



# BARGE "HSM 3038"

## INNAGE TRIM TABLE 8" GAUGE 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 5, 2020

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

<http://www.pmacorp.net>



# BARGE "HSM 3038"

## INNAGE TRIM TABLE "MMC" GAUGE

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	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
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 5, 2020

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# BARGE "HSM 3038"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	386	0	13,271	0	28,219	0	43,263	0	58,246	0	73,248	0	88,292	0	103,337	0	118,377	0	133,416
1/4	563	1/4	13,573	1/4	28,532	1/4	43,576	1/4	58,557	1/4	73,561	1/4	88,606	1/4	103,651	1/4	118,691	1/4	133,729
1/2	740	1/2	13,874	1/2	28,845	1/2	43,890	1/2	58,868	1/2	73,874	1/2	88,919	1/2	103,964	1/2	119,004	1/2	134,042
3/4	917	3/4	14,176	3/4	29,159	3/4	44,203	3/4	59,179	3/4	74,188	3/4	89,233	3/4	104,277	3/4	119,317	3/4	134,355
1	1,094	1	14,478	1	29,472	1	44,517	1	59,490	1	74,501	1	89,546	1	104,591	1	119,630	1	134,669
1/4	1,334	1/4	14,784	1/4	29,786	1/4	44,830	1/4	59,801	1/4	74,815	1/4	89,859	1/4	104,904	1/4	119,944	1/4	134,982
1/2	1,573	1/2	15,089	1/2	30,099	1/2	45,143	1/2	60,112	1/2	75,128	1/2	90,173	1/2	105,218	1/2	120,257	1/2	135,295
3/4	1,812	3/4	15,395	3/4	30,413	3/4	45,457	3/4	60,423	3/4	75,442	3/4	90,486	3/4	105,531	3/4	120,570	3/4	135,609
2	2,051	2	15,701	2	30,726	2	45,770	2	60,734	2	75,755	2	90,800	2	105,845	2	120,884	2	135,922
1/4	2,313	1/4	16,010	1/4	31,039	1/4	46,084	1/4	61,045	1/4	76,068	1/4	91,113	1/4	106,158	1/4	121,197	1/4	136,235
1/2	2,575	1/2	16,320	1/2	31,353	1/2	46,397	1/2	61,356	1/2	76,382	1/2	91,427	1/2	106,471	1/2	121,510	1/2	136,549
3/4	2,837	3/4	16,630	3/4	31,666	3/4	46,711	3/4	61,667	3/4	76,695	3/4	91,740	3/4	106,785	3/4	121,824	3/4	136,862
3	3,100	3	16,939	3	31,980	3	47,024	3	61,978	3	77,009	3	92,054	3	107,098	3	122,137	3	137,175
1/4	3,367	1/4	17,252	1/4	32,293	1/4	47,337	1/4	62,290	1/4	77,322	1/4	92,367	1/4	107,412	1/4	122,450	1/4	137,488
1/2	3,633	1/2	17,564	1/2	32,606	1/2	47,651	1/2	62,601	1/2	77,636	1/2	92,680	1/2	107,725	1/2	122,763	1/2	137,802
3/4	3,900	3/4	17,877	3/4	32,920	3/4	47,964	3/4	62,912	3/4	77,949	3/4	92,994	3/4	108,038	3/4	123,077	3/4	138,115
4	4,167	4	18,189	4	33,233	4	48,278	4	63,223	4	78,262	4	93,307	4	108,352	4	123,390	4	138,428
1/4	4,438	1/4	18,502	1/4	33,547	1/4	48,590	1/4	63,536	1/4	78,576	1/4	93,621	1/4	108,665	1/4	123,703	1/4	138,742
1/2	4,709	1/2	18,816	1/2	33,860	1/2	48,903	1/2	63,848	1/2	78,889	1/2	93,934	1/2	108,978	1/2	124,017	1/2	139,055
3/4	4,980	3/4	19,129	3/4	34,174	3/4	49,216	3/4	64,160	3/4	79,203	3/4	94,248	3/4	109,292	3/4	124,330	3/4	139,368
5	5,251	5	19,443	5	34,487	5	49,528	5	64,472	5	79,516	5	94,561	5	109,605	5	124,643	5	139,682
1/4	5,526	1/4	19,756	1/4	34,800	1/4	49,840	1/4	64,785	1/4	79,830	1/4	94,874	1/4	109,918	1/4	124,957	1/4	139,995
1/2	5,801	1/2	20,070	1/2	35,114	1/2	50,152	1/2	65,099	1/2	80,143	1/2	95,188	1/2	110,232	1/2	125,270	1/2	140,308
3/4	6,076	3/4	20,383	3/4	35,427	3/4	50,464	3/4	65,412	3/4	80,456	3/4	95,501	3/4	110,545	3/4	125,583	3/4	140,621
6	6,350	6	20,696	6	35,741	6	50,776	6	65,725	6	80,770	6	95,815	6	110,858	6	125,896	6	140,935
1/4	6,629	1/4	21,010	1/4	36,054	1/4	51,088	1/4	66,039	1/4	81,083	1/4	96,128	1/4	111,171	1/4	126,210	1/4	141,248
1/2	6,908	1/2	21,323	1/2	36,368	1/2	51,400	1/2	66,352	1/2	81,397	1/2	96,442	1/2	111,485	1/2	126,523	1/2	141,561
3/4	7,186	3/4	21,637	3/4	36,681	3/4	51,712	3/4	66,665	3/4	81,710	3/4	96,755	3/4	111,798	3/4	126,836	3/4	141,875
7	7,465	7	21,950	7	36,994	7	52,023	7	66,979	7	82,024	7	97,068	7	112,111	7	127,150	7	142,188
1/4	7,748	1/4	22,263	1/4	37,308	1/4	52,335	1/4	67,292	1/4	82,337	1/4	97,382	1/4	112,425	1/4	127,463	1/4	142,501
1/2	8,030	1/2	22,577	1/2	37,621	1/2	52,646	1/2	67,606	1/2	82,651	1/2	97,695	1/2	112,738	1/2	127,776	1/2	142,815
3/4	8,313	3/4	22,890	3/4	37,935	3/4	52,957	3/4	67,919	3/4	82,964	3/4	98,009	3/4	113,051	3/4	128,090	3/4	143,128
8	8,595	8	23,204	8	38,248	8	53,269	8	68,233	8	83,277	8	98,322	8	113,365	8	128,403	8	143,441
1/4	8,882	1/4	23,517	1/4	38,562	1/4	53,580	1/4	68,546	1/4	83,591	1/4	98,636	1/4	113,678	1/4	128,716	1/4	143,754
1/2	9,168	1/2	23,831	1/2	38,875	1/2	53,891	1/2	68,859	1/2	83,904	1/2	98,949	1/2	113,991	1/2	129,029	1/2	144,068
3/4	9,455	3/4	24,144	3/4	39,188	3/4	54,202	3/4	69,173	3/4	84,218	3/4	99,262	3/4	114,304	3/4	129,343	3/4	144,381
9	9,741	9	24,457	9	39,502	9	54,513	9	69,486	9	84,531	9	99,576	9	114,618	9	129,656	9	144,694
1/4	10,031	1/4	24,771	1/4	39,815	1/4	54,824	1/4	69,800	1/4	84,845	1/4	99,889	1/4	114,931	1/4	129,969	1/4	145,008
1/2	10,322	1/2	25,084	1/2	40,129	1/2	55,135	1/2	70,113	1/2	85,158	1/2	100,203	1/2	115,244	1/2	130,283	1/2	145,321
3/4	10,612	3/4	25,398	3/4	40,442	3/4	55,446	3/4	70,427	3/4	85,471	3/4	100,516	3/4	115,558	3/4	130,596	3/4	145,634
10	10,902	10	25,711	10	40,756	10	55,757	10	70,740	10	85,785	10	100,830	10	115,871	10	130,909	10	145,947
1/4	11,196	1/4	26,025	1/4	41,069	1/4	56,068	1/4	71,053	1/4	86,098	1/4	101,143	1/4	116,184	1/4	131,222	1/4	146,261
1/2	11,490	1/2	26,338	1/2	41,382	1/2	56,379	1/2	71,367	1/2	86,412	1/2	101,457	1/2	116,498	1/2	131,536	1/2	146,574
3/4	11,785	3/4	26,651	3/4	41,696	3/4	56,690	3/4	71,680	3/4	86,725	3/4	101,770	3/4	116,811	3/4	131,849	3/4	146,887
11	12,079	11	26,965	11	42,009	11	57,001	11	71,994	11	87,039	11	102,083	11	117,124	11	132,162	11	147,201
1/4	12,377	1/4	27,278	1/4	42,323	1/4	57,312	1/4	72,307	1/4	87,352	1/4	102,397	1/4	117,437	1/4	132,476	1/4	147,514
1/2	12,675	1/2	27,592	1/2	42,636	1/2	57,623	1/2	72,621	1/2	87,665	1/2	102,710	1/2	117,751	1/2	132,789	1/2	147,827
3/4	12,973	3/4	27,905	3/4	42,949	3/4	57,934	3/4	72,934	3/4	87,979	3/4	103,024	3/4	118,064	3/4	133,102	3/4	148,141

