



# BARGE "DBL 148"

## INNAGE TRIM TABLE

	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>
<b>1 CENTER</b>	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
<b>2 CENTER</b>	- 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	- 00-1/4	00-1/4
<b>3 CENTER</b>	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 158'-06"

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4'

December 10, 2021



# BARGE "DBL 148"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	27	0	9,412	0	19,920	0	30,666	0	41,412	0	52,052	0	62,803	0	73,554	0	84,304	0	95,050
1/4	65	1/4	9,636	1/4	20,144	1/4	30,890	1/4	41,633	1/4	52,276	1/4	63,027	1/4	73,778	1/4	84,528	1/4	95,274
1/2	102	1/2	9,860	1/2	20,368	1/2	31,114	1/2	41,854	1/2	52,500	1/2	63,251	1/2	74,002	1/2	84,751	1/2	95,498
3/4	139	3/4	10,084	3/4	20,592	3/4	31,338	3/4	42,075	3/4	52,724	3/4	63,475	3/4	74,226	3/4	84,975	3/4	95,722
1	177	1	10,308	1	20,816	1	31,562	1	42,296	1	52,948	1	63,699	1	74,450	1	85,199	1	95,945
1/4	289	1/4	10,526	1/4	21,040	1/4	31,786	1/4	42,517	1/4	53,172	1/4	63,923	1/4	74,674	1/4	85,423	1/4	96,169
1/2	401	1/2	10,744	1/2	21,264	1/2	32,010	1/2	42,738	1/2	53,396	1/2	64,147	1/2	74,898	1/2	85,671	1/2	96,393
3/4	514	3/4	10,962	3/4	21,488	3/4	32,233	3/4	42,959	3/4	53,620	3/4	64,371	3/4	75,122	3/4	85,871	3/4	96,617
2	626	2	11,180	2	21,711	2	32,457	2	43,180	2	53,844	2	64,595	2	75,345	2	86,095	2	96,841
1/4	813	1/4	11,398	1/4	21,935	1/4	32,681	1/4	43,400	1/4	54,068	1/4	64,819	1/4	75,569	1/4	86,319	1/4	97,065
1/2	999	1/2	11,616	1/2	22,159	1/2	32,905	1/2	43,621	1/2	54,292	1/2	65,043	1/2	75,793	1/2	86,542	1/2	97,289
3/4	1,186	3/4	11,834	3/4	22,383	3/4	33,129	3/4	43,842	3/4	54,516	3/4	65,267	3/4	76,017	3/4	86,766	3/4	97,513
3	1,373	3	12,052	3	22,607	3	33,353	3	44,063	3	54,740	3	65,491	3	76,241	3	86,990	3	97,736
1/4	1,594	1/4	12,270	1/4	22,831	1/4	33,577	1/4	44,284	1/4	54,964	1/4	65,715	1/4	76,465	1/4	87,214	1/4	97,960
1/2	1,815	1/2	12,487	1/2	23,055	1/2	33,801	1/2	44,505	1/2	55,188	1/2	65,939	1/2	76,689	1/2	87,438	1/2	98,184
3/4	2,035	3/4	12,705	3/4	23,279	3/4	34,024	3/4	44,726	3/4	55,412	3/4	66,163	3/4	76,913	3/4	87,662	3/4	98,408
4	2,256	4	12,923	4	23,502	4	34,248	4	44,947	4	55,636	4	66,387	4	77,137	4	87,886	4	98,632
1/4	2,479	1/4	13,141	1/4	23,726	1/4	34,472	1/4	45,168	1/4	55,860	1/4	66,611	1/4	77,361	1/4	88,110	1/4	98,856
1/2	2,701	1/2	13,359	1/2	23,950	1/2	34,696	1/2	45,389	1/2	56,084	1/2	66,835	1/2	77,585	1/2	88,333	1/2	99,080
