,301.12	1/2	965.19	1/2	629.29	1/2	286.13	1/2		1/2	
3/4	2,666.63	3/4	2,323.47	3/4	1,980.30	3/4	1,637.13	3/4	1,293.97	3/4	958.35	3/4	622.14	3/4	278.98	3/4		3/4	
3	2,659.48	3	2,316.32	3	1,973.15	3	1,629.98	3	1,286.82	3	951.51	3	614.99	3	271.83	3		3	
1/4	2,652.33	1/4	2,309.17	1/4	1,966.00	1/4	1,622.83	1/4	1,279.67	1/4	944.67	1/4	607.84	1/4	264.68	1/4		1/4	
1/2	2,645.18	1/2	2,302.02	1/2	1,958.85	1/2	1,615.68	1/2	1,272.52	1/2	937.83	1/2	600.69	1/2	257.53	1/2		1/2	
3/4	2,638.03	3/4	2,294.87	3/4	1,951.70	3/4	1,608.54	3/4	1,265.37	3/4	930.99	3/4	593.54	3/4	250.38	3/4		3/4	
4	2,630.89	4	2,287.72	4	1,944.55	4	1,601.39	4	1,258.22	4	924.14	4	586.39	4	243.23	4		4	
1/4	2,623.74	1/4	2,280.57	1/4	1,937.40	1/4	1,594.24	1/4	1,251.07	1/4	917.30	1/4	579.24	1/4	236.09	1/4		1/4	
1/2	2,616.59	1/2	2,273.42	1/2	1,930.25	1/2	1,587.09	1/2	1,243.92	1/2	910.46	1/2	572.09	1/2	228.94	1/2		1/2	
3/4	2,609.44	3/4	2,266.27	3/4	1,923.10	3/4	1,579.94	3/4	1,236.77	3/4	903.62	3/4	564.94	3/4	221.79	3/4		3/4	
5	2,602.29	5	2,259.12	5	1,915.96	5	1,572.79	5	1,229.62	5	896.78	5	557.79	5	214.64	5		5	
1/4	2,595.14	1/4	2,251.97	1/4	1,908.81	1/4	1,565.64	1/4	1,222.47	1/4	889.94	1/4	550.65	1/4	207.49	1/4		1/4	
1/2	2,587.99	1/2	2,244.82	1/2	1,901.66	1/2	1,558.49	1/2	1,215.32	1/2	883.09	1/2	543.50	1/2	200.34	1/2		1/2	
3/4	2,580.84	3/4	2,237.67	3/4	1,894.51	3/4	1,551.34	3/4	1,208.17	3/4	876.25	3/4	536.35	3/4	193.19	3/4		3/4	
6	2,573.69	6	2,230.52	6	1,887.36	6	1,544.19	6	1,201.03	6	869.41	6	529.20	6	186.04	6		6	
1/4	2,566.54	1/4	2,223.38	1/4	1,880.21	1/4	1,537.04	1/4	1,193.88	1/4	862.57	1/4	522.05	1/4	178.89	1/4		1/4	
1/2	2,559.39	1/2	2,216.23	1/2	1,873.06	1/2	1,529.89	1/2	1,186.73	1/2	855.72	1/2	514.90	1/2	171.74	1/2		1/2	
3/4	2,552.24	3/4	2,209.08	3/4	1,865.91	3/4	1,522.74	3/4	1,179.58	3/4	848.87	3/4	507.75	3/4	164.59	3/4		3/4	
7	2,545.09	7	2,201.93	7	1,858.76	7	1,515.59	7	1,172.43	7	842.03	7	500.60	7	157.45	7		7	
1/4	2,537.94	1/4	2,194.78	1/4	1,851.61	1/4	1,508.45	1/4	1,165.28	1/4	835.17	1/4	493.45	1/4	150.30	1/4		1/4	
1/2	2,530.79	1/2	2,187.63	1/2	1,844.46	1/2	1,501.30	1/2	1,158.13	1/2	828.31	1/2	486.30	1/2	143.15	1/2		1/2	
3/4	2,523.65	3/4	2,180.48	3/4	1,837.31	3/4	1,494.15	3/4	1,150.98	3/4	821.45	3/4	479.15	3/4	136.00	3/4		3/4	
8	2,516.50	8	2,173.33	8	1,830.16	8	1,487.00	8	1,143.83	8	814.60	8	472.01	8	128.85	8		8	
1/4	2,509.35	1/4	2,166.18	1/4	1,823.01	1/4	1,479.85	1/4	1,136.68	1/4	807.59	1/4	464.86	1/4	121.71	1/4		1/4	
1/2	2,502.20	1/2	2,159.03	1/2	1,815.86	1/2	1,472.70	1/2	1,129.53	1/2	800.58	1/2	457.71	1/2	114.57	1/2		1/2	
3/4	2,495.05	3/4	2,151.88	3/4	1,808.72	3/4	1,465.55	3/4	1,122.38	3/4	793.57	3/4	450.56	3/4	107.42	3/4		3/4	
9	2,487.90	9	2,144.73	9	1,801.57	9	1,458.40	9	1,115.23	9	786.57	9	443.41	9	100.28	9		9	
1/4	2,480.75	1/4	2,137.58	1/4	1,794.42	1/4	1,451.25	1/4	1,108.08	1/4	779.42	1/4	436.26	1/4	93.15	1/4		1/4	
1/2	2,473.60	1/2	2,130.43	1/2	1,787.27	1/2	1,444.10	1/2	1,100.93	1/2	772.27	1/2	429.11	1/2	86.03	1/2		1/2	
3/4	2,466.45	3/4	2,123.28	3/4	1,780.12	3/4	1,436.95	3/4	1,093.78	3/4	765.12	3/4	421.96	3/4	78.90	3/4		3/4	
10	2,459.30	10	2,116.14	10	1,772.97	10	1,429.80	10	1,086.63	10	757.97	10	414.81	10	71.78	10		10	
1/4	2,452.15	1/4	2,108.99	1/4	1,765.82	1/4	1,422.65	1/4	1,079.48	1/4	750.82	1/4	407.66	1/4	65.09	1/4		1/4	
1/2	2,445.00	1/2	2,101.84	1/2	1,758.67	1/2	1,415.50	1/2	1,072.33	1/2	743.67	1/2	400.51	1/2	58.41	1/2		1/2	
3/4	2,437.85	3/4	2,094.69	3/4	1,751.52	3/4	1,408.35	3/4	1,065.18	3/4	736.52	3/4	393.37	3/4	51.73	3/4		3/4	
11	2,430.70	11	2,087.54	11	1,744.37	11	1,401.21	11	1,058.03	11	729.37	11	386.22	11	45.04	11		11	
1/4	2,423.56	1/4	2,080.39	1/4	1,737.22	1/4	1,394.06	1/4	1,050.88	1/4	722.22	1/4	379.07	1/4	39.68	1/4		1/4	
1/2	2,416.41	1/2	2,073.24	1/2	1,730.07	1/2	1,386.91	1/2	1,043.73	1/2	715.07	1/2	371.92	1/2	34.32	1/2		1/2	
3/4	2,409.26	3/4	2,066.09	3/4	1,722.92	3/4	1,379.76	3/4	1,036.58	3/4	707.93	3/4	364.77	3/4	28.96	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2020 CL  
CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020