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

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## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,454	0	163,492	0	178,521	0	193,516	0	208,438	0		0		0		0		0	
1/4	148,767	1/4	163,805	1/4	178,834	1/4	193,828	1/4	208,718	1/4		1/4		1/4		1/4		1/4	
1/2	149,080	1/2	164,119	1/2	179,146	1/2	194,140	1/2	208,999	1/2		1/2		1/2		1/2		1/2	
3/4	149,394	3/4	164,432	3/4	179,458	3/4	194,453	3/4	209,279	3/4		3/4		3/4		3/4		3/4	
1	149,707	1	164,745	1	179,771	1	194,765	1	209,560	1		1		1		1		1	
1/4	150,020	1/4	165,059	1/4	180,083	1/4	195,078	1/4	209,792	1/4		1/4		1/4		1/4		1/4	
1/2	150,334	1/2	165,372	1/2	180,396	1/2	195,390	1/2	210,024	1/2		1/2		1/2		1/2		1/2	
3/4	150,647	3/4	165,685	3/4	180,708	3/4	195,702	3/4	210,256	3/4		3/4		3/4		3/4		3/4	
2	150,960	2	165,999	2	181,020	2	196,015	2	210,488	2		2		2		2		2	
1/4	151,274	1/4	166,312	1/4	181,333	1/4	196,327	1/4	210,667	1/4		1/4		1/4		1/4		1/4	
1/2	151,587	1/2	166,625	1/2	181,645	1/2	196,640	1/2	210,847	1/2		1/2		1/2		1/2		1/2	
3/4	151,900	3/4	166,938	3/4	181,958	3/4	196,952	3/4	211,027	3/4		3/4		3/4		3/4		3/4	
3	152,213	3	167,252	3	182,270	3	197,264	3	211,207	3		3		3		3		3	
1/4	152,527	1/4	167,565	1/4	182,582	1/4	197,577	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,840	1/2	167,878	1/2	182,895	1/2	197,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,153	3/4	168,192	3/4	183,207	3/4	198,201	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,467	4	168,505	4	183,519	4	198,514	4		4		4		4		4		4	
1/4	153,780	1/4	168,818	1/4	183,832	1/4	198,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,093	1/2	169,132	1/2	184,144	1/2	199,139	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,407	3/4	169,445	3/4	184,457	3/4	199,451	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,720	5	169,758	5	184,769	5	199,763	5		5		5		5		5		5	
1/4	155,033	1/4	170,071	1/4	185,081	1/4	200,075	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,346	1/2	170,385	1/2	185,394	1/2	200,386	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,660	3/4	170,698	3/4	185,706	3/4	200,697	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,973	6	171,011	6	186,019	6	201,009	6		6		6		6		6		6	
1/4	156,286	1/4	171,325	1/4	186,331	1/4	201,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,600	1/2	171,638	1/2	186,643	1/2	201,629	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,913	3/4	171,951	3/4	186,956	3/4	201,939	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,226	7	172,264	7	187,268	7	202,250	7		7		7		7		7		7	
1/4	157,539	1/4	172,578	1/4	187,580	1/4	202,560	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,853	1/2	172,891	1/2	187,893	1/2	202,870	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,166	3/4	173,204	3/4	188,205	3/4	203,181	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,479	8	173,518	8	188,518	8	203,491	8		8		8		8		8		8	
1/4	158,793	1/4	173,831	1/4	188,830	1/4	203,801	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,106	1/2	174,144	1/2	189,142	1/2	204,112	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,419	3/4	174,458	3/4	189,455	3/4	204,422	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,733	9	174,771	9	189,767	9	204,732	9		9		9		9		9		9	
1/4	160,046	1/4	175,084	1/4	190,079	1/4	205,043	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,359	1/2	175,397	1/2	190,392	1/2	205,353	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,672	3/4	175,709	3/4	190,704	3/4	205,663	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,986	10	176,022	10	191,017	10	205,973	10		10		10		10		10		10	
1/4	161,299	1/4	176,335	1/4	191,329	1/4	206,283	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,612	1/2	176,647	1/2	191,641	1/2	206,593	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,926	3/4	176,959	3/4	191,954	3/4	206,903	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,239	11	177,272	11	192,266	11	207,213	11		11		11		11		11		11	
1/4	162,552	1/4	177,584	1/4	192,579	1/4	207,519	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,866	1/2	177,897	1/2	192,891	1/2	207,825	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,179	3/4	178,209	3/4	193,203	3/4	208,131	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HSM 3038"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	386	0	13,258	0	28,191	0	43,220	0	58,245	0	73,272	0	88,302	0	103,332	0	118,357	0	133,381
1/4	563	1/4	13,559	1/4	28,504	1/4	43,533	1/4	58,558	1/4	73,585	1/4	88,615	1/4	103,645	1/4	118,670	1/4	133,694
1/2	740	1/2	13,861	1/2	28,817	1/2	43,846	1/2	58,871	1/2	73,899	1/2	88,928	1/2	103,958	1/2	118,983	1/2	134,007
3/4	917	3/4	14,162	3/4	29,130	3/4	44,159	3/4	59,184	3/4	74,212	3/4	89,242	3/4	104,271	3/4	119,296	3/4	134,320
1	1,093	1	14,464	1	29,443	1	44,473	1	59,497	1	74,525	1	89,555	1	104,585	1	119,609	1	134,633
1/4	1,332	1/4	14,769	1/4	29,756	1/4	44,786	1/4	59,810	1/4	74,838	1/4	89,868	1/4	104,898	1/4	119,922	1/4	134,946
1/2	1,571	1/2	15,075	1/2	30,069	1/2	45,099	1/2	60,122	1/2	75,151	1/2	90,181	1/2	105,211	1/2	120,235	1/2	135,259
3/4	1,810	3/4	15,380	3/4	30,382	3/4	45,412	3/4	60,435	3/4	75,464	3/4	90,494	3/4	105,524	3/4	120,548	3/4	135,572
2	2,049	2	15,685	2	30,696	2	45,725	2	60,748	2	75,777	2	90,807	2	105,837	2	120,861	2	135,885
1/4	2,311	1/4	15,995	1/4	31,009	1/4	46,038	1/4	61,061	1/4	76,090	1/4	91,120	1/4	106,150	1/4	121,174	1/4	136,198
1/2	2,573	1/2	16,304	1/2	31,322	1/2	46,351	1/2	61,374	1/2	76,403	1/2	91,433	1/2	106,463	1/2	121,487	1/2	136,511
3/4	2,835	3/4	16,613	3/4	31,635	3/4	46,664	3/4	61,687	3/4	76,717	3/4	91,746	3/4	106,776	3/4	121,800	3/4	136,824
3	3,097	3	16,922	3	31,948	3	46,977	3	62,000	3	77,030	3	92,060	3	107,089	3	122,113	3	137,137
1/4	3,363	1/4	17,235	1/4	32,261	1/4	47,291	1/4	62,313	1/4	77,343	1/4	92,373	1/4	107,403	1/4	122,426	1/4	137,450
1/2	3,630	1/2	17,547	1/2	32,574	1/2	47,604	1/2	62,626	1/2	77,656	1/2	92,686	1/2	107,716	1/2	122,739	1/2	137,763
3/4	3,897	3/4	17,859	3/4	32,887	3/4	47,917	3/4	62,939	3/4	77,969	3/4	92,999	3/4	108,029	3/4	123,052	3/4	138,076
4	4,163	4	18,171	4	33,200	4	48,230	4	63,252	4	78,282	4	93,312	4	108,342	4	123,365	4	138,389
1/4	4,434	1/4	18,484	1/4	33,514	1/4	48,543	1/4	63,565	1/4	78,595	1/4	93,625	1/4	108,655	1/4	123,678	1/4	138,701
1/2	4,705	1/2	18,797	1/2	33,827	1/2	48,856	1/2	63,879	1/2	78,908	1/2	93,938	1/2	108,968	1/2	123,991	1/2	139,014
3/4	4,975	3/4	19,110	3/4	34,140	3/4	49,169	3/4	64,192	3/4	79,222	3/4	94,251	3/4	109,281	3/4	124,304	3/4	139,327
5	5,246	5	19,424	5	34,453	5	49,482	5	64,505	5	79,535	5	94,565	5	109,594	5	124,617	5	139,640
1/4	5,521	1/4	19,737	1/4	34,766	1/4	49,795	1/4	64,818	1/4	79,848	1/4	94,878	1/4	109,907	1/4	124,930	1/4	139,953
1/2	5,795	1/2	20,050	1/2	35,079	1/2	50,109	1/2	65,131	1/2	80,161	1/2	95,191	1/2	110,220	1/2	125,243	1/2	140,266
3/4	6,070	3/4	20,363	3/4	35,392	3/4	50,422	3/4	65,444	3/4	80,474	3/4	95,504	3/4	110,533	3/4	125,556	3/4	140,579
6	6,344	6	20,676	6	35,705	6	50,735	6	65,757	6	80,787	6	95,817	6	110,846	6	125,869	6	140,892
1/4	6,623	1/4	20,989	1/4	36,019	1/4	51,048	1/4	66,070	1/4	81,100	1/4	96,130	1/4	111,159	1/4	126,182	1/4	141,205
1/2	6,901	1/2	21,302	1/2	36,332	1/2	51,361	1/2	66,384	1/2	81,413	1/2	96,443	1/2	111,472	1/2	126,495	1/2	141,518
3/4	7,179	3/4	21,615	3/4	36,645	3/4	51,674	3/4	66,697	3/4	81,727	3/4	96,756	3/4	111,785	3/4	126,808	3/4	141,831
7	7,458	7	21,928	7	36,958	7	51,987	7	67,010	7	82,040	7	97,070	7	112,098	7	127,121	7	142,144
1/4	7,740	1/4	22,242	1/4	37,271	1/4	52,300	1/4	67,323	1/4	82,353	1/4	97,383	1/4	112,411	1/4	127,434	1/4	142,457
1/2	8,022	1/2	22,555	1/2	37,584	1/2	52,613	1/2	67,636	1/2	82,666	1/2	97,696	1/2	112,724	1/2	127,747	1/2	142,770
3/4	8,305	3/4	22,868	3/4	37,897	3/4	52,926	3/4	67,949	3/4	82,979	3/4	98,009	3/4	113,037	3/4	128,060	3/4	143,083
8	8,587	8	23,181	8	38,210	8	53,239	8	68,262	8	83,292	8	98,322	8	113,350	8	128,373	8	143,396
1/4	8,873	1/4	23,494	1/4	38,523	1/4	53,552	1/4	68,575	1/4	83,605	1/4	98,635	1/4	113,662	1/4	128,686	1/4	143,709
1/2	9,159	1/2	23,807	1/2	38,837	1/2	53,865	1/2	68,889	1/2	83,918	1/2	98,948	1/2	113,975	1/2	128,999	1/2	144,022
3/4	9,445	3/4	24,120	3/4	39,150	3/4	54,178	3/4	69,202	3/4	84,232	3/4	99,261	3/4	114,288	3/4	129,312	3/4	144,335
9	9,732	9	24,433	9	39,463	9	54,490	9	69,515	9	84,545	9	99,575	9	114,601	9	129,625	9	144,648
1/4	10,022	1/4	24,746	1/4	39,776	1/4	54,803	1/4	69,828	1/4	84,858	1/4	99,888	1/4	114,914	1/4	129,938	1/4	144,961
1/2	10,312	1/2	25,060	1/2	40,089	1/2	55,116	1/2	70,141	1/2	85,171	1/2	100,201	1/2	115,227	1/2	130,251	1/2	145,274
3/4	10,601	3/4	25,373	3/4	40,402	3/4	55,429	3/4	70,454	3/4	85,484	3/4	100,514	3/4	115,540	3/4	130,564	3/4	145,587
10	10,891	10	25,686	10	40,715	10	55,742	10	70,767	10	85,797	10	100,827	10	115,853	10	130,877	10	145,900
1/4	11,185	1/4	25,999	1/4	41,028	1/4	56,055	1/4	71,080	1/4	86,110	1/4	101,140	1/4	116,166	1/4	131,190	1/4	146,213
1/2	11,479	1/2	26,312	1/2	41,341	1/2	56,368	1/2	71,394	1/2	86,423	1/2	101,453	1/2	116,479	1/2	131,503	1/2	146,526
3/4	11,773	3/4	26,625	3/4	41,655	3/4	56,681	3/4	71,707	3/4	86,737	3/4	101,766	3/4	116,792	3/4	131,816	3/4	146,839
11	12,067	11	26,938	11	41,968	11	56,994	11	72,020	11	87,050	11	102,080	11	117,105	11	132,129	11	147,152
1/4	12,365	1/4	27,251	1/4	42,281	1/4	57,306	1/4	72,333	1/4	87,363	1/4	102,393	1/4	117,418	1/4	132,442	1/4	147,465
1/2	12,662	1/2	27,564	1/2	42,594	1/2	57,619	1/2	72,646	1/2	87,676	1/2	102,706	1/2	117,731	1/2	132,755	1/2	147,778
3/4	12,960	3/4	27,878	3/4	42,907	3/4	57,932	3/4	72,959	3/4	87,989	3/4	103,019	3/4	118,044	3/4	133,068	3/4	148,091