3/4	2,924	3/4	13,577	3/4	24,174	3/4	34,920	3/4	45,610	3/4	56,308	3/4	67,059	3/4	77,809	3/4	88,557	3/4	99,304
5	3,147	5	13,795	5	24,398	5	35,144	5	45,830	5	56,532	5	67,282	5	78,033	5	88,781	5	99,528
1/4	3,370	1/4	14,013	1/4	24,622	1/4	35,368	1/4	46,051	1/4	56,756	1/4	67,506	1/4	78,257	1/4	89,005	1/4	99,751
1/2	3,593	1/2	14,231	1/2	24,846	1/2	35,592	1/2	46,272	1/2	56,980	1/2	67,730	1/2	78,481	1/2	89,229	1/2	99,975
3/4	3,816	3/4	14,448	3/4	25,069	3/4	35,815	3/4	46,493	3/4	57,204	3/4	67,954	3/4	78,705	3/4	89,453	3/4	100,199
6	4,039	6	14,666	6	25,293	6	36,039	6	46,714	6	57,428	6	68,178	6	78,929	6	89,677	6	100,423
1/4	4,263	1/4	14,884	1/4	25,517	1/4	36,263	1/4	46,935	1/4	57,652	1/4	68,402	1/4	79,153	1/4	89,901	1/4	100,647
1/2	4,487	1/2	15,102	1/2	25,741	1/2	36,487	1/2	47,156	1/2	57,876	1/2	68,626	1/2	79,377	1/2	90,125	1/2	100,871
3/4	4,710	3/4	15,320	3/4	25,965	3/4	36,711	3/4	47,377	3/4	58,100	3/4	68,850	3/4	79,601	3/4	90,348	3/4	101,095
7	4,934	7	15,538	7	26,189	7	36,935	7	47,598	7	58,324	7	69,074	7	79,825	7	90,572	7	101,319
1/4	5,158	1/4	15,756	1/4	26,413	1/4	37,159	1/4	47,819	1/4	58,548	1/4	69,298	1/4	80,049	1/4	90,796	1/4	101,542
1/2	5,382	1/2	15,974	1/2	26,637	1/2	37,383	1/2	48,040	1/2	58,772	1/2	69,522	1/2	80,273	1/2	91,020	1/2	101,766
3/4	5,606	3/4	16,192	3/4	26,860	3/4	37,606	3/4	48,260	3/4	58,996	3/4	69,746	3/4	80,497	3/4	91,244	3/4	101,990
8	5,830	8	16,410	8	27,084	8	37,830	8	48,481	8	59,219	8	69,970	8	80,721	8	91,468	8	102,214
1/4	6,054	1/4	16,628	1/4	27,308	1/4	38,054	1/4	48,704	1/4	59,443	1/4	70,194	1/4	80,945	1/4	91,692	1/4	102,438
1/2	6,278	1/2	16,846	1/2	27,532	1/2	38,278	1/2	48,926	1/2	59,667	1/2	70,418	1/2	81,169	1/2	91,916	1/2	102,662
3/4	6,502	3/4	17,064	3/4	27,756	3/4	38,502	3/4	49,149	3/4	59,891	3/4	70,642	3/4	81,393	3/4	92,139	3/4	102,886
9	6,726	9	17,282	9	27,980	9	38,726	9	49,371	9	60,115	9	70,866	9	81,617	9	92,363	9	103,110
1/4	6,950	1/4	17,499	1/4	28,204	1/4	38,950	1/4	49,593	1/4	60,339	1/4	71,090	1/4	81,841	1/4	92,587	1/4	103,334
1/2	7,173	1/2	17,717	1/2	28,428	1/2	39,174	1/2	49,816	1/2	60,563	1/2	71,314	1/2	82,065	1/2	92,811	1/2	103,557
3/4	7,397	3/4	17,935	3/4	28,651	3/4	39,397	3/4	50,038	3/4	60,787	3/4	71,538	3/4	82,289	3/4	93,035	3/4	103,781
10	7,621	10	18,153	10	28,875	10	39,621	10	50,261	10	61,011	10	71,762	10	82,513	10	93,259	10	104,005
1/4	7,845	1/4	18,371	1/4	29,099	1/4	39,845	1/4	50,485	1/4	61,235	1/4	71,986	1/4	82,736	1/4	93,483	1/4	104,229