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





# BARGE "HSM 3314"

formerly the  
**BARGE "FMT 3314"**

**2 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	5,112.48	0	4,826.52	0	4,484.16	0	4,140.95	0	3,797.02	0	3,453.16	0	3,109.32
1/4		1/4		1/4		1/4	5,110.47	1/4	4,819.38	1/4	4,477.02	1/4	4,133.78	1/4	3,789.85	1/4	3,445.99	1/4	3,102.16
1/2		1/2		1/2		1/2	5,108.46	1/2	4,812.25	1/2	4,469.89	1/2	4,126.62	1/2	3,782.69	1/2	3,438.83	1/2	3,095.00
3/4		3/4		3/4		3/4	5,106.45	3/4	4,805.12	3/4	4,462.76	3/4	4,119.45	3/4	3,775.52	3/4	3,431.67	3/4	3,087.83
1		1		1		1	5,104.44	1	4,797.99	1	4,455.63	1	4,112.29	1	3,768.36	1	3,424.50	1	3,080.67
1/4		1/4		1/4		1/4	5,101.23	1/4	4,790.85	1/4	4,448.49	1/4	4,105.12	1/4	3,761.19	1/4	3,417.34	1/4	3,073.51
1/2		1/2		1/2		1/2	5,098.02	1/2	4,783.72	1/2	4,441.36	1/2	4,097.96	1/2	3,754.03	1/2	3,410.18	1/2	3,066.34
3/4		3/4		3/4		3/4	5,094.82	3/4	4,776.59	3/4	4,434.23	3/4	4,090.79	3/4	3,746.86	3/4	3,403.01	3/4	3,059.18
2		2		2		2	5,091.61	2	4,769.46	2	4,427.10	2	4,083.62	2	3,739.70	2	3,395.85	2	3,052.01
1/4		1/4		1/4		1/4	5,087.21	1/4	4,762.32	1/4	4,419.96	1/4	4,076.46	1/4	3,732.53	1/4	3,388.69	1/4	3,044.85
1/2		1/2		1/2		1/2	5,082.81	1/2	4,755.19	1/2	4,412.83	1/2	4,069.29	1/2	3,725.36	1/2	3,381.52	1/2	3,037.68
3/4		3/4		3/4		3/4	5,078.41	3/4	4,748.06	3/4	4,405.70	3/4	4,062.13	3/4	3,718.20	3/4	3,374.36	3/4	3,030.52
3		3		3		3	5,074.01	3	4,740.93	3	4,398.57	3	4,054.96	3	3,711.03	3	3,367.20	3	3,023.35
1/4		1/4		1/4		1/4	5,068.41	1/4	4,733.79	1/4	4,391.43	1/4	4,047.80	1/4	3,703.87	1/4	3,360.03	1/4	3,016.19
1/2		1/2		1/2		1/2	5,062.82	1/2	4,726.66	1/2	4,384.30	1/2	4,040.63	1/2	3,696.71	1/2	3,352.87	1/2	3,009.02
3/4		3/4		3/4		3/4	5,057.22	3/4	4,719.53	3/4	4,377.17	3/4	4,033.47	3/4	3,689.54	3/4	3,345.71	3/4	3,001.86
4		4		4		4	5,051.63	4	4,712.40	4	4,370.04	4	4,026.30	4	3,682.38	4	3,338.54	4	2,994.69
1/4		1/4		1/4		1/4	5,045.02	1/4	4,705.26	1/4	4,362.90	1/4	4,019.14	1/4	3,675.22	1/4	3,331.38	1/4	2,987.53
1/2		1/2		1/2		1/2	5,038.42	1/2	4,698.13	1/2	4,355.77	1/2	4,011.97	1/2	3,668.05	1/2	3,324.22	1/2	2,980.36
3/4		3/4		3/4		3/4	5,031.81	3/4	4,691.00	3/4	4,348.64	3/4	4,004.81	3/4	3,660.89	3/4	3,317.06	3/4	2,973.20
5		5		5		5	5,025.21	5	4,683.87	5	4,341.51	5	3,997.64	5	3,653.73	5	3,309.89	5	2,966.03
1/4		1/4		1/4		1/4	5,018.16	1/4	4,676.73	1/4	4,334.36	1/4	3,990.48	1/4	3,646.56	1/4	3,302.73	1/4	2,958.87
1/2		1/2		1/2		1/2	5,011.12	1/2	4,669.60	1/2	4,327.21	1/2	3,983.31	1/2	3,639.40	1/2	3,295.57	1/2	2,951.70
3/4		3/4		3/4		3/4	5,004.07	3/4	4,662.47	3/4	4,320.06	3/4	3,976.15	3/4	3,632.24	3/4	3,288.40	3/4	2,944.53
6		6		6		6	4,997.03	6	4,655.34	6	4,312.91	6	3,968.98	6	3,625.07	6	3,281.24	6	2,937.37
1/4		1/4		1/4		1/4	4,989.95	1/4	4,648.20	1/4	4,305.75	1/4	3,961.82	1/4	3,617.91	1/4	3,274.08	1/4	2,930.20
1/2		1/2		1/2		1/2	4,982.87	1/2	4,641.07	1/2	4,298.58	1/2	3,954.65	1/2	3,610.75	1/2	3,266.91	1/2	2,923.04
3/4		3/4		3/4		3/4	4,975.79	3/4	4,633.94	3/4	4,291.42	3/4	3,947.49	3/4	3,603.58	3/4	3,259.75	3/4	2,915.87
7		7		7		7	4,968.71	7	4,626.81	7	4,284.25	7	3,940.32	7	3,596.42	7	3,252.59	7	2,908.71
1/4		1/4		1/4		1/4	4,961.62	1/4	4,619.67	1/4	4,277.09	1/4	3,933.16	1/4	3,589.26	1/4	3,245.42	1/4	2,901.54
1/2		1/2		1/2		1/2	4,954.54	1/2	4,612.54	1/2	4,269.92	1/2	3,925.99	1/2	3,582.09	1/2	3,238.26	1/2	2,894.38
3/4		3/4		3/4		3/4	4,947.45	3/4	4,605.41	3/4	4,262.75	3/4	3,918.83	3/4	3,574.93	3/4	3,231.10	3/4	2,887.21
8		8		8		8	4,940.36	8	4,598.28	8	4,255.59	8	3,911.66	8	3,567.77	8	3,223.93	8	2,880.05
1/4		1/4		1/4		1/4	4,933.28	1/4	4,591.14	1/4	4,248.42	1/4	3,904.49	1/4	3,560.60	1/4	3,216.77	1/4	2,872.88
1/2		1/2		1/2		1/2	4,926.19	1/2	4,584.01	1/2	4,241.26	1/2	3,897.33	1/2	3,553.44	1/2	3,209.61	1/2	2,865.72
3/4		3/4		3/4		3/4	4,919.10	3/4	4,576.88	3/4	4,234.09	3/4	3,890.16	3/4	3,546.28	3/4	3,202.44	3/4	2,858.55
9		9		9		9	4,912.01	9	4,569.75	9	4,226.93	9	3,883.00	9	3,539.11	9	3,195.28	9	2,851.39
1/4		1/4		1/4		1/4	4,904.90	1/4	4,562.61	1/4	4,219.76	1/4	3,875.83	1/4	3,531.95	1/4	3,188.12	1/4	2,844.22
1/2		1/2		1/2		1/2	4,897.80	1/2	4,555.48	1/2	4,212.60	1/2	3,868.67	1/2	3,524.79	1/2	3,180.95	1/2	2,837.06
3/4		3/4		3/4		3/4	4,890.69	3/4	4,548.35	3/4	4,205.43	3/4	3,861.50	3/4	3,517.62	3/4	3,173.79	3/4	2,829.89
10		10		10		10	4,883.58	10	4,541.22	10	4,198.27	10	3,854.34	10	3,510.46	10	3,166.63	10	2,822.73
1/4		1/4		1/4		1/4	4,876.44	1/4	4,534.08	1/4	4,191.10	1/4	3,847.17	1/4	3,503.30	1/4	3,159.46	1/4	2,815.56
1/2		1/2		1/2		1/2	4,869.31	1/2	4,526.95	1/2	4,183.94	1/2	3,840.01	1/2	3,496.14	1/2	3,152.30	1/2	2,808.40
3/4		3/4		3/4		3/4	4,862.18	3/4	4,519.82	3/4	4,176.77	3/4	3,832.84	3/4	3,488.97	3/4	3,145.14	3/4	2,801.23
11		11		11	5,116.21	11	4,855.05	11	4,512.69	11	4,169.61	11	3,825.68	11	3,481.81	11	3,137.98	11	2,794.07
1/4		1/4		1/4	5,115.28	1/4	4,847.91	1/4	4,505.55	1/4	4,162.44	1/4	3,818.51	1/4	3,474.65	1/4	3,130.81	1/4	2,786.90
1/2		1/2		1/2	5,114.35	1/2	4,840.78	1/2	4,498.42	1/2	4,155.28	1/2	3,811.35	1/2	3,467.48	1/2	3,123.65	1/2	2,779.74
3/4		3/4		3/4	5,113.42	3/4	4,833.65	3/4	4,491.29	3/4	4,148.11	3/4	3,804.18	3/4	3,460.32	3/4	3,116.49	3/4	2,772.57