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3038"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	148,404	0	163,428	0	178,442	0	193,422	0	208,330	0		0		0		0		0	
1/4	148,717	1/4	163,741	1/4	178,754	1/4	193,734	1/4	208,610	1/4		1/4		1/4		1/4		1/4	
1/2	149,030	1/2	164,054	1/2	179,067	1/2	194,046	1/2	208,890	1/2		1/2		1/2		1/2		1/2	
3/4	149,343	3/4	164,367	3/4	179,379	3/4	194,358	3/4	209,170	3/4		3/4		3/4		3/4		3/4	
1	149,656	1	164,680	1	179,691	1	194,671	1	209,450	1		1		1		1		1	
1/4	149,969	1/4	164,993	1/4	180,003	1/4	194,983	1/4	209,682	1/4		1/4		1/4		1/4		1/4	
1/2	150,282	1/2	165,306	1/2	180,315	1/2	195,295	1/2	209,914	1/2		1/2		1/2		1/2		1/2	
3/4	150,595	3/4	165,619	3/4	180,627	3/4	195,607	3/4	210,146	3/4		3/4		3/4		3/4		3/4	
2	150,908	2	165,932	2	180,939	2	195,919	2	210,378	2		2		2		2		2	
1/4	151,221	1/4	166,245	1/4	181,251	1/4	196,231	1/4	210,557	1/4		1/4		1/4		1/4		1/4	
1/2	151,534	1/2	166,558	1/2	181,563	1/2	196,543	1/2	210,737	1/2		1/2		1/2		1/2		1/2	
3/4	151,847	3/4	166,871	3/4	181,875	3/4	196,855	3/4	210,916	3/4		3/4		3/4		3/4		3/4	
3	152,160	3	167,184	3	182,187	3	197,167	3	211,096	3		3		3		3		3	
1/4	152,473	1/4	167,497	1/4	182,499	1/4	197,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,786	1/2	167,810	1/2	182,811	1/2	197,791	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,099	3/4	168,123	3/4	183,124	3/4	198,103	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,412	4	168,436	4	183,436	4	198,415	4		4		4		4		4		4	
1/4	153,725	1/4	168,749	1/4	183,748	1/4	198,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,038	1/2	169,062	1/2	184,060	1/2	199,040	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,351	3/4	169,375	3/4	184,372	3/4	199,352	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,664	5	169,688	5	184,684	5	199,664	5		5		5		5		5		5	
1/4	154,977	1/4	170,001	1/4	184,996	1/4	199,975	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,290	1/2	170,314	1/2	185,308	1/2	200,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,603	3/4	170,627	3/4	185,620	3/4	200,597	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,916	6	170,940	6	185,932	6	200,908	6		6		6		6		6		6	
1/4	156,229	1/4	171,253	1/4	186,244	1/4	201,218	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,542	1/2	171,566	1/2	186,556	1/2	201,528	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,855	3/4	171,879	3/4	186,869	3/4	201,838	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,168	7	172,192	7	187,181	7	202,148	7		7		7		7		7		7	
1/4	157,481	1/4	172,505	1/4	187,493	1/4	202,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,794	1/2	172,818	1/2	187,805	1/2	202,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,107	3/4	173,131	3/4	188,117	3/4	203,078	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,420	8	173,444	8	188,429	8	203,388	8		8		8		8		8		8	
1/4	158,733	1/4	173,757	1/4	188,741	1/4	203,698	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,046	1/2	174,070	1/2	189,053	1/2	204,008	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,359	3/4	174,383	3/4	189,365	3/4	204,318	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,672	9	174,696	9	189,677	9	204,628	9		9		9		9		9		9	
1/4	159,985	1/4	175,008	1/4	189,989	1/4	204,938	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,298	1/2	175,321	1/2	190,301	1/2	205,248	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,611	3/4	175,633	3/4	190,613	3/4	205,558	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,924	10	175,946	10	190,926	10	205,868	10		10		10		10		10		10	
1/4	161,237	1/4	176,258	1/4	191,238	1/4	206,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,550	1/2	176,570	1/2	191,550	1/2	206,487	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,863	3/4	176,882	3/4	191,862	3/4	206,797	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,176	11	177,194	11	192,174	11	207,106	11		11		11		11		11		11	
1/4	162,489	1/4	177,506	1/4	192,486	1/4	207,412	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,802	1/2	177,818	1/2	192,798	1/2	207,718	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,115	3/4	178,130	3/4	193,110	3/4	208,024	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT  
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P.O. Box 2092  
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# BARGE "HSM 3038"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,032	0	15,705	0	30,776	0	45,476	0	59,970	0	74,832	0	89,906	0	104,980	0	120,048	0	135,115
1/4	1,268	1/4	16,019	1/4	31,090	1/4	45,777	1/4	60,272	1/4	75,146	1/4	90,220	1/4	105,294	1/4	120,362	1/4	135,429
1/2	1,503	1/2	16,333	1/2	31,404	1/2	46,079	1/2	60,574	1/2	75,460	1/2	90,534	1/2	105,608	1/2	120,676	1/2	135,742
3/4	1,739	3/4	16,647	3/4	31,718	3/4	46,380	3/4	60,876	3/4	75,774	3/4	90,848	3/4	105,922	3/4	120,990	3/4	136,056