1/2	8,069	1/2	18,589	1/2	29,323	1/2	40,069	1/2	50,709	1/2	61,459	1/2	72,210	1/2	82,960	1/2	93,707	1/2	104,453
3/4	8,293	3/4	18,807	3/4	29,547	3/4	40,293	3/4	50,933	3/4	61,683	3/4	72,434	3/4	83,184	3/4	93,931	3/4	104,677
11	8,517	11	19,025	11	29,771	11	40,517	11	51,156	11	61,907	11	72,658	11	83,408	11	94,154	11	104,901
1/4	8,741	1/4	19,249	1/4	29,995	1/4	40,741	1/4	51,380	1/4	62,131	1/4	72,882	1/4	83,632	1/4	94,378	1/4	105,125
1/2	8,965	1/2	19,473	1/2	30,219	1/2	40,965	1/2	51,604	1/2	62,355	1/2	73,106	1/2	83,856	1/2	94,602	1/2	105,348
3/4	9,188	3/4	19,697	3/4	30,442	3/4	41,188	3/4	51,828	3/4	62,579	3/4	73,330	3/4	84,080	3/4	94,826	3/4	105,572

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 148"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	105,796	0	115,573	0	125,022	0	134,470	0	143,883	0		0		0		0		0	
1/4	106,020	1/4	115,770	1/4	125,219	1/4	134,667	1/4	144,079	1/4		1/4		1/4		1/4		1/4	
1/2	106,244	1/2	115,967	1/2	125,415	1/2	134,864	1/2	144,274	1/2		1/2		1/2		1/2		1/2	
3/4	106,468	3/4	116,164	3/4	125,612	3/4	135,061	3/4	144,469	3/4		3/4		3/4		3/4		3/4	
1	106,692	1	116,361	1	125,809	1	135,257	1	144,664	1		1		1		1		1	
1/4	106,916	1/4	116,558	1/4	126,006	1/4	135,454	1/4	144,859	1/4		1/4		1/4		1/4		1/4	
1/2	107,141	1/2	116,754	1/2	126,203	1/2	135,651	1/2	145,054	1/2		1/2		1/2		1/2		1/2	
3/4	107,365	3/4	116,951	3/4	126,400	3/4	135,848	3/4	145,249	3/4		3/4		3/4		3/4		3/4	
2	107,589	2	117,148	2	126,596	2	136,045	2	145,444	2		2		2		2		2	
1/4	107,814	1/4	117,345	1/4	126,793	1/4	136,242	1/4	145,639	1/4		1/4		1/4		1/4		1/4	
1/2	108,038	1/2	117,542	1/2	126,990	1/2	136,438	1/2	145,834	1/2		1/2		1/2		1/2		1/2	
3/4	108,263	3/4	117,739	3/4	127,187	3/4	136,635	3/4	146,029	3/4		3/4		3/4		3/4		3/4	
3	108,487	3	117,936	3	127,384	3	136,832	3	146,225	3		3		3		3		3	
1/4	108,684	1/4	118,132	1/4	127,581	1/4	137,029	1/4	146,420	1/4		1/4		1/4		1/4		1/4	
1/2	108,881	1/2	118,329	1/2	127,777	1/2	137,226	1/2	146,615	1/2		1/2		1/2		1/2		1/2	
3/4	109,078	3/4	118,526	3/4	127,974	3/4	137,423	3/4	146,810	3/4		3/4		3/4		3/4		3/4	
4	109,275	4	118,723	4	128,171	4	137,619	4	147,005	4		4		4		4		4	
1/4	109,471	1/4	118,920	1/4	128,368	1/4	137,816	1/4	147,200	1/4		1/4		1/4		1/4		1/4	
1/2	109,668	1/2	119,117	1/2	128,565	1/2	138,013	1/2	147,395	1/2		1/2		1/2		1/2		1/2	
3/4	109,865	3/4	119,313	3/4	128,762	3/4	138,210	3/4	147,590	3/4		3/4		3/4		3/4		3/4	
5	110,062	5	119,510	5	128,959	5	138,407	5	147,785	5		5		5		5		5	