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 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 3314"

formerly the

## BARGE "FMT 3314"

**2 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	2,765.40	0	2,421.48	0	2,077.55	0	1,733.62	0	1,389.69	0	1,045.86	0	702.33	0	358.41	0	23.65	0	
1/4	2,758.24	1/4	2,414.31	1/4	2,070.38	1/4	1,726.45	1/4	1,382.52	1/4	1,038.71	1/4	695.16	1/4	351.25	1/4	20.07	1/4	
1/2	2,751.07	1/2	2,407.14	1/2	2,063.22	1/2	1,719.29	1/2	1,375.36	1/2	1,031.56	1/2	688.00	1/2	344.08	1/2	16.48	1/2	
3/4	2,743.91	3/4	2,399.98	3/4	2,056.05	3/4	1,712.12	3/4	1,368.19	3/4	1,024.41	3/4	680.83	3/4	336.92	3/4	12.90	3/4	
1	2,736.74	1	2,392.81	1	2,048.88	1	1,704.96	1	1,361.03	1	1,017.26	1	673.67	1	329.75	1	9.32	1	
1/4	2,729.58	1/4	2,385.65	1/4	2,041.72	1/4	1,697.79	1/4	1,353.86	1/4	1,010.11	1/4	666.50	1/4	322.59	1/4	7.53	1/4	
1/2	2,722.41	1/2	2,378.48	1/2	2,034.55	1/2	1,690.62	1/2	1,346.70	1/2	1,002.96	1/2	659.34	1/2	315.42	1/2	5.74	1/2	
3/4	2,715.25	3/4	2,371.32	3/4	2,027.39	3/4	1,683.46	3/4	1,339.53	3/4	995.81	3/4	652.17	3/4	308.26	3/4	3.95	3/4	
2	2,708.08	2	2,364.15	2	2,020.22	2	1,676.29	2	1,332.36	2	988.66	2	645.01	2	301.09	2	2.16	2	
1/4	2,700.92	1/4	2,356.99	1/4	2,013.06	1/4	1,669.13	1/4	1,325.20	1/4	981.50	1/4	637.84	1/4	293.93	1/4		1/4	
1/2	2,693.75	1/2	2,349.82	1/2	2,005.89	1/2	1,661.96	1/2	1,318.03	1/2	974.35	1/2	630.68	1/2	286.76	1/2		1/2	
3/4	2,686.59	3/4	2,342.66	3/4	1,998.73	3/4	1,654.80	3/4	1,310.87	3/4	967.20	3/4	623.51	3/4	279.60	3/4		3/4	
3	2,679.42	3	2,335.49	3	1,991.56	3	1,647.63	3	1,303.70	3	960.05	3	616.35	3	272.43	3		3	
1/4	2,672.26	1/4	2,328.33	1/4	1,984.40	1/4	1,640.47	1/4	1,296.54	1/4	952.90	1/4	609.18	1/4	265.27	1/4		1/4	
1/2	2,665.09	1/2	2,321.16	1/2	1,977.23	1/2	1,633.30	1/2	1,289.37	1/2	945.75	1/2	602.02	1/2	258.10	1/2		1/2	
3/4	2,657.93	3/4	2,314.00	3/4	1,970.07	3/4	1,626.14	3/4	1,282.21	3/4	938.60	3/4	594.85	3/4	250.94	3/4		3/4	
4	2,650.76	4	2,306.83	4	1,962.90	4	1,618.97	4	1,275.04	4	931.45	4	587.69	4	243.77	4		4	
1/4	2,643.60	1/4	2,299.67	1/4	1,955.74	1/4	1,611.81	1/4	1,267.88	1/4	924.30	1/4	580.52	1/4	236.61	1/4		1/4	
1/2	2,636.43	1/2	2,292.50	1/2	1,948.57	1/2	1,604.64	1/2	1,260.71	1/2	917.14	1/2	573.36	1/2	229.44	1/2		1/2	
3/4	2,629.27	3/4	2,285.34	3/4	1,941.41	3/4	1,597.48	3/4	1,253.55	3/4	909.99	3/4	566.19	3/4	222.28	3/4		3/4	
5	2,622.10	5	2,278.17	5	1,934.24	5	1,590.31	5	1,246.38	5	902.84	5	559.03	5	215.11	5		5	
1/4	2,614.94	1/4	2,271.01	1/4	1,927.08	1/4	1,583.15	1/4	1,239.22	1/4	895.69	1/4	551.86	1/4	207.95	1/4		1/4	
1/2	2,607.77	1/2	2,263.84	1/2	1,919.91	1/2	1,575.98	1/2	1,232.05	1/2	888.54	1/2	544.70	1/2	200.78	1/2		1/2	
3/4	2,600.61	3/4	2,256.68	3/4	1,912.75	3/4	1,568.82	3/4	1,224.89	3/4	881.39	3/4	537.53	3/4	193.62	3/4		3/4	