1	1,974	1	16,961	1	32,032	1	46,681	1	61,179	1	76,088	1	91,162	1	106,236	1	121,304	1	136,370
1/4	2,268	1/4	17,275	1/4	32,346	1/4	46,983	1/4	61,481	1/4	76,402	1/4	91,476	1/4	106,550	1/4	121,618	1/4	136,684
1/2	2,561	1/2	17,589	1/2	32,660	1/2	47,284	1/2	61,783	1/2	76,716	1/2	91,790	1/2	106,864	1/2	121,932	1/2	136,998
3/4	2,855	3/4	17,903	3/4	32,974	3/4	47,585	3/4	62,086	3/4	77,030	3/4	92,104	3/4	107,178	3/4	122,245	3/4	137,312
2	3,149	2	18,217	2	33,288	2	47,886	2	62,388	2	77,344	2	92,418	2	107,492	2	122,559	2	137,626
1/4	3,462	1/4	18,531	1/4	33,602	1/4	48,188	1/4	62,690	1/4	77,658	1/4	92,732	1/4	107,806	1/4	122,873	1/4	137,940
1/2	3,775	1/2	18,845	1/2	33,916	1/2	48,489	1/2	62,992	1/2	77,972	1/2	93,046	1/2	108,120	1/2	123,187	1/2	138,254
3/4	4,088	3/4	19,159	3/4	34,230	3/4	48,791	3/4	63,295	3/4	78,286	3/4	93,360	3/4	108,434	3/4	123,501	3/4	138,567
3	4,401	3	19,473	3	34,544	3	49,092	3	63,597	3	78,600	3	93,674	3	108,748	3	123,815	3	138,881
1/4	4,715	1/4	19,787	1/4	34,858	1/4	49,394	1/4	63,899	1/4	78,914	1/4	93,988	1/4	109,062	1/4	124,129	1/4	139,195
1/2	5,028	1/2	20,101	1/2	35,172	1/2	49,695	1/2	64,201	1/2	79,228	1/2	94,302	1/2	109,376	1/2	124,443	1/2	139,509
3/4	5,342	3/4	20,415	3/4	35,486	3/4	49,997	3/4	64,504	3/4	79,542	3/4	94,616	3/4	109,690	3/4	124,757	3/4	139,823
4	5,656	4	20,729	4	35,800	4	50,299	4	64,806	4	79,856	4	94,930	4	110,004	4	125,070	4	140,137
1/4	5,970	1/4	21,043	1/4	36,109	1/4	50,600	1/4	65,114	1/4	80,170	1/4	95,244	1/4	110,318	1/4	125,384	1/4	140,451
1/2	6,284	1/2	21,357	1/2	36,417	1/2	50,902	1/2	65,422	1/2	80,484	1/2	95,558	1/2	110,632	1/2	125,698	1/2	140,765
3/4	6,598	3/4	21,671	3/4	36,725	3/4	51,204	3/4	65,730	3/4	80,799	3/4	95,872	3/4	110,946	3/4	126,012	3/4	141,078
5	6,912	5	21,985	5	37,033	5	51,506	5	66,039	5	81,113	5	96,187	5	111,260	5	126,326	5	141,392
1/4	7,226	1/4	22,299	1/4	37,335	1/4	51,808	1/4	66,353	1/4	81,427	1/4	96,501	1/4	111,573	1/4	126,640	1/4	141,706
1/2	7,540	1/2	22,613	1/2	37,638	1/2	52,111	1/2	66,667	1/2	81,741	1/2	96,815	1/2	111,887	1/2	126,954	1/2	142,020
3/4	7,854	3/4	22,927	3/4	37,940	3/4	52,413	3/4	66,981	3/4	82,055	3/4	97,129	3/4	112,201	3/4	127,268	3/4	142,334
6	8,168	6	23,242	6	38,242	6	52,715	6	67,295	6	82,369	6	97,443	6	112,515	6	127,581	6	142,648
1/4	8,482	1/4	23,556	1/4	38,544	1/4	53,018	1/4	67,609	1/4	82,683	1/4	97,757	1/4	112,829	1/4	127,895	1/4	142,962
1/2	8,796	1/2	23,870	1/2	38,846	1/2	53,320	1/2	67,923	1/2	82,997	1/2	98,071	1/2	113,143	1/2	128,209	1/2	143,276
3/4	9,110	3/4	24,184	3/4	39,147	3/4	53,622	3/4	68,237	3/4	83,311	3/4	98,385	3/4	113,457	3/4	128,523	3/4	143,590
7	9,424	7	24,498	7	39,449	7	53,924	7	68,551	7	83,625	7	98,699	7	113,771	7	128,837	7	143,903
1/4	9,738	1/4	24,812	1/4	39,751	1/4	54,227	1/4	68,865	1/4	83,939	1/4	99,013	1/4	114,084	1/4	129,151	1/4	144,217
1/2	10,052	1/2	25,126	1/2	40,052	1/2	54,529	1/2	69,179	1/2	84,253	1/2	99,327	1/2	114,398	1/2	129,465	1/2	144,531
3/4	10,366	3/4	25,440	3/4	40,353	3/4	54,831	3/4	69,493	3/4	84,567	3/4	99,641	3/4	114,712	3/4	129,779	3/4	144,845
8	10,680	8	25,754	8	40,655	8	55,133	8	69,807	8	84,881	8	99,955	8	115,026	8	130,093	8	145,159
1/4	10,994	1/4	26,068	1/4	40,956	1/4	55,436	1/4	70,121	1/4	85,195	1/4	100,269	1/4	115,340	1/4	130,406	1/4	145,473
1/2	11,308	1/2	26,382	1/2	41,257	1/2	55,738	1/2	70,435	1/2	85,509	1/2	100,583	1/2	115,654	1/2	130,720	1/2	145,787
3/4	11,622	3/4	26,696	3/4	41,559	3/4	56,040	3/4	70,749	3/4	85,823	3/4	100,897	3/4	115,968	3/4	131,034	3/4	146,101
9	11,936	9	27,010	9	41,860	9	56,342	9	71,063	9	86,137	9	101,211	9	116,282	9	131,348	9	146,414
1/4	12,250	1/4	27,323	1/4	42,161	1/4	56,645	1/4	71,377	1/4	86,451	1/4	101,525	1/4	116,596	1/4	131,662	1/4	146,728
1/2	12,564	1/2	27,637	1/2	42,463	1/2	56,947	1/2	71,691	1/2	86,765	1/2	101,839	1/2	116,909	1/2	131,976	1/2	147,042
3/4	12,878	3/4	27,951	3/4	42,764	3/4	57,249	3/4	72,005	3/4	87,079	3/4	102,153	3/4	117,223	3/4	132,290	3/4	147,356
10	13,193	10	28,265	10	43,065	10	57,552	10	72,319	10	87,393	10	102,467	10	117,537	10	132,604	10	147,670
1/4	13,507	1/4	28,579	1/4	43,367	1/4	57,854	1/4	72,633	1/4	87,707	1/4	102,781	1/4	117,851	1/4	132,917	1/4	147,984
1/2	13,821	1/2	28,892	1/2	43,668	1/2	58,156	1/2	72,947	1/2	88,021	1/2	103,095	1/2	118,165	1/2	133,231	1/2	148,298
3/4	14,135	3/4	29,206	3/4	43,969	3/4	58,458	3/4	73,262	3/4	88,335	3/4	103,409	3/4	118,479	3/4	133,545	3/4	148,612
11	14,449	11	29,520	11	44,271	11	58,761	11	73,576	11	88,650	11	103,724	11	118,793	11	133,859	11	148,926
1/4	14,763	1/4	29,834	1/4	44,572	1/4	59,063	1/4	73,890	1/4	88,964	1/4	104,038	1/4	119,107	1/4	134,173	1/4	149,239
1/2	15,077	1/2	30,148	1/2	44,873	1/2	59,365	1/2	74,204	1/2	89,278	1/2	104,352	1/2	119,421	1/2	134,487	1/2	149,553
3/4	15,391	3/4	30,462	3/4	45,175	3/4	59,667	3/4	74,518	3/4	89,592	3/4	104,666	3/4	119,734	3/4	134,801	3/4	149,867