1/4	110,259	1/4	119,707	1/4	129,155	1/4	138,604	1/4	147,978	1/4		1/4		1/4		1/4		1/4	
1/2	110,456	1/2	119,904	1/2	129,352	1/2	138,800	1/2	148,170	1/2		1/2		1/2		1/2		1/2	
3/4	110,652	3/4	120,101	3/4	129,549	3/4	138,997	3/4	148,362	3/4		3/4		3/4		3/4		3/4	
6	110,849	6	120,298	6	129,746	6	139,194	6	148,554	6		6		6		6		6	
1/4	111,046	1/4	120,494	1/4	129,943	1/4	139,391	1/4	148,746	1/4		1/4		1/4		1/4		1/4	
1/2	111,243	1/2	120,691	1/2	130,140	1/2	139,588	1/2	148,939	1/2		1/2		1/2		1/2		1/2	
3/4	111,440	3/4	120,888	3/4	130,336	3/4	139,785	3/4	149,131	3/4		3/4		3/4		3/4		3/4	
7	111,637	7	121,085	7	130,533	7	139,982	7	149,323	7		7		7		7		7	
1/4	111,834	1/4	121,282	1/4	130,730	1/4	140,177	1/4	149,515	1/4		1/4		1/4		1/4		1/4	
1/2	112,030	1/2	121,479	1/2	130,927	1/2	140,372	1/2	149,708	1/2		1/2		1/2		1/2		1/2	
3/4	112,227	3/4	121,675	3/4	131,124	3/4	140,567	3/4	149,900	3/4		3/4		3/4		3/4		3/4	
8	112,424	8	121,872	8	131,321	8	140,762	8	150,092	8		8		8		8		8	
1/4	112,621	1/4	122,069	1/4	131,517	1/4	140,957	1/4	150,275	1/4		1/4		1/4		1/4		1/4	
1/2	112,818	1/2	122,266	1/2	131,714	1/2	141,152	1/2	150,458	1/2		1/2		1/2		1/2		1/2	
3/4	113,015	3/4	122,463	3/4	131,911	3/4	141,347	3/4	150,641	3/4		3/4		3/4		3/4		3/4	
9	113,211	9	122,660	9	132,108	9	141,542	9	150,823	9		9		9		9		9	
1/4	113,408	1/4	122,857	1/4	132,305	1/4	141,737	1/4	150,941	1/4		1/4		1/4		1/4		1/4	
1/2	113,605	1/2	123,053	1/2	132,502	1/2	141,932	1/2	151,058	1/2		1/2		1/2		1/2		1/2	
3/4	113,802	3/4	123,250	3/4	132,698	3/4	142,128	3/4	151,176	3/4		3/4		3/4		3/4		3/4	
10	113,999	10	123,447	10	132,895	10	142,323	10	151,293	10		10		10		10		10	
1/4	114,196	1/4	123,644	1/4	133,092	1/4	142,518	1/4	151,368	1/4		1/4		1/4		1/4		1/4	
1/2	114,392	1/2	123,841	1/2	133,289	1/2	142,713	1/2	151,443	1/2		1/2		1/2		1/2		1/2	
3/4	114,589	3/4	124,038	3/4	133,486	3/4	142,908	3/4	151,517	3/4		3/4		3/4		3/4		3/4	
11	114,786	11	124,234	11	133,683	11	143,103	11	151,592	11		11		11		11		11	
1/4	114,983	1/4	124,431	1/4	133,880	1/4	143,298	1/4	151,611	1/4		1/4		1/4		1/4		1/4	
1/2	115,180	1/2	124,628	1/2	134,076	1/2	143,493	1/2	151,630	1/2		1/2		1/2		1/2		1/2	
3/4	115,377	3/4	124,825	3/4	134,273	3/4	143,688	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "DBL 148"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	27	0	10,545	0	22,280	0	34,340	0	46,401	0	58,461	0	70,521	0	82,582	0	94,641	0	106,695
1/4	69	1/4	10,796	1/4	22,531	1/4	34,591	1/4	46,652	1/4	58,712	1/4	70,772	1/4	82,833	1/4	94,892	1/4	106,947