6	2,593.44	6	2,249.51	6	1,905.58	6	1,561.65	6	1,217.72	6	874.24	6	530.37	6	186.45	6		6	
1/4	2,586.27	1/4	2,242.35	1/4	1,898.42	1/4	1,554.49	1/4	1,210.56	1/4	867.08	1/4	523.20	1/4	179.29	1/4		1/4	
1/2	2,579.11	1/2	2,235.18	1/2	1,891.25	1/2	1,547.32	1/2	1,203.39	1/2	859.93	1/2	516.04	1/2	172.12	1/2		1/2	
3/4	2,571.94	3/4	2,228.01	3/4	1,884.09	3/4	1,540.16	3/4	1,196.23	3/4	852.77	3/4	508.87	3/4	164.96	3/4		3/4	
7	2,564.78	7	2,220.85	7	1,876.92	7	1,532.99	7	1,189.06	7	845.62	7	501.71	7	157.79	7		7	
1/4	2,557.61	1/4	2,213.68	1/4	1,869.75	1/4	1,525.83	1/4	1,181.90	1/4	838.46	1/4	494.54	1/4	150.63	1/4		1/4	
1/2	2,550.45	1/2	2,206.52	1/2	1,862.59	1/2	1,518.66	1/2	1,174.73	1/2	831.29	1/2	487.38	1/2	143.46	1/2		1/2	
3/4	2,543.28	3/4	2,199.35	3/4	1,855.42	3/4	1,511.49	3/4	1,167.57	3/4	824.13	3/4	480.21	3/4	136.30	3/4		3/4	
8	2,536.12	8	2,192.19	8	1,848.26	8	1,504.33	8	1,160.40	8	816.96	8	473.05	8	129.14	8		8	
1/4	2,528.95	1/4	2,185.02	1/4	1,841.09	1/4	1,497.16	1/4	1,153.23	1/4	809.80	1/4	465.88	1/4	121.98	1/4		1/4	
1/2	2,521.79	1/2	2,177.86	1/2	1,833.93	1/2	1,490.00	1/2	1,146.07	1/2	802.63	1/2	458.72	1/2	114.82	1/2		1/2	
3/4	2,514.62	3/4	2,170.69	3/4	1,826.76	3/4	1,482.83	3/4	1,138.90	3/4	795.47	3/4	451.55	3/4	107.66	3/4		3/4	
9	2,507.46	9	2,163.53	9	1,819.60	9	1,475.67	9	1,131.74	9	788.30	9	444.39	9	100.50	9		9	
1/4	2,500.29	1/4	2,156.36	1/4	1,812.43	1/4	1,468.50	1/4	1,124.58	1/4	781.14	1/4	437.22	1/4	93.36	1/4		1/4	
1/2	2,493.13	1/2	2,149.20	1/2	1,805.27	1/2	1,461.34	1/2	1,117.41	1/2	773.97	1/2	430.06	1/2	86.22	1/2		1/2	
3/4	2,485.96	3/4	2,142.03	3/4	1,798.10	3/4	1,454.17	3/4	1,110.25	3/4	766.81	3/4	422.89	3/4	79.08	3/4		3/4	
10	2,478.80	10	2,134.87	10	1,790.94	10	1,447.01	10	1,103.09	10	759.64	10	415.73	10	71.93	10		10	
1/4	2,471.63	1/4	2,127.70	1/4	1,783.77	1/4	1,439.84	1/4	1,095.93	1/4	752.48	1/4	408.56	1/4	65.24	1/4		1/4	
1/2	2,464.47	1/2	2,120.54	1/2	1,776.61	1/2	1,432.68	1/2	1,088.78	1/2	745.32	1/2	401.40	1/2	58.54	1/2		1/2	
3/4	2,457.30	3/4	2,113.37	3/4	1,769.44	3/4	1,425.51	3/4	1,081.62	3/4	738.15	3/4	394.23	3/4	51.84	3/4		3/4	
11	2,450.14	11	2,106.21	11	1,762.28	11	1,418.35	11	1,074.47	11	730.99	11	387.07	11	45.14	11		11	
1/4	2,442.97	1/4	2,099.04	1/4	1,755.11	1/4	1,411.18	1/4	1,067.32	1/4	723.82	1/4	379.91	1/4	39.77	1/4		1/4	
1/2	2,435.81	1/2	2,091.88	1/2	1,747.95	1/2	1,404.02	1/2	1,060.17	1/2	716.66	1/2	372.74	1/2	34.39	1/2		1/2	
3/4	2,428.64	3/4	2,084.71	3/4	1,740.78	3/4	1,396.85	3/4	1,053.02	3/4	709.49	3/4	365.58	3/4	29.02	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 07/30/2020 CL  
PRINTED: 07/30/2020 JS

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<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020