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "HSM 3038"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,181	0	165,247	0	180,303	0	195,318	0	210,237	0		0		0		0		0	
1/4	150,495	1/4	165,561	1/4	180,616	1/4	195,631	1/4	210,517	1/4		1/4		1/4		1/4		1/4	
1/2	150,809	1/2	165,875	1/2	180,929	1/2	195,944	1/2	210,797	1/2		1/2		1/2		1/2		1/2	
3/4	151,123	3/4	166,189	3/4	181,242	3/4	196,257	3/4	211,077	3/4		3/4		3/4		3/4		3/4	
1	151,437	1	166,503	1	181,555	1	196,570	1	211,356	1		1		1		1		1	
1/4	151,750	1/4	166,817	1/4	181,867	1/4	196,883	1/4	211,588	1/4		1/4		1/4		1/4		1/4	
1/2	152,064	1/2	167,131	1/2	182,180	1/2	197,195	1/2	211,819	1/2		1/2		1/2		1/2		1/2	
3/4	152,378	3/4	167,445	3/4	182,493	3/4	197,508	3/4	212,051	3/4		3/4		3/4		3/4		3/4	
2	152,692	2	167,759	2	182,806	2	197,821	2	212,282	2		2		2		2		2	
1/4	153,006	1/4	168,072	1/4	183,119	1/4	198,134	1/4	212,461	1/4		1/4		1/4		1/4		1/4	
1/2	153,320	1/2	168,386	1/2	183,431	1/2	198,447	1/2	212,640	1/2		1/2		1/2		1/2		1/2	
3/4	153,634	3/4	168,700	3/4	183,744	3/4	198,759	3/4	212,819	3/4		3/4		3/4		3/4		3/4	
3	153,948	3	169,014	3	184,057	3	199,072	3	212,998	3		3		3		3		3	
1/4	154,262	1/4	169,328	1/4	184,370	1/4	199,385	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,575	1/2	169,642	1/2	184,683	1/2	199,698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,889	3/4	169,956	3/4	184,995	3/4	200,011	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,203	4	170,270	4	185,308	4	200,324	4		4		4		4		4		4	
1/4	155,517	1/4	170,584	1/4	185,621	1/4	200,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,831	1/2	170,897	1/2	185,934	1/2	200,949	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,145	3/4	171,211	3/4	186,247	3/4	201,262	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,459	5	171,525	5	186,560	5	201,575	5		5		5		5		5		5	
1/4	156,773	1/4	171,839	1/4	186,872	1/4	201,886	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,087	1/2	172,153	1/2	187,185	1/2	202,197	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,400	3/4	172,467	3/4	187,498	3/4	202,509	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,714	6	172,781	6	187,811	6	202,820	6		6		6		6		6		6	
1/4	158,028	1/4	173,095	1/4	188,124	1/4	203,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,342	1/2	173,408	1/2	188,436	1/2	203,439	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,656	3/4	173,722	3/4	188,749	3/4	203,749	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,970	7	174,036	7	189,062	7	204,059	7		7		7		7		7		7	
1/4	159,284	1/4	174,350	1/4	189,375	1/4	204,369	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,598	1/2	174,664	1/2	189,688	1/2	204,678	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,911	3/4	174,978	3/4	190,001	3/4	204,988	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,225	8	175,292	8	190,313	8	205,298	8		8		8		8		8		8	
1/4	160,539	1/4	175,606	1/4	190,626	1/4	205,608	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,853	1/2	175,920	1/2	190,939	1/2	205,918	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,167	3/4	176,233	3/4	191,252	3/4	206,228	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,481	9	176,547	9	191,565	9	206,538	9		9		9		9		9		9	
1/4	161,795	1/4	176,861	1/4	191,877	1/4	206,847	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,109	1/2	177,174	1/2	192,190	1/2	207,157	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,423	3/4	177,487	3/4	192,503	3/4	207,467	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,736	10	177,801	10	192,816	10	207,777	10		10		10		10		10		10	
1/4	163,050	1/4	178,114	1/4	193,129	1/4	208,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,364	1/2	178,426	1/2	193,442	1/2	208,395	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,678	3/4	178,739	3/4	193,754	3/4	208,705	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,992	11	179,052	11	194,067	11	209,014	11		11		11		11		11		11	
1/4	164,306	1/4	179,365	1/4	194,380	1/4	209,320	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,620	1/2	179,678	1/2	194,693	1/2	209,625	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,934	3/4	179,990	3/4	195,006	3/4	209,931	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3038"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,033	0	15,713	0	30,792	0	45,853	0	60,919	0	76,000	0	91,082	0	106,163	0	121,239	0	136,312
1/4	1,268	1/4	16,027	1/4	31,106	1/4	46,166	1/4	61,233	1/4	76,314	1/4	91,396	1/4	106,477	1/4	121,553	1/4	136,626
1/2	1,504	1/2	16,341	1/2	31,420	1/2	46,479	1/2	61,547	1/2	76,629	1/2	91,710	1/2	106,791	1/2	121,867	1/2	136,940
3/4	1,740	3/4	16,656	3/4	31,734	3/4	46,792	3/4	61,862	3/4	76,943	3/4	92,024	3/4	107,105	3/4	122,181	3/4	137,255
1	1,975	1	16,970	1	32,049	1	47,106	1	62,176	1	77,257	1	92,338	1	107,420	1	122,495	1	137,569
1/4	2,269	1/4	17,284	1/4	32,363	1/4	47,419	1/4	62,490	1/4	77,571	1/4	92,652	1/4	107,734	1/4	122,809	1/4	137,883
1/2	2,563	1/2	17,598	1/2	32,677	1/2	47,732	1/2	62,804	1/2	77,885	1/2	92,967	1/2	108,048	1/2	123,123	1/2	138,197
3/4	2,857	3/4	17,912	3/4	32,991	3/4	48,046	3/4	63,118	3/4	78,200	3/4	93,281	3/4	108,362	3/4	123,437	3/4	138,511
2	3,150	2	18,226	2	33,305	2	48,359	2	63,433	2	78,514	2	93,595	2	108,676	2	123,751	2	138,825
1/4	3,464	1/4	18,541	1/4	33,620	1/4	48,672	1/4	63,747	1/4	78,828	1/4	93,909	1/4	108,991	1/4	124,065	1/4	139,139
1/2	3,777	1/2	18,855	1/2	33,934	1/2	48,986	1/2	64,061	1/2	79,142	1/2	94,223	1/2	109,305	1/2	124,379	1/2	139,453
3/4	4,090	3/4	19,169	3/4	34,248	3/4	49,299	3/4	64,375	3/4	79,456	3/4	94,538	3/4	109,619	3/4	124,693	3/4	139,767
3	4,403	3	19,483	3	34,562	3	49,612	3	64,689	3	79,771	3	94,852	3	109,933	3	125,007	3	140,081
1/4	4,717	1/4	19,797	1/4	34,876	1/4	49,926	1/4	65,003	1/4	80,085	1/4	95,166	1/4	110,247	1/4	125,321	1/4	140,395
1/2	5,031	1/2	20,112	1/2	35,191	1/2	50,239	1/2	65,318	1/2	80,399	1/2	95,480	1/2	110,561	1/2	125,635	1/2	140,709
3/4	5,345	3/4	20,426	3/4	35,505	3/4	50,553	3/4	65,632	3/4	80,713	3/4	95,794	3/4	110,875	3/4	125,949	3/4	141,023
4	5,659	4	20,740	4	35,819	4	50,866	4	65,946	4	81,027	4	96,109	4	111,190	4	126,263	4	141,337
1/4	5,973	1/4	21,054	1/4	36,133	1/4	51,180	1/4	66,260	1/4	81,342	1/4	96,423	1/4	111,504	1/4	126,577	1/4	141,651
1/2	6,287	1/2	21,368	1/2	36,447	1/2	51,494	1/2	66,574	1/2	81,656	1/2	96,737	1/2	111,818	1/2	126,891	1/2	141,965
3/4	6,601	3/4	21,683	3/4	36,762	3/4	51,808	3/4	66,889	3/4	81,970	3/4	97,051	3/4	112,132	3/4	127,205	3/4	142,279
5	6,916	5	21,997	5	37,076	5	52,122	5	67,203	5	82,284	5	97,365	5	112,446	5	127,519	5	142,593
1/4	7,230	1/4	22,311	1/4	37,390	1/4	52,436	1/4	67,517	1/4	82,598	1/4	97,680	1/4	112,760	1/4	127,833	1/4	142,907
1/2	7,544	1/2	22,625	1/2	37,704	1/2	52,750	1/2	67,831	1/2	82,913	1/2	97,994	1/2	113,074	1/2	128,147	1/2	143,221
3/4	7,858	3/4	22,939	3/4	38,018	3/4	53,064	3/4	68,145	3/4	83,227	3/4	98,308	3/4	113,388	3/4	128,462	3/4	143,535
6	8,172	6	23,254	6	38,332	6	53,378	6	68,460	6	83,541	6	98,622	6	113,702	6	128,776	6	143,849
1/4	8,487	1/4	23,568	1/4	38,646	1/4	53,693	1/4	68,774	1/4	83,855	1/4	98,936	1/4	114,016	1/4	129,090	1/4	144,163
1/2	8,801	1/2	23,882	1/2	38,960	1/2	54,007	1/2	69,088	1/2	84,169	1/2	99,251	1/2	114,330	1/2	129,404	1/2	144,477
3/4	9,115	3/4	24,196	3/4	39,274	3/4	54,321	3/4	69,402	3/4	84,483	3/4	99,565	3/4	114,644	3/4	129,718	3/4	144,791
7	9,429	7	24,510	7	39,587	7	54,635	7	69,716	7	84,798	7	99,879	7	114,958	7	130,032	7	145,105
1/4	9,743	1/4	24,825	1/4	39,901	1/4	54,949	1/4	70,031	1/4	85,112	1/4	100,193	1/4	115,272	1/4	130,346	1/4	145,419
1/2	10,057	1/2	25,139	1/2	40,214	1/2	55,264	1/2	70,345	1/2	85,426	1/2	100,507	1/2	115,586	1/2	130,660	1/2	145,733
3/4	10,372	3/4	25,453	3/4	40,527	3/4	55,578	3/4	70,659	3/4	85,740	3/4	100,822	3/4	115,900	3/4	130,974	3/4	146,048
8	10,686	8	25,767	8	40,840	8	55,892	8	70,973	8	86,054	8	101,136	8	116,214	8	131,288	8	146,362
1/4	11,000	1/4	26,081	1/4	41,154	1/4	56,206	1/4	71,287	1/4	86,369	1/4	101,450	1/4	116,528	1/4	131,602	1/4	146,676
1/2	11,314	1/2	26,395	1/2	41,467	1/2	56,520	1/2	71,602	1/2	86,683	1/2	101,764	1/2	116,842	1/2	131,916	1/2	146,990
3/4	11,628	3/4	26,709	3/4	41,780	3/4	56,834	3/4	71,916	3/4	86,997	3/4	102,078	3/4	117,156	3/4	132,230	3/4	147,304
9	11,943	9	27,024	9	42,094	9	57,149	9	72,230	9	87,311	9	102,392	9	117,470	9	132,544	9	147,618
1/4	12,257	1/4	27,338	1/4	42,407	1/4	57,463	1/4	72,544	1/4	87,625	1/4	102,707	1/4	117,784	1/4	132,858	1/4	147,932
1/2	12,571	1/2	27,652	1/2	42,720	1/2	57,777	1/2	72,858	1/2	87,940	1/2	103,021	1/2	118,098	1/2	133,172	1/2	148,246
3/4	12,885	3/4	27,966	3/4	43,033	3/4	58,091	3/4	73,173	3/4	88,254	3/4	103,335	3/4	118,412	3/4	133,486	3/4	148,560
10	13,199	10	28,279	10	43,347	10	58,405	10	73,487	10	88,568	10	103,649	10	118,726	10	133,800	10	148,874
1/4	13,514	1/4	28,593	1/4	43,660	1/4	58,720	1/4	73,801	1/4	88,882	1/4	103,963	1/4	119,040	1/4	134,114	1/4	149,188
1/2	13,828	1/2	28,907	1/2	43,973	1/2	59,034	1/2	74,115	1/2	89,196	1/2	104,278	1/2	119,355	1/2	134,428	1/2	149,502
3/4	14,142	3/4	29,221	3/4	44,286	3/4	59,348	3/4	74,429	3/4	89,511	3/4	104,592	3/4	119,669	3/4	134,742	3/4	149,816
11	14,456	11	29,535	11	44,600	11	59,662	11	74,743	11	89,825	11	104,906	11	119,983	11	135,056	11	150,130
1/4	14,770	1/4	29,850	1/4	44,913	1/4	59,976	1/4	75,058	1/4	90,139	1/4	105,220	1/4	120,297	1/4	135,370	1/4	150,444
1/2	15,085	1/2	30,164	1/2	45,226	1/2	60,291	1/2	75,372	1/2	90,453	1/2	105,534	1/2	120,611	1/2	135,684	1/2	150,758
3/4	15,399	3/4	30,478	3/4	45,539	3/4	60,605	3/4	75,686	3/4	90,767	3/4	105,849	3/4	120,925	3/4	135,998	3/4	151,072