1/2	111	1/2	11,047	1/2	22,782	1/2	34,843	1/2	46,903	1/2	58,963	1/2	71,024	1/2	83,084	1/2	95,143	1/2	107,198
3/4	153	3/4	11,298	3/4	23,034	3/4	35,094	3/4	47,154	3/4	59,215	3/4	71,275	3/4	83,335	3/4	95,394	3/4	107,449
1	195	1	11,550	1	23,285	1	35,345	1	47,406	1	59,466	1	71,526	1	83,587	1	95,645	1	107,700
1/4	320	1/4	11,793	1/4	23,536	1/4	35,596	1/4	47,657	1/4	59,717	1/4	71,777	1/4	83,838	1/4	95,897	1/4	107,951
1/2	446	1/2	12,037	1/2	23,787	1/2	35,848	1/2	47,908	1/2	59,968	1/2	72,029	1/2	84,089	1/2	96,148	1/2	108,202
3/4	571	3/4	12,280	3/4	24,039	3/4	36,099	3/4	48,159	3/4	60,220	3/4	72,280	3/4	84,340	3/4	96,399	3/4	108,453
2	697	2	12,524	2	24,290	2	36,350	2	48,411	2	60,471	2	72,531	2	84,592	2	96,650	2	108,705
1/4	906	1/4	12,767	1/4	24,541	1/4	36,602	1/4	48,662	1/4	60,722	1/4	72,783	1/4	84,843	1/4	96,901	1/4	108,956
1/2	1,115	1/2	13,011	1/2	24,792	1/2	36,853	1/2	48,913	1/2	60,973	1/2	73,034	1/2	85,094	1/2	97,152	1/2	109,207
3/4	1,324	3/4	13,255	3/4	25,044	3/4	37,104	3/4	49,164	3/4	61,223	3/4	73,285	3/4	85,345	3/4	97,403	3/4	109,458
3	1,533	3	13,498	3	25,295	3	37,355	3	49,416	3	61,476	3	73,536	3	85,597	3	97,655	3	109,709
1/4	1,780	1/4	13,741	1/4	25,546	1/4	37,607	1/4	49,667	1/4	61,727	1/4	73,788	1/4	85,848	1/4	97,906	1/4	109,960
1/2	2,027	1/2	13,984	1/2	25,797	1/2	37,858	1/2	49,918	1/2	61,978	1/2	74,039	1/2	86,099	1/2	98,157	1/2	110,211
3/4	2,274	3/4	14,227	3/4	26,049	3/4	38,109	3/4	50,169	3/4	62,230	3/4	74,290	3/4	86,350	3/4	98,408	3/4	110,462
4	2,521	4	14,470	4	26,300	4	38,360	4	50,421	4	62,481	4	74,541	4	86,602	4	98,659	4	110,714
1/4	2,771	1/4	14,713	1/4	26,551	1/4	38,612	1/4	50,672	1/4	62,732	1/4	74,793	1/4	86,853	1/4	98,910	1/4	110,965
1/2	3,020	1/2	14,956	1/2	26,802	1/2	38,863	1/2	50,923	1/2	62,983	1/2	75,044	1/2	87,104	1/2	99,161	1/2	111,216
3/4	3,269	3/4	15,199	3/4	27,054	3/4	39,114	3/4	51,174	3/4	63,235	3/4	75,295	3/4	87,355	3/4	99,412	3/4	111,467
5	3,518	5	15,442	5	27,305	5	39,365	5	51,426	5	63,486	5	75,546	5	87,607	5	99,664	5	111,718
1/4	3,768	1/4	15,685	1/4	27,556	1/4	39,617	1/4	51,677	1/4	63,737	1/4	75,798	1/4	87,858	1/4	99,915	1/4	111,969
1/2	4,018	1/2	15,928	1/2	27,808	1/2	39,868	1/2	51,928	1/2	63,989	1/2	76,049	1/2	88,109	1/2	100,166	1/2	112,220
3/4	4,269	3/4	16,171	3/4	28,059	3/4	40,119	3/4	52,179	3/4	64,240	3/4	76,300	3/4	88,360	3/4	100,417	3/4	112,472
6	4,519	6	16,414	6	28,310	6	40,370	6	52,431	6	64,491	6	76,551	6	88,612	6	100,668	6	112,723