# BARGE "HSM 3314"

Formerly the

# BARGE "FMT 3314"

## 3 PORT ULLAGE TABLE

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,389.62	0	4,223.75	0	4,015.24	0	3,806.25	0	3,596.83	0	3,387.93	0	3,078.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,388.54	1/4	4,219.40	1/4	4,010.90	1/4	3,801.89	1/4	3,592.47	1/4	3,383.58	1/4	3,070.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,386.84	1/2	4,215.06	1/2	4,006.55	1/2	3,797.53	1/2	3,588.10	1/2	3,379.24	1/2	3,063.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.13	3/4	4,210.71	3/4	4,002.21	3/4	3,793.17	3/4	3,583.74	3/4	3,374.90	3/4	3,056.74		
1	1	1	1	1	1	1	4,206.37	1	4,097.86	1	3,993.86	1	3,788.80	1	3,579.38	1	3,370.56	1	3,049.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.72	1/4	4,202.03	1/4	3,993.52	1/4	3,784.44	1/4	3,575.02	1/4	3,366.23	1/4	3,042.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.02	1/2	4,197.68	1/2	3,989.18	1/2	3,780.08	1/2	3,570.65	1/2	3,361.90	1/2	3,035.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,378.31	3/4	4,193.34	3/4	3,984.83	3/4	3,775.71	3/4	3,566.29	3/4	3,357.57	3/4	3,028.32		
2	2	2	2	2	2	2	4,376.61	2	4,189.00	2	3,980.49	2	3,771.35	2	3,561.93	2	3,353.24	2	3,021.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.91	1/4	4,184.65	1/4	3,976.14	1/4	3,766.99	1/4	3,557.56	1/4	3,348.91	1/4	3,014.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.93	1/2	4,180.31	1/2	3,971.80	1/2	3,762.62	1/2	3,553.20	1/2	3,343.20	1/2	3,006.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.96	3/4	4,175.96	3/4	3,967.46	3/4	3,758.26	3/4	3,548.84	3/4	3,337.50	3/4	2,999.87		
3	3	3	3	3	3	3	4,368.99	3	4,171.62	3	3,963.11	3	3,753.90	3	3,544.47	3	3,333.79	3	2,992.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.02	1/4	4,167.28	1/4	3,958.77	1/4	3,749.54	1/4	3,540.11	1/4	3,326.08	1/4	2,985.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.18	1/2	4,162.93	1/2	3,954.42	1/2	3,745.17	1/2	3,535.76	1/2	3,319.00	1/2	2,978.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.35	3/4	4,158.59	3/4	3,950.08	3/4	3,740.81	3/4	3,531.40	3/4	3,311.91	3/4	2,971.40		
4	4	4	4	4	4	4	4,358.52	4	4,154.24	4	3,945.74	4	3,736.45	4	3,527.04	4	3,304.82	4	2,964.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.68	1/4	4,149.90	1/4	3,941.39	1/4	3,732.08	1/4	3,522.69	1/4	3,297.74	1/4	2,957.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.85	1/2	4,145.56	1/2	3,937.05	1/2	3,727.72	1/2	3,518.34	1/2	3,290.65	1/2	2,950.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.01	3/4	4,141.21	3/4	3,932.71	3/4	3,723.36	3/4	3,513.99	3/4	3,283.57	3/4	2,942.93		
5	5	5	5	5	5	5	4,344.17	5	4,136.87	5	3,928.36	5	3,718.99	5	3,509.65	5	3,276.48	5	2,935.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.33	1/4	4,132.52	1/4	3,924.02	1/4	3,714.63	1/4	3,505.30	1/4	3,271.40	1/4	2,928.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.06	1/2	4,128.18	1/2	3,919.66	1/2	3,710.27	1/2	3,500.95	1/2	3,262.31	1/2	2,921.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.78	3/4	4,123.84	3/4	3,915.31	3/4	3,705.91	3/4	3,496.61	3/4	3,255.23	3/4	2,914.47		
6	6	6	6	6	6	6	4,327.51	6	4,119.49	6	3,910.96	6	3,701.54	6	3,492.26	6	3,248.14	6	2,907.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.23	1/4	4,115.15	1/4	3,906.60	1/4	3,697.18	1/4	3,487.91	1/4	3,241.06	1/4	2,900.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,318.93	1/2	4,110.80	1/2	3,902.24	1/2	3,692.82	1/2	3,483.56	1/2	3,233.97	1/2	2,893.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.62	3/4	4,106.46	3/4	3,897.88	3/4	3,688.45	3/4	3,479.22	3/4	3,226.89	3/4	2,886.04		
7	7	7	7	7	7	7	4,310.31	7	4,102.12	7	3,893.51	7	3,684.09	7	3,474.87	7	3,219.81	7	2,878.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.00	1/4	4,097.77	1/4	3,889.15	1/4	3,679.73	1/4	3,470.52	1/4	3,212.72	1/4	2,871.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,301.69	1/2	4,093.43	1/2	3,884.79	1/2	3,675.36	1/2	3,466.18	1/2	3,205.64	1/2	2,864.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.37	3/4	4,089.09	3/4	3,880.43	3/4	3,671.00	3/4	3,461.83	3/4	3,198.56	3/4	2,857.62		
8	8	8	8	8	8	8	4,293.06	8	4,084.74	8	3,876.06	8	3,666.64	8	3,457.48	8	3,191.47	8	2,850.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,288.74	1/4	4,080.40	1/4	3,871.70	1/4	3,662.28	1/4	3,453.13	1/4	3,184.39	1/4	2,843.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.43	1/2	4,076.05	1/2	3,867.34	1/2	3,657.91	1/2	3,448.79	1/2	3,177.30	1/2	2,836.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.11	3/4	4,071.71	3/4	3,862.97	3/4	3,653.55	3/4	3,444.44	3/4	3,170.22	3/4	2,829.20		
9	9	9	9	9	9	9	4,275.79	9	4,067.37	9	3,858.61	9	3,649.19	9	3,440.09	9	3,163.14	9	2,822.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.48	1/4	4,063.02	1/4	3,854.25	1/4	3,644.82	1/4	3,435.75	1/4	3,156.05	1/4	2,814.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,267.15	1/2	4,058.68	1/2	3,849.88	1/2	3,640.46	1/2	3,431.40	1/2	3,148.97	1/2	2,807.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,262.82	3/4	4,054.33	3/4	3,845.52	3/4	3,636.10	3/4	3,427.05	3/4	3,141.88	3/4	2,800.78		
10	10	10	10	10	10	10	4,258.48	10	4,049.99	10	3,841.16	10	3,631.73	10	3,422.70	10	3,134.80	10	2,793.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,254.15	1/4	4,045.65	1/4	3,836.80	1/4	3,627.37	1/4	3,418.36	1/4	3,127.72	1/4	2,786.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,249.81	1/2	4,041.30	1/2	3,832.43	1/2	3,623.01	1/2	3,414.01	1/2	3,120.62	1/2	2,779.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.47	3/4	4,036.96	3/4	3,828.07	3/4	3,618.65	3/4	3,409.66	3/4	3,113.53	3/4	2,772.36		
11	11	11	11	11	11	11	4,241.12	11	4,032.61	11	3,823.71	11	3,614.28	11	3,405.31	11	3,106.44	11	2,765.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,392.84	1/4	4,236.78	1/4	4,028.27	1/4	3,819.34	1/4	3,609.92	1/4	3,400.97	1/4	3,099.35	1/4	2,758.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.77	1/2	4,232.43	1/2	4,023.93	1/2	3,814.98	1/2	3,605.56	1/2	3,396.62	1/2	3,092.24	1/2	2,751.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.69	3/4	4,228.09	3/4	4,019.58	3/4	3,810.62	3/4	3,601.19	3/4	3,392.27	3/4	3,085.14	3/4	2,743.93