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3038"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-04 3/4"**

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,386	0	166,460	0	181,523	0	196,545	0	211,471	0		0		0		0		0	
1/4	151,700	1/4	166,774	1/4	181,836	1/4	196,858	1/4	211,751	1/4		1/4		1/4		1/4		1/4	
1/2	152,014	1/2	167,088	1/2	182,149	1/2	197,171	1/2	212,031	1/2		1/2		1/2		1/2		1/2	
3/4	152,328	3/4	167,402	3/4	182,462	3/4	197,484	3/4	212,311	3/4		3/4		3/4		3/4		3/4	
1	152,642	1	167,716	1	182,775	1	197,797	1	212,591	1		1		1		1		1	
1/4	152,956	1/4	168,030	1/4	183,088	1/4	198,110	1/4	212,823	1/4		1/4		1/4		1/4		1/4	
1/2	153,270	1/2	168,344	1/2	183,401	1/2	198,423	1/2	213,054	1/2		1/2		1/2		1/2		1/2	
3/4	153,584	3/4	168,658	3/4	183,714	3/4	198,736	3/4	213,286	3/4		3/4		3/4		3/4		3/4	
2	153,898	2	168,972	2	184,027	2	199,049	2	213,517	2		2		2		2		2	
1/4	154,212	1/4	169,286	1/4	184,340	1/4	199,362	1/4	213,696	1/4		1/4		1/4		1/4		1/4	
1/2	154,526	1/2	169,600	1/2	184,653	1/2	199,675	1/2	213,875	1/2		1/2		1/2		1/2		1/2	
3/4	154,841	3/4	169,914	3/4	184,966	3/4	199,988	3/4	214,055	3/4		3/4		3/4		3/4		3/4	
3	155,155	3	170,228	3	185,279	3	200,301	3	214,234	3		3		3		3		3	
1/4	155,469	1/4	170,542	1/4	185,592	1/4	200,614	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,783	1/2	170,856	1/2	185,904	1/2	200,927	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,097	3/4	171,170	3/4	186,217	3/4	201,240	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,411	4	171,484	4	186,530	4	201,553	4		4		4		4		4		4	
1/4	156,725	1/4	171,798	1/4	186,843	1/4	201,866	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,039	1/2	172,112	1/2	187,156	1/2	202,179	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,353	3/4	172,427	3/4	187,469	3/4	202,492	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,667	5	172,741	5	187,782	5	202,805	5		5		5		5		5		5	
1/4	157,981	1/4	173,055	1/4	188,095	1/4	203,116	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,295	1/2	173,369	1/2	188,408	1/2	203,428	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,609	3/4	173,683	3/4	188,721	3/4	203,739	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,923	6	173,997	6	189,034	6	204,051	6		6		6		6		6		6	
1/4	159,237	1/4	174,311	1/4	189,347	1/4	204,360	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,551	1/2	174,625	1/2	189,660	1/2	204,670	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,865	3/4	174,939	3/4	189,973	3/4	204,980	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,179	7	175,253	7	190,286	7	205,290	7		7		7		7		7		7	
1/4	160,493	1/4	175,567	1/4	190,599	1/4	205,600	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,807	1/2	175,881	1/2	190,912	1/2	205,910	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,121	3/4	176,195	3/4	191,225	3/4	206,220	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,435	8	176,509	8	191,538	8	206,530	8		8		8		8		8		8	
1/4	161,749	1/4	176,823	1/4	191,851	1/4	206,840	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,063	1/2	177,137	1/2	192,164	1/2	207,150	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,377	3/4	177,451	3/4	192,477	3/4	207,460	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,691	9	177,765	9	192,790	9	207,770	9		9		9		9		9		9	
1/4	163,005	1/4	178,079	1/4	193,103	1/4	208,080	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,319	1/2	178,392	1/2	193,416	1/2	208,390	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,634	3/4	178,706	3/4	193,729	3/4	208,700	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,948	10	179,019	10	194,042	10	209,010	10		10		10		10		10		10	
1/4	164,262	1/4	179,332	1/4	194,355	1/4	209,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,576	1/2	179,645	1/2	194,668	1/2	209,629	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,890	3/4	179,958	3/4	194,981	3/4	209,938	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,204	11	180,271	11	195,294	11	210,248	11		11		11		11		11		11	
1/4	165,518	1/4	180,584	1/4	195,607	1/4	210,554	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,832	1/2	180,897	1/2	195,920	1/2	210,859	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,146	3/4	181,210	3/4	196,232	3/4	211,165	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3038"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	1,028	0	15,632	0	30,620	0	45,379	0	59,936	0	74,845	0	89,810	0	104,787	0	119,754	0	134,718
1/4	1,263	1/4	15,945	1/4	30,932	1/4	45,681	1/4	60,247	1/4	75,155	1/4	90,122	1/4	105,099	1/4	120,066	1/4	135,030
1/2	1,497	1/2	16,257	1/2	31,245	1/2	45,983	1/2	60,559	1/2	75,465	1/2	90,434	1/2	105,411	1/2	120,378	1/2	135,342
3/4	1,732	3/4	16,569	3/4	31,557	3/4	46,284	3/4	60,871	3/4	75,775	3/4	90,746	3/4	105,724	3/4	120,690	3/4	135,653
1	1,966	1	16,881	1	31,869	1	46,586	1	61,183	1	76,086	1	91,058	1	106,036	1	121,001	1	135,965
1/4	2,259	1/4	17,194	1/4	32,182	1/4	46,888	1/4	61,495	1/4	76,396	1/4	91,369	1/4	106,348	1/4	121,313	1/4	136,277
1/2	2,551	1/2	17,506	1/2	32,494	1/2	47,190	1/2	61,807	1/2	76,706	1/2	91,681	1/2	106,660	1/2	121,625	1/2	136,589
3/4	2,844	3/4	17,818	3/4	32,806	3/4	47,492	3/4	62,119	3/4	77,016	3/4	91,993	3/4	106,972	3/4	121,937	3/4	136,900
2	3,136	2	18,131	2	33,118	2	47,794	2	62,431	2	77,327	2	92,305	2	107,284	2	122,248	2	137,212
1/4	3,448	1/4	18,443	1/4	33,431	1/4	48,096	1/4	62,742	1/4	77,638	1/4	92,617	1/4	107,596	1/4	122,560	1/4	137,524
1/2	3,760	1/2	18,755	1/2	33,743	1/2	48,399	1/2	63,053	1/2	77,949	1/2	92,929	1/2	107,908	1/2	122,872	1/2	137,836
3/4	4,071	3/4	19,067	3/4	34,055	3/4	48,701	3/4	63,364	3/4	78,260	3/4	93,241	3/4	108,219	3/4	123,183	3/4	138,147
3	4,383	3	19,380	3	34,368	3	49,004	3	63,675	3	78,572	3	93,553	3	108,531	3	123,495	3	138,459
1/4	4,696	1/4	19,692	1/4	34,679	1/4	49,306	1/4	63,985	1/4	78,884	1/4	93,865	1/4	108,843	1/4	123,807	1/4	138,771
1/2	5,008	1/2	20,004	1/2	34,991	1/2	49,609	1/2	64,296	1/2	79,196	1/2	94,177	1/2	109,155	1/2	124,119	1/2	139,083
3/4	5,321	3/4	20,317	3/4	35,303	3/4	49,911	3/4	64,606	3/4	79,508	3/4	94,489	3/4	109,467	3/4	124,430	3/4	139,394
4	5,633	4	20,629	4	35,615	4	50,213	4	64,916	4	79,821	4	94,800	4	109,778	4	124,742	4	139,706
1/4	5,945	1/4	20,941	1/4	35,923	1/4	50,516	1/4	65,227	1/4	80,133	1/4	95,112	1/4	110,090	1/4	125,054	1/4	140,018
1/2	6,258	1/2	21,253	1/2	36,231	1/2	50,818	1/2	65,537	1/2	80,445	1/2	95,424	1/2	110,402	1/2	125,366	1/2	140,329
3/4	6,570	3/4	21,566	3/4	36,539	3/4	51,121	3/4	65,847	3/4	80,757	3/4	95,736	3/4	110,714	3/4	125,677	3/4	140,641
5	6,883	5	21,878	5	36,847	5	51,423	5	66,157	5	81,069	5	96,048	5	111,025	5	125,989	5	140,953
1/4	7,195	1/4	22,190	1/4	37,152	1/4	51,726	1/4	66,468	1/4	81,382	1/4	96,360	1/4	111,337	1/4	126,301	1/4	141,264
1/2	7,508	1/2	22,503	1/2	37,457	1/2	52,028	1/2	66,778	1/2	81,694	1/2	96,672	1/2	111,649	1/2	126,613	1/2	141,576
3/4	7,820	3/4	22,815	3/4	37,762	3/4	52,330	3/4	67,088	3/4	82,006	3/4	96,984	3/4	111,961	3/4	126,924	3/4	141,887
6	8,133	6	23,127	6	38,067	6	52,633	6	67,398	6	82,318	6	97,296	6	112,272	6	127,236	6	142,199
1/4	8,446	1/4	23,439	1/4	38,372	1/4	52,935	1/4	67,709	1/4	82,631	1/4	97,608	1/4	112,584	1/4	127,548	1/4	142,506
1/2	8,758	1/2	23,752	1/2	38,677	1/2	53,238	1/2	68,019	1/2	82,943	1/2	97,920	1/2	112,896	1/2	127,860	1/2	142,813
3/4	9,071	3/4	24,064	3/4	38,982	3/4	53,540	3/4	68,329	3/4	83,255	3/4	98,232	3/4	113,208	3/4	128,171	3/4	143,120
7	9,384	7	24,376	7	39,287	7	53,843	7	68,639	7	83,567	7	98,544	7	113,519	7	128,483	7	143,427
1/4	9,696	1/4	24,689	1/4	39,592	1/4	54,145	1/4	68,950	1/4	83,880	1/4	98,856	1/4	113,831	1/4	128,795	1/4	143,721
1/2	10,009	1/2	25,001	1/2	39,897	1/2	54,447	1/2	69,260	1/2	84,192	1/2	99,168	1/2	114,143	1/2	129,107	1/2	144,016
3/4	10,322	3/4	25,313	3/4	40,202	3/4	54,750	3/4	69,570	3/4	84,504	3/4	99,480	3/4	114,455	3/4	129,418	3/4	144,311
8	10,635	8	25,626	8	40,507	8	55,052	8	69,880	8	84,816	8	99,793	8	114,766	8	129,730	8	144,605
1/4	10,947	1/4	25,938	1/4	40,812	1/4	55,355	1/4	70,191	1/4	85,128	1/4	100,105	1/4	115,078	1/4	130,042	1/4	144,884
1/2	11,260	1/2	26,250	1/2	41,117	1/2	55,657	1/2	70,501	1/2	85,441	1/2	100,417	1/2	115,390	1/2	130,354	1/2	145,162
3/4	11,572	3/4	26,562	3/4	41,422	3/4	55,960	3/4	70,811	3/4	85,753	3/4	100,729	3/4	115,702	3/4	130,665	3/4	145,441
9	11,885	9	26,874	9	41,726	9	56,262	9	71,121	9	86,065	9	101,041	9	116,013	9	130,977	9	145,719
1/4	12,197	1/4	27,187	1/4	42,031	1/4	56,566	1/4	71,432	1/4	86,377	1/4	101,353	1/4	116,325	1/4	131,289	1/4	145,982
1/2	12,509	1/2	27,499	1/2	42,336	1/2	56,870	1/2	71,742	1/2	86,690	1/2	101,665	1/2	116,637	1/2	131,601	1/2	146,245
3/4	12,822	3/4	27,811	3/4	42,641	3/4	57,174	3/4	72,052	3/4	87,002	3/4	101,978	3/4	116,949	3/4	131,912	3/4	146,508
10	13,134	10	28,123	10	42,946	10	57,478	10	72,363	10	87,314	10	102,290	10	117,260	10	132,224	10	146,771
1/4	13,446	1/4	28,435	1/4	43,251	1/4	57,784	1/4	72,673	1/4	87,626	1/4	102,602	1/4	117,572	1/4	132,536	1/4	147,018
1/2	13,759	1/2	28,747	1/2	43,556	1/2	58,089	1/2	72,983	1/2	87,938	1/2	102,914	1/2	117,884	1/2	132,848	1/2	147,265
3/4	14,071	3/4	29,059	3/4	43,861	3/4	58,395	3/4	73,293	3/4	88,250	3/4	103,226	3/4	118,196	3/4	133,159	3/4	147,513
11	14,383	11	29,371	11	44,166	11	58,700	11	73,604	11	88,562	11	103,538	11	118,507	11	133,471	11	147,760
1/4	14,695	1/4	29,684	1/4	44,469	1/4	59,009	1/4	73,914	1/4	88,874	1/4	103,851	1/4	118,819	1/4	133,783	1/4	147,991
1/2	15,008	1/2	29,996	1/2	44,773	1/2	59,318	1/2	74,224	1/2	89,186	1/2	104,163	1/2	119,131	1/2	134,095	1/2	148,222
3/4	15,320	3/4	30,308	3/4	45,076	3/4	59,627	3/4	74,534	3/4	89,498	3/4	104,475	3/4	119,443	3/4	134,406	3/4	148,453