1/4	4,770	1/4	16,657	1/4	28,561	1/4	40,622	1/4	52,682	1/4	64,742	1/4	76,803	1/4	88,863	1/4	100,919	1/4	112,974
1/2	5,021	1/2	16,900	1/2	28,813	1/2	40,873	1/2	52,933	1/2	64,994	1/2	77,054	1/2	89,114	1/2	101,170	1/2	113,225
3/4	5,272	3/4	17,143	3/4	29,064	3/4	41,124	3/4	53,184	3/4	65,245	3/4	77,305	3/4	89,365	3/4	101,422	3/4	113,476
7	5,523	7	17,386	7	29,315	7	41,375	7	53,436	7	65,496	7	77,556	7	89,617	7	101,673	7	113,727
1/4	5,774	1/4	17,629	1/4	29,566	1/4	41,627	1/4	53,687	1/4	65,747	1/4	77,808	1/4	89,868	1/4	101,924	1/4	113,978
1/2	6,025	1/2	17,872	1/2	29,818	1/2	41,878	1/2	53,938	1/2	65,999	1/2	78,059	1/2	90,119	1/2	102,175	1/2	114,230
3/4	6,276	3/4	18,115	3/4	30,069	3/4	42,129	3/4	54,189	3/4	66,250	3/4	78,310	3/4	90,370	3/4	102,426	3/4	114,481
8	6,528	8	18,358	8	30,320	8	42,380	8	54,441	8	66,501	8	78,561	8	90,622	8	102,677	8	114,732
1/4	6,779	1/4	18,601	1/4	30,571	1/4	42,632	1/4	54,692	1/4	66,752	1/4	78,813	1/4	90,873	1/4	102,928	1/4	114,983
1/2	7,030	1/2	18,844	1/2	30,823	1/2	42,883	1/2	54,943	1/2	67,004	1/2	79,064	1/2	91,124	1/2	103,180	1/2	115,234
3/4	7,281	3/4	19,087	3/4	31,074	3/4	43,134	3/4	55,195	3/4	67,255	3/4	79,315	3/4	91,376	3/4	103,431	3/4	115,485
9	7,532	9	19,331	9	31,325	9	43,385	9	55,446	9	67,506	9	79,566	9	91,627	9	103,682	9	115,736
1/4	7,783	1/4	19,574	1/4	31,576	1/4	43,637	1/4	55,697	1/4	67,757	1/4	79,818	1/4	91,878	1/4	103,933	1/4	115,987
1/2	8,034	1/2	19,817	1/2	31,828	1/2	43,888	1/2	55,948	1/2	68,009	1/2	80,069	1/2	92,129	1/2	104,184	1/2	116,239
3/4	8,285	3/4	20,060	3/4	32,079	3/4	44,139	3/4	56,200	3/4	68,260	3/4	80,320	3/4	92,381	3/4	104,435	3/4	116,490
10	8,536	10	20,303	10	32,330	10	44,390	10	56,451	10	68,511	10	80,571	10	92,632	10	104,686	10	116,741
1/4	8,787	1/4	20,546	1/4	32,581	1/4	44,642	1/4	56,702	1/4	68,762	1/4	80,823	1/4	92,883	1/4	104,937	1/4	116,992
1/2	9,039	1/2	20,789	1/2	32,833	1/2	44,893	1/2	56,953	1/2	69,014	1/2	81,074	1/2	93,134	1/2	105,189	1/2	117,243
3/4	9,290	3/4	21,032	3/4	33,084	3/4	45,144	3/4	57,205	3/4	69,265	3/4	81,325	3/4	93,385	3/4	105,440	3/4	117,494
11	9,541	11	21,275	11	33,335	11	45,396	11	57,456	11	69,516	11	81,577	11	93,636	11	105,691	11	117,745
1/4	9,792	1/4	21,526	1/4	33,586	1/4	45,647	1/4	57,707	1/4	69,767	1/4	81,828	1/4	93,887	1/4	105,942	1/4	117,997
1/2	10,043	1/2	21,777	1/2	33,838	1/2	45,898	1/2	57,958	1/2	70,019	1/2	82,079	1/2	94,139	1/2	106,193	1/2	118,248