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 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.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3314"

formerly the  
BARGE "FMT 3314"

## 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	2,736.83	0	2,395.77	0	2,054.67	0	1,713.58	0	1,372.48	0	1,035.05	0	704.41	0	363.23	0	28.84	0	
1/4	2,729.72	1/4	2,388.66	1/4	2,047.57	1/4	1,706.47	1/4	1,365.37	1/4	1,028.26	1/4	697.30	1/4	356.12	1/4	23.50	1/4	
1/2	2,722.62	1/2	2,381.56	1/2	2,040.46	1/2	1,699.36	1/2	1,358.27	1/2	1,021.46	1/2	690.20	1/2	349.00	1/2	19.94	1/2	
3/4	2,715.51	3/4	2,374.45	3/4	2,033.35	3/4	1,692.26	3/4	1,351.16	3/4	1,014.66	3/4	683.09	3/4	341.88	3/4	16.38	3/4	
1	2,708.41	1	2,367.35	1	2,026.25	1	1,685.15	1	1,344.05	1	1,007.86	1	675.98	1	334.76	1	12.82	1	
1/4	2,701.30	1/4	2,360.24	1/4	2,019.14	1/4	1,678.04	1/4	1,336.95	1/4	1,001.07	1/4	668.87	1/4	327.64	1/4	9.26	1/4	
1/2	2,694.20	1/2	2,353.13	1/2	2,012.04	1/2	1,670.94	1/2	1,329.84	1/2	994.27	1/2	661.77	1/2	320.52	1/2	7.48	1/2	
3/4	2,687.09	3/4	2,346.03	3/4	2,004.93	3/4	1,663.83	3/4	1,322.73	3/4	987.47	3/4	654.66	3/4	313.41	3/4	5.70	3/4	
2	2,679.99	2	2,338.92	2	1,997.82	2	1,656.73	2	1,315.63	2	980.68	2	647.55	2	306.29	2	3.92	2	
1/4	2,672.88	1/4	2,331.82	1/4	1,990.72	1/4	1,649.62	1/4	1,308.52	1/4	973.88	1/4	640.44	1/4	299.17	1/4	2.15	1/4	
1/2	2,665.78	1/2	2,324.71	1/2	1,983.61	1/2	1,642.51	1/2	1,301.42	1/2	967.08	1/2	633.34	1/2	292.05	1/2		1/2	
3/4	2,658.67	3/4	2,317.60	3/4	1,976.51	3/4	1,635.41	3/4	1,294.31	3/4	960.28	3/4	626.23	3/4	284.93	3/4		3/4	
3	2,651.57	3	2,310.50	3	1,969.40	3	1,628.30	3	1,287.20	3	953.49	3	619.12	3	277.81	3		3	
1/4	2,644.46	1/4	2,303.39	1/4	1,962.29	1/4	1,621.20	1/4	1,280.10	1/4	946.69	1/4	612.01	1/4	270.69	1/4		1/4	
1/2	2,637.36	1/2	2,296.28	1/2	1,955.19	1/2	1,614.09	1/2	1,272.99	1/2	939.89	1/2	604.91	1/2	263.57	1/2		1/2	
3/4	2,630.25	3/4	2,289.18	3/4	1,948.08	3/4	1,606.98	3/4	1,265.89	3/4	933.09	3/4	597.80	3/4	256.45	3/4		3/4	
4	2,623.14	4	2,282.07	4	1,940.97	4	1,599.88	4	1,258.78	4	926.30	4	590.69	4	249.33	4		4	
1/4	2,616.04	1/4	2,274.97	1/4	1,933.87	1/4	1,592.77	1/4	1,251.67	1/4	919.50	1/4	583.58	1/4	242.21	1/4		1/4	
1/2	2,608.93	1/2	2,267.86	1/2	1,926.76	1/2	1,585.66	1/2	1,244.57	1/2	912.70	1/2	576.48	1/2	235.10	1/2		1/2	
3/4	2,601.83	3/4	2,260.75	3/4	1,919.66	3/4	1,578.56	3/4	1,237.46	3/4	905.91	3/4	569.37	3/4	227.98	3/4		3/4	
5	2,594.72	5	2,253.65	5	1,912.55	5	1,571.45	5	1,230.35	5	899.11	5	562.26	5	220.86	5		5	
1/4	2,587.62	1/4	2,246.54	1/4	1,905.44	1/4	1,564.35	1/4	1,223.25	1/4	892.31	1/4	555.15	1/4	213.74	1/4		1/4	
1/2	2,580.51	1/2	2,239.43	1/2	1,898.34	1/2	1,557.24	1/2	1,216.14	1/2	885.52	1/2	548.05	1/2	206.62	1/2		1/2	
3/4	2,573.41	3/4	2,232.33	3/4	1,891.23	3/4	1,550.13	3/4	1,209.04	3/4	878.72	3/4	540.94	3/4	199.50	3/4		3/4	