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3038"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	148,684	0	159,065	0	169,425	0	179,756	0	190,072	0		0		0		0		0	
1/4	148,904	1/4	159,281	1/4	169,640	1/4	179,971	1/4	190,265	1/4		1/4		1/4		1/4		1/4	
1/2	149,123	1/2	159,497	1/2	169,855	1/2	180,186	1/2	190,458	1/2		1/2		1/2		1/2		1/2	
3/4	149,343	3/4	159,713	3/4	170,071	3/4	180,401	3/4	190,651	3/4		3/4		3/4		3/4		3/4	
1	149,562	1	159,929	1	170,286	1	180,617	1	190,844	1		1		1		1		1	
1/4	149,778	1/4	160,145	1/4	170,501	1/4	180,832	1/4	191,004	1/4		1/4		1/4		1/4		1/4	
1/2	149,994	1/2	160,361	1/2	170,716	1/2	181,047	1/2	191,163	1/2		1/2		1/2		1/2		1/2	
3/4	150,210	3/4	160,577	3/4	170,932	3/4	181,262	3/4	191,323	3/4		3/4		3/4		3/4		3/4	
2	150,426	2	160,793	2	171,147	2	181,478	2	191,483	2		2		2		2		2	
1/4	150,642	1/4	161,009	1/4	171,362	1/4	181,693	1/4	191,606	1/4		1/4		1/4		1/4		1/4	
1/2	150,858	1/2	161,225	1/2	171,577	1/2	181,908	1/2	191,730	1/2		1/2		1/2		1/2		1/2	
3/4	151,074	3/4	161,441	3/4	171,792	3/4	182,123	3/4	191,854	3/4		3/4		3/4		3/4		3/4	
3	151,290	3	161,657	3	172,008	3	182,338	3	191,977	3		3		3		3		3	
1/4	151,506	1/4	161,873	1/4	172,223	1/4	182,554	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,722	1/2	162,089	1/2	172,438	1/2	182,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,938	3/4	162,305	3/4	172,653	3/4	182,984	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,154	4	162,521	4	172,869	4	183,199	4		4		4		4		4		4	
1/4	152,370	1/4	162,737	1/4	173,084	1/4	183,415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,586	1/2	162,953	1/2	173,299	1/2	183,630	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,802	3/4	163,169	3/4	173,514	3/4	183,845	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,018	5	163,385	5	173,729	5	184,060	5		5		5		5		5		5	
1/4	153,234	1/4	163,601	1/4	173,945	1/4	184,275	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,450	1/2	163,817	1/2	174,160	1/2	184,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,666	3/4	164,033	3/4	174,375	3/4	184,706	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,882	6	164,249	6	174,590	6	184,921	6		6		6		6		6		6	
1/4	154,098	1/4	164,465	1/4	174,806	1/4	185,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,314	1/2	164,681	1/2	175,021	1/2	185,352	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,530	3/4	164,897	3/4	175,236	3/4	185,567	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,746	7	165,113	7	175,451	7	185,782	7		7		7		7		7		7	
1/4	154,962	1/4	165,329	1/4	175,666	1/4	185,997	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,178	1/2	165,545	1/2	175,882	1/2	186,213	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,394	3/4	165,761	3/4	176,097	3/4	186,428	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,610	8	165,977	8	176,312	8	186,643	8		8		8		8		8		8	
1/4	155,826	1/4	166,193	1/4	176,527	1/4	186,858	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,042	1/2	166,409	1/2	176,743	1/2	187,074	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,258	3/4	166,625	3/4	176,958	3/4	187,289	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,474	9	166,841	9	177,173	9	187,504	9		9		9		9		9		9	
1/4	156,690	1/4	167,056	1/4	177,388	1/4	187,720	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,906	1/2	167,272	1/2	177,603	1/2	187,935	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,121	3/4	167,488	3/4	177,819	3/4	188,150	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,337	10	167,703	10	178,034	10	188,366	10		10		10		10		10		10	
1/4	157,553	1/4	167,918	1/4	178,249	1/4	188,581	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,769	1/2	168,134	1/2	178,464	1/2	188,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,985	3/4	168,349	3/4	178,680	3/4	189,011	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,201	11	168,564	11	178,895	11	189,225	11		11		11		11		11		11	
1/4	158,417	1/4	168,779	1/4	179,110	1/4	189,437	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,633	1/2	168,995	1/2	179,325	1/2	189,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,849	3/4	169,210	3/4	179,541	3/4	189,860	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HSM 3038"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	1,029	0	15,651	0	30,673	0	45,680	0	60,700	0	75,723	0	90,746	0	105,768	0	120,774	0	135,777
1/4	1,263	1/4	15,964	1/4	30,986	1/4	45,992	1/4	61,013	1/4	76,036	1/4	91,059	1/4	106,081	1/4	121,087	1/4	136,089
1/2	1,498	1/2	16,277	1/2	31,299	1/2	46,305	1/2	61,326	1/2	76,349	1/2	91,372	1/2	106,394	1/2	121,399	1/2	136,402
3/4	1,733	3/4	16,590	3/4	31,612	3/4	46,618	3/4	61,639	3/4	76,662	3/4	91,685	3/4	106,707	3/4	121,712	3/4	136,714
1	1,967	1	16,903	1	31,925	1	46,930	1	61,952	1	76,975	1	91,998	1	107,020	1	122,024	1	137,027
1/4	2,260	1/4	17,216	1/4	32,238	1/4	47,243	1/4	62,265	1/4	77,288	1/4	92,311	1/4	107,333	1/4	122,337	1/4	137,340
1/2	2,553	1/2	17,529	1/2	32,551	1/2	47,556	1/2	62,578	1/2	77,601	1/2	92,623	1/2	107,646	1/2	122,650	1/2	137,652
3/4	2,845	3/4	17,842	3/4	32,864	3/4	47,869	3/4	62,891	3/4	77,914	3/4	92,936	3/4	107,959	3/4	122,962	3/4	137,965
2	3,138	2	18,155	2	33,177	2	48,182	2	63,204	2	78,227	2	93,249	2	108,271	2	123,275	2	138,277
1/4	3,450	1/4	18,468	1/4	33,490	1/4	48,495	1/4	63,517	1/4	78,540	1/4	93,562	1/4	108,584	1/4	123,587	1/4	138,590
1/2	3,762	1/2	18,781	1/2	33,803	1/2	48,808	1/2	63,830	1/2	78,853	1/2	93,875	1/2	108,897	1/2	123,900	1/2	138,902
3/4	4,074	3/4	19,094	3/4	34,116	3/4	49,121	3/4	64,143	3/4	79,166	3/4	94,188	3/4	109,209	3/4	124,212	3/4	139,215
3	4,386	3	19,407	3	34,429	3	49,434	3	64,456	3	79,479	3	94,501	3	109,522	3	124,525	3	139,527
1/4	4,699	1/4	19,720	1/4	34,742	1/4	49,747	1/4	64,769	1/4	79,792	1/4	94,814	1/4	109,835	1/4	124,837	1/4	139,840
1/2	5,011	1/2	20,033	1/2	35,054	1/2	50,060	1/2	65,082	1/2	80,105	1/2	95,127	1/2	110,147	1/2	125,150	1/2	140,152
3/4	5,324	3/4	20,346	3/4	35,367	3/4	50,372	3/4	65,395	3/4	80,418	3/4	95,440	3/4	110,460	3/4	125,462	3/4	140,465
4	5,637	4	20,659	4	35,680	4	50,685	4	65,708	4	80,731	4	95,753	4	110,772	4	125,775	4	140,778
1/4	5,950	1/4	20,972	1/4	35,992	1/4	50,998	1/4	66,021	1/4	81,044	1/4	96,066	1/4	111,085	1/4	126,088	1/4	141,090
1/2	6,263	1/2	21,285	1/2	36,305	1/2	51,311	1/2	66,334	1/2	81,357	1/2	96,379	1/2	111,398	1/2	126,400	1/2	141,403
3/4	6,576	3/4	21,598	3/4	36,617	3/4	51,624	3/4	66,647	3/4	81,670	3/4	96,692	3/4	111,710	3/4	126,713	3/4	141,715
5	6,888	5	21,911	5	36,930	5	51,937	5	66,960	5	81,982	5	97,005	5	112,023	5	127,025	5	142,028
1/4	7,201	1/4	22,224	1/4	37,242	1/4	52,250	1/4	67,273	1/4	82,295	1/4	97,318	1/4	112,335	1/4	127,338	1/4	142,340
1/2	7,514	1/2	22,536	1/2	37,555	1/2	52,563	1/2	67,586	1/2	82,608	1/2	97,631	1/2	112,648	1/2	127,650	1/2	142,652
3/4	7,827	3/4	22,849	3/4	37,867	3/4	52,876	3/4	67,899	3/4	82,921	3/4	97,944	3/4	112,960	3/4	127,963	3/4	142,964
6	8,140	6	23,162	6	38,180	6	53,189	6	68,212	6	83,234	6	98,257	6	113,273	6	128,275	6	143,277
1/4	8,453	1/4	23,475	1/4	38,492	1/4	53,502	1/4	68,525	1/4	83,547	1/4	98,570	1/4	113,585	1/4	128,588	1/4	143,584
1/2	8,766	1/2	23,788	1/2	38,805	1/2	53,815	1/2	68,838	1/2	83,860	1/2	98,883	1/2	113,898	1/2	128,901	1/2	143,892
3/4	9,079	3/4	24,101	3/4	39,117	3/4	54,128	3/4	69,151	3/4	84,173	3/4	99,196	3/4	114,211	3/4	129,213	3/4	144,200
7	9,392	7	24,414	7	39,430	7	54,441	7	69,464	7	84,486	7	99,509	7	114,523	7	129,526	7	144,508
1/4	9,705	1/4	24,727	1/4	39,742	1/4	54,754	1/4	69,777	1/4	84,799	1/4	99,822	1/4	114,836	1/4	129,838	1/4	144,803
1/2	10,018	1/2	25,040	1/2	40,055	1/2	55,067	1/2	70,090	1/2	85,112	1/2	100,135	1/2	115,148	1/2	130,151	1/2	145,099
3/4	10,331	3/4	25,353	3/4	40,367	3/4	55,380	3/4	70,403	3/4	85,425	3/4	100,448	3/4	115,461	3/4	130,463	3/4	145,394
8	10,644	8	25,666	8	40,679	8	55,693	8	70,716	8	85,738	8	100,761	8	115,773	8	130,776	8	145,690
1/4	10,957	1/4	25,979	1/4	40,992	1/4	56,006	1/4	71,029	1/4	86,051	1/4	101,074	1/4	116,086	1/4	131,088	1/4	145,969
1/2	11,270	1/2	26,292	1/2	41,304	1/2	56,319	1/2	71,341	1/2	86,364	1/2	101,387	1/2	116,398	1/2	131,401	1/2	146,248
3/4	11,583	3/4	26,605	3/4	41,617	3/4	56,632	3/4	71,654	3/4	86,677	3/4	101,700	3/4	116,711	3/4	131,714	3/4	146,528
9	11,896	9	26,918	9	41,929	9	56,945	9	71,967	9	86,990	9	102,013	9	117,024	9	132,026	9	146,807
1/4	12,209	1/4	27,231	1/4	42,242	1/4	57,258	1/4	72,280	1/4	87,303	1/4	102,326	1/4	117,336	1/4	132,339	1/4	147,070
1/2	12,522	1/2	27,544	1/2	42,554	1/2	57,571	1/2	72,593	1/2	87,616	1/2	102,639	1/2	117,649	1/2	132,651	1/2	147,334
3/4	12,835	3/4	27,857	3/4	42,867	3/4	57,884	3/4	72,906	3/4	87,929	3/4	102,952	3/4	117,961	3/4	132,964	3/4	147,597
10	13,148	10	28,170	10	43,179	10	58,197	10	73,219	10	88,242	10	103,264	10	118,274	10	133,276	10	147,860
1/4	13,461	1/4	28,483	1/4	43,492	1/4	58,510	1/4	73,532	1/4	88,555	1/4	103,577	1/4	118,586	1/4	133,589	1/4	148,108
1/2	13,774	1/2	28,796	1/2	43,804	1/2	58,823	1/2	73,845	1/2	88,868	1/2	103,890	1/2	118,899	1/2	133,901	1/2	148,355
3/4	14,087	3/4	29,109	3/4	44,117	3/4	59,136	3/4	74,158	3/4	89,181	3/4	104,203	3/4	119,211	3/4	134,214	3/4	148,603
11	14,400	11	29,422	11	44,429	11	59,449	11	74,471	11	89,494	11	104,516	11	119,524	11	134,527	11	148,850
1/4	14,712	1/4	29,735	1/4	44,742	1/4	59,762	1/4	74,784	1/4	89,807	1/4	104,829	1/4	119,837	1/4	134,839	1/4	149,081
1/2	15,025	1/2	30,048	1/2	45,054	1/2	60,075	1/2	75,097	1/2	90,120	1/2	105,142	1/2	120,149	1/2	135,152	1/2	149,312
3/4	15,338	3/4	30,361	3/4	45,367	3/4	60,388	3/4	75,410	3/4	90,433	3/4	105,455	3/4	120,462	3/4	135,464	3/4	149,544

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 THREADS ON "MMC" VALVE OR 8" HATCH  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "HSM 3038"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	149,775	0	160,160	0	170,524	0	180,859	0	191,179	0		0		0		0		0	
1/4	149,995	1/4	160,377	1/4	170,739	1/4	181,074	1/4	191,372	1/4		1/4		1/4		1/4		1/4	
1/2	150,214	1/2	160,593	1/2	170,955	1/2	181,290	1/2	191,566	1/2		1/2		1/2		1/2		1/2	
3/4	150,434	3/4	160,809	3/4	171,170	3/4	181,505	3/4	191,759	3/4		3/4		3/4		3/4		3/4	
1	150,653	1	161,025	1	171,385	1	181,720	1	191,952	1		1		1		1		1	
1/4	150,869	1/4	161,241	1/4	171,601	1/4	181,936	1/4	192,111	1/4		1/4		1/4		1/4		1/4	
1/2	151,086	1/2	161,457	1/2	171,816	1/2	182,151	1/2	192,271	1/2		1/2		1/2		1/2		1/2	
3/4	151,302	3/4	161,673	3/4	172,031	3/4	182,366	3/4	192,431	3/4		3/4		3/4		3/4		3/4	
2	151,518	2	161,889	2	172,247	2	182,581	2	192,591	2		2		2		2		2	
1/4	151,734	1/4	162,105	1/4	172,462	1/4	182,797	1/4	192,714	1/4		1/4		1/4		1/4		1/4	
1/2	151,950	1/2	162,321	1/2	172,677	1/2	183,012	1/2	192,838	1/2		1/2		1/2		1/2		1/2	
3/4	152,166	3/4	162,537	3/4	172,893	3/4	183,227	3/4	192,962	3/4		3/4		3/4		3/4		3/4	
3	152,382	3	162,753	3	173,108	3	183,443	3	193,085	3		3		3		3		3	
1/4	152,598	1/4	162,969	1/4	173,323	1/4	183,658	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,814	1/2	163,185	1/2	173,538	1/2	183,873	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,030	3/4	163,401	3/4	173,754	3/4	184,089	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,246	4	163,618	4	173,969	4	184,304	4		4		4		4		4		4	
1/4	153,462	1/4	163,834	1/4	174,184	1/4	184,519	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,678	1/2	164,050	1/2	174,400	1/2	184,735	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,894	3/4	164,266	3/4	174,615	3/4	184,950	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,111	5	164,482	5	174,830	5	185,165	5		5		5		5		5		5	
1/4	154,327	1/4	164,698	1/4	175,046	1/4	185,380	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,543	1/2	164,914	1/2	175,261	1/2	185,596	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,759	3/4	165,130	3/4	175,476	3/4	185,811	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,975	6	165,346	6	175,692	6	186,026	6		6		6		6		6		6	
1/4	155,191	1/4	165,562	1/4	175,907	1/4	186,242	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,407	1/2	165,778	1/2	176,122	1/2	186,457	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,623	3/4	165,994	3/4	176,337	3/4	186,672	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,839	7	166,210	7	176,553	7	186,888	7		7		7		7		7		7	
1/4	156,055	1/4	166,426	1/4	176,768	1/4	187,103	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,271	1/2	166,643	1/2	176,983	1/2	187,318	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,487	3/4	166,859	3/4	177,199	3/4	187,534	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,703	8	167,075	8	177,414	8	187,749	8		8		8		8		8		8	
1/4	156,919	1/4	167,291	1/4	177,629	1/4	187,964	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,135	1/2	167,507	1/2	177,845	1/2	188,180	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,352	3/4	167,723	3/4	178,060	3/4	188,395	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,568	9	167,939	9	178,275	9	188,611	9		9		9		9		9		9	
1/4	157,784	1/4	168,155	1/4	178,491	1/4	188,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,000	1/2	168,370	1/2	178,706	1/2	189,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,216	3/4	168,586	3/4	178,921	3/4	189,257	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,432	10	168,802	10	179,137	10	189,472	10		10		10		10		10		10	
1/4	158,648	1/4	169,017	1/4	179,352	1/4	189,687	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,864	1/2	169,232	1/2	179,567	1/2	189,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,080	3/4	169,448	3/4	179,782	3/4	190,117	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,296	11	169,663	11	179,998	11	190,332	11		11		11		11		11		11	
1/4	159,512	1/4	169,878	1/4	180,213	1/4	190,544	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,728	1/2	170,094	1/2	180,428	1/2	190,756	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,944	3/4	170,309	3/4	180,644	3/4	190,968	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT  
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# BARGE "HSM 3038"

## PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	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.

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 AT GAUGE POINT

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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





# BARGE "HSM 3038"

## STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	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.

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 AT GAUGE POINT

STRAPPED: 02/03/2020 CL  
CALCULATED: 02/04/2020 CL  
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2020

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



# BARGE "HSM 3038"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 4'-06"

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	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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