6	2,566.30	6	2,225.22	6	1,884.12	6	1,543.03	6	1,201.93	6	871.92	6	533.83	6	192.38	6		6	
1/4	2,559.20	1/4	2,218.12	1/4	1,877.02	1/4	1,535.92	1/4	1,194.82	1/4	865.12	1/4	526.72	1/4	185.26	1/4		1/4	
1/2	2,552.09	1/2	2,211.01	1/2	1,869.91	1/2	1,528.81	1/2	1,187.72	1/2	858.32	1/2	519.62	1/2	178.14	1/2		1/2	
3/4	2,544.99	3/4	2,203.90	3/4	1,862.81	3/4	1,521.71	3/4	1,180.61	3/4	851.52	3/4	512.51	3/4	171.02	3/4		3/4	
7	2,537.88	7	2,196.80	7	1,855.70	7	1,514.60	7	1,173.50	7	844.72	7	505.40	7	163.90	7		7	
1/4	2,530.78	1/4	2,189.69	1/4	1,848.59	1/4	1,507.50	1/4	1,166.40	1/4	837.92	1/4	498.29	1/4	156.79	1/4		1/4	
1/2	2,523.67	1/2	2,182.59	1/2	1,841.49	1/2	1,500.39	1/2	1,159.29	1/2	831.08	1/2	491.19	1/2	149.67	1/2		1/2	
3/4	2,516.57	3/4	2,175.48	3/4	1,834.38	3/4	1,493.28	3/4	1,152.19	3/4	824.24	3/4	484.08	3/4	142.55	3/4		3/4	
8	2,509.46	8	2,168.37	8	1,827.28	8	1,486.18	8	1,145.08	8	817.40	8	476.97	8	135.43	8		8	
1/4	2,502.35	1/4	2,161.27	1/4	1,820.17	1/4	1,479.07	1/4	1,137.97	1/4	810.56	1/4	469.86	1/4	128.31	1/4		1/4	
1/2	2,495.25	1/2	2,154.16	1/2	1,813.06	1/2	1,471.97	1/2	1,130.86	1/2	803.57	1/2	462.76	1/2	121.20	1/2		1/2	
3/4	2,488.15	3/4	2,147.05	3/4	1,805.96	3/4	1,464.86	3/4	1,123.75	3/4	796.57	3/4	455.65	3/4	114.09	3/4		3/4	
9	2,481.04	9	2,139.95	9	1,798.85	9	1,457.75	9	1,117.00	9	789.58	9	448.54	9	106.97	9		9	
1/4	2,473.94	1/4	2,132.84	1/4	1,791.74	1/4	1,450.65	1/4	1,110.01	1/4	782.59	1/4	441.43	1/4	99.86	1/4		1/4	
1/2	2,466.83	1/2	2,125.74	1/2	1,784.64	1/2	1,443.54	1/2	1,103.17	1/2	775.49	1/2	434.33	1/2	92.76	1/2		1/2	
3/4	2,459.73	3/4	2,118.63	3/4	1,777.53	3/4	1,436.43	3/4	1,096.33	3/4	768.38	3/4	427.22	3/4	85.67	3/4		3/4	
10	2,452.62	10	2,111.52	10	1,770.43	10	1,429.33	10	1,089.49	10	761.27	10	420.11	10	78.57	10		10	
1/4	2,445.51	1/4	2,104.42	1/4	1,763.32	1/4	1,422.22	1/4	1,082.65	1/4	754.16	1/4	413.00	1/4	71.48	1/4		1/4	
1/2	2,438.41	1/2	2,097.31	1/2	1,756.21	1/2	1,415.12	1/2	1,075.85	1/2	747.06	1/2	405.90	1/2	64.82	1/2		1/2	
3/4	2,431.30	3/4	2,090.20	3/4	1,749.11	3/4	1,408.01	3/4	1,069.05	3/4	739.95	3/4	398.79	3/4	58.17	3/4		3/4	
11	2,424.20	11	2,083.10	11	1,742.00	11	1,400.90	11	1,062.25	11	732.84	11	391.68	11	51.51	11		11	
1/4	2,417.09	1/4	2,075.99	1/4	1,734.89	1/4	1,393.80	1/4	1,055.45	1/4	725.73	1/4	384.57	1/4	44.85	1/4		1/4	
1/2	2,409.98	1/2	2,068.89	1/2	1,727.79	1/2	1,386.69	1/2	1,048.65	1/2	718.63	1/2	377.46	1/2	39.52	1/2		1/2	
3/4	2,402.88	3/4	2,061.78	3/4	1,720.68	3/4	1,379.58	3/4	1,041.85	3/4	711.52	3/4	370.35	3/4	34.18	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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& ANALYSIS, INC.  
P.O. Box 2092  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2020











**BARGE "HSM 3314"**  
formerly the  
**BARGE "FMT 3314"**

**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	2,757.89	0	2,415.16	0	2,072.13	0	1,729.10	0	1,386.07	0	1,043.14	0	700.51	0	357.48	0	23.59	0	
1/4	2,750.76	1/4	2,408.02	1/4	2,064.98	1/4	1,721.95	1/4	1,378.92	1/4	1,036.01	1/4	693.36	1/4	350.34	1/4	20.02	1/4	
1/2	2,743.63	1/2	2,400.87	1/2	2,057.84	1/2	1,714.81	1/2	1,371.77	1/2	1,028.88	1/2	686.21	1/2	343.19	1/2	16.45	1/2	
3/4	2,736.50	3/4	2,393.72	3/4	2,050.69	3/4	1,707.66	3/4	1,364.63	3/4	1,021.74	3/4	679.07	3/4	336.04	3/4	12.87	3/4	
1	2,729.37	1	2,386.58	1	2,043.54	1	1,700.51	1	1,357.48	1	1,014.61	1	671.92	1	328.90	1	9.30	1	
1/4	2,722.24	1/4	2,379.43	1/4	2,036.40	1/4	1,693.37	1/4	1,350.33	1/4	1,007.48	1/4	664.77	1/4	321.75	1/4	7.51	1/4	
1/2	2,715.12	1/2	2,372.28	1/2	2,029.25	1/2	1,686.22	1/2	1,343.19	1/2	1,000.35	1/2	657.63	1/2	314.61	1/2	5.73	1/2	
3/4	2,707.99	3/4	2,365.14	3/4	2,022.11	3/4	1,679.07	3/4	1,336.04	3/4	993.21	3/4	650.48	3/4	307.46	3/4	3.94	3/4	
2	2,700.86	2	2,357.99	2	2,014.96	2	1,671.93	2	1,328.89	2	986.08	2	643.33	2	300.31	2	2.15	2	
1/4	2,693.73	1/4	2,350.84	1/4	2,007.81	1/4	1,664.78	1/4	1,321.75	1/4	978.95	1/4	636.19	1/4	293.17	1/4		1/4	
1/2	2,686.60	1/2	2,343.70	1/2	2,000.67	1/2	1,657.63	1/2	1,314.60	1/2	971.82	1/2	629.04	1/2	286.02	1/2		1/2	
3/4	2,679.47	3/4	2,336.55	3/4	1,993.52	3/4	1,650.49	3/4	1,307.46	3/4	964.68	3/4	621.90	3/4	278.87	3/4		3/4	
3	2,672.35	3	2,329.40	3	1,986.37	3	1,643.34	3	1,300.31	3	957.55	3	614.75	3	271.73	3		3	
1/4	2,665.22	1/4	2,322.26	1/4	1,979.23	1/4	1,636.19	1/4	1,293.16	1/4	950.42	1/4	607.60	1/4	264.58	1/4		1/4	
1/2	2,658.09	1/2	2,315.11	1/2	1,972.08	1/2	1,629.05	1/2	1,286.02	1/2	943.29	1/2	600.46	1/2	257.43	1/2		1/2	
3/4	2,650.96	3/4	2,307.97	3/4	1,964.93	3/4	1,621.90	3/4	1,278.87	3/4	936.16	3/4	593.31	3/4	250.29	3/4		3/4	
4	2,643.83	4	2,300.82	4	1,957.79	4	1,614.75	4	1,271.72	4	929.02	4	586.16	4	243.14	4		4	
1/4	2,636.70	1/4	2,293.67	1/4	1,950.64	1/4	1,607.61	1/4	1,264.58	1/4	921.89	1/4	579.02	1/4	236.00	1/4		1/4	
1/2	2,629.56	1/2	2,286.53	1/2	1,943.49	1/2	1,600.46	1/2	1,257.43	1/2	914.76	1/2	571.87	1/2	228.85	1/2		1/2	
3/4	2,622.42	3/4	2,279.38	3/4	1,936.35	3/4	1,593.32	3/4	1,250.28	3/4	907.63	3/4	564.73	3/4	221.70	3/4		3/4	
5	2,615.28	5	2,272.23	5	1,929.20	5	1,586.17	5	1,243.14	5	900.49	5	557.58	5	214.56	5		5	
1/4	2,608.14	1/4	2,265.09	1/4	1,922.05	1/4	1,579.02	1/4	1,235.99	1/4	893.36	1/4	550.43	1/4	207.41	1/4		1/4	
1/2	2,600.99	1/2	2,257.94	1/2	1,914.91	1/2	1,571.88	1/2	1,228.84	1/2	886.23	1/2	543.29	1/2	200.26	1/2		1/2	
3/4	2,593.84	3/4	2,250.79	3/4	1,907.76	3/4	1,564.73	3/4	1,221.70	3/4	879.10	3/4	536.14	3/4	193.12	3/4		3/4	
6	2,586.69	6	2,243.65	6	1,900.61	6	1,557.58	6	1,214.55	6	871.96	6	528.99	6	185.97	6		6	
1/4	2,579.55	1/4	2,236.50	1/4	1,893.47	1/4	1,550.44	1/4	1,207.40	1/4	864.83	1/4	521.85	1/4	178.83	1/4		1/4	
1/2	2,572.40	1/2	2,229.35	1/2	1,886.32	1/2	1,543.29	1/2	1,200.26	1/2	857.69	1/2	514.70	1/2	171.68	1/2		1/2	
3/4	2,565.25	3/4	2,222.21	3/4	1,879.18	3/4	1,536.14	3/4	1,193.11	3/4	850.56	3/4	507.56	3/4	164.53	3/4		3/4	
7	2,558.10	7	2,215.06	7	1,872.03	7	1,529.00	7	1,185.96	7	843.42	7	500.41	7	157.39	7		7	
1/4	2,550.96	1/4	2,207.91	1/4	1,864.88	1/4	1,521.85	1/4	1,178.82	1/4	836.28	1/4	493.26	1/4	150.24	1/4		1/4	
1/2	2,543.81	1/2	2,200.77	1/2	1,857.74	1/2	1,514.70	1/2	1,171.67	1/2	829.13	1/2	486.12	1/2	143.10	1/2		1/2	
3/4	2,536.66	3/4	2,193.62	3/4	1,850.59	3/4	1,507.56	3/4	1,164.53	3/4	821.99	3/4	478.97	3/4	135.95	3/4		3/4	
8	2,529.51	8	2,186.47	8	1,843.44	8	1,500.41	8	1,157.38	8	814.85	8	471.82	8	128.80	8		8	
1/4	2,522.37	1/4	2,179.33	1/4	1,836.30	1/4	1,493.26	1/4	1,150.23	1/4	807.70	1/4	464.68	1/4	121.66	1/4		1/4	
1/2	2,515.22	1/2	2,172.18	1/2	1,829.15	1/2	1,486.12	1/2	1,143.09	1/2	800.55	1/2	457.53	1/2	114.52	1/2		1/2	
3/4	2,508.07	3/4	2,165.04	3/4	1,822.00	3/4	1,478.97	3/4	1,135.94	3/4	793.41	3/4	450.38	3/4	107.38	3/4		3/4	
9	2,500.92	9	2,157.89	9	1,814.86	9	1,471.82	9	1,128.79	9	786.26	9	443.24	9	100.24	9		9	
1/4	2,493.77	1/4	2,150.74	1/4	1,807.71	1/4	1,464.68	1/4	1,121.65	1/4	779.11	1/4	436.09	1/4	93.12	1/4		1/4	
1/2	2,486.63	1/2	2,143.60	1/2	1,800.56	1/2	1,457.53	1/2	1,114.51	1/2	771.97	1/2	428.95	1/2	86.00	1/2		1/2	
3/4	2,479.48	3/4	2,136.45	3/4	1,793.42	3/4	1,450.39	3/4	1,107.36	3/4	764.82	3/4	421.80	3/4	78.87	3/4		3/4	
10	2,472.33	10	2,129.30	10	1,786.27	10	1,443.24	10	1,100.22	10	757.68	10	414.65	10	71.75	10		10	
1/4	2,465.19	1/4	2,122.16	1/4	1,779.12	1/4	1,436.09	1/4	1,093.08	1/4	750.53	1/4	407.51	1/4	65.07	1/4		1/4	
1/2	2,458.04	1/2	2,115.01	1/2	1,771.98	1/2	1,428.95	1/2	1,085.95	1/2	743.38	1/2	400.36	1/2	58.39	1/2		1/2	
3/4	2,450.90	3/4	2,107.86	3/4	1,764.83	3/4	1,421.80	3/4	1,078.81	3/4	736.24	3/4	393.21	3/4	51.71	3/4		3/4	
11	2,443.75	11	2,100.72	11	1,757.68	11	1,414.65	11	1,071.67	11	729.09	11	386.07	11	45.03	11		11	
1/4	2,436.60	1/4	2,093.57	1/4	1,750.54	1/4	1,407.51	1/4	1,064.54	1/4	721.94	1/4	378.92	1/4	39.67	1/4		1/4	
1/2	2,429.46	1/2	2,086.42	1/2	1,743.39	1/2	1,400.36	1/2	1,057.41	1/2	714.80	1/2	371.78	1/2	34.31	1/2		1/2	
3/4	2,422.31	3/4	2,079.28	3/4	1,736.25	3/4	1,393.21	3/4	1,050.27	3/4	707.65	3/4	364.63	3/4	28.95	3/4		3/4	

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