3/4	10,294	3/4	22,029	3/4	34,089	3/4	46,149	3/4	58,210	3/4	70,270	3/4	82,330	3/4	94,390	3/4	106,444	3/4	118,499

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 148"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	118,750	0	130,804	0	142,859	0	154,914	0	166,921	0		0		0		0		0	
1/4	119,001	1/4	131,056	1/4	143,110	1/4	155,165	1/4	167,170	1/4		1/4		1/4		1/4		1/4	
1/2	119,252	1/2	131,307	1/2	143,361	1/2	155,416	1/2	167,419	1/2		1/2		1/2		1/2		1/2	
3/4	119,503	3/4	131,558	3/4	143,612	3/4	155,667	3/4	167,668	3/4		3/4		3/4		3/4		3/4	
1	119,754	1	131,809	1	143,864	1	155,918	1	167,917	1		1		1		1		1	
1/4	120,006	1/4	132,060	1/4	144,115	1/4	156,169	1/4	168,165	1/4		1/4		1/4		1/4		1/4	
1/2	120,257	1/2	132,311	1/2	144,366	1/2	156,420	1/2	168,414	1/2		1/2		1/2		1/2		1/2	
3/4	120,508	3/4	132,562	3/4	144,617	3/4	156,671	3/4	168,663	3/4		3/4		3/4		3/4		3/4	
2	120,759	2	132,814	2	144,868	2	156,923	2	168,912	2		2		2		2		2	
1/4	121,010	1/4	133,065	1/4	145,119	1/4	157,174	1/4	169,161	1/4		1/4		1/4		1/4		1/4	
1/2	121,261	1/2	133,316	1/2	145,370	1/2	157,425	1/2	169,409	1/2		1/2		1/2		1/2		1/2	
3/4	121,512	3/4	133,567	3/4	145,622	3/4	157,676	3/4	169,658	3/4		3/4		3/4		3/4		3/4	
3	121,764	3	133,818	3	145,873	3	157,927	3	169,907	3		3		3		3		3	
1/4	122,015	1/4	134,069	1/4	146,124	1/4	158,178	1/4	170,156	1/4		1/4		1/4		1/4		1/4	
1/2	122,266	1/2	134,320	1/2	146,375	1/2	158,429	1/2	170,405	1/2		1/2		1/2		1/2		1/2	
3/4	122,517	3/4	134,572	3/4	146,626	3/4	158,681	3/4	170,653	3/4		3/4		3/4		3/4		3/4	
4	122,768	4	134,823	4	146,877	4	158,932	4	170,902	4		4		4		4		4	
1/4	123,019	1/4	135,074	1/4	147,128	1/4	159,183	1/4	171,151	1/4		1/4		1/4		1/4		1/4	
1/2	123,270	1/2	135,325	1/2	147,379	1/2	159,434	1/2	171,400	1/2		1/2		1/2		1/2		1/2	
3/4	123,522	3/4	135,576	3/4	147,631	3/4	159,685	3/4	171,649	3/4		3/4		3/4		3/4		3/4	
5	123,773	5	135,827	5	147,882	5	159,936	5	171,897	5		5		5		5		5	
1/4	124,024	1/4	136,078	1/4	148,133	1/4	160,187	1/4	172,143	1/4		1/4		1/4		1/4		1/4	
1/2	124,275	1/2	136,329	1/2	148,384	1/2	160,439	1/2	172,389	1/2		1/2		1/2		1/2		1/2	
3/4	124,526	3/4	136,581	3/4	148,635	3/4	160,690	3/4	172,634	3/4		3/4		3/4		3/4		3/4	
6	124,777	6	136,832	6	148,886	6	160,941	6	172,880	6		6		6		6		6	
1/4	125,028	1/4	137,083	1/4	149,137	1/4	161,192	1/4	173,125	1/4		1/4		1/4		1/4		1/4	
1/2	125,279	1/2	137,334	1/2	149,389	1/2	161,443	1/2	173,371	1/2		1/2		1/2		1/2		1/2	
3/4	125,531	3/4	137,585	3/4	149,640	3/4	161,694	3/4	173,617	3/4		3/4		3/4		3/4		3/4	
7	125,782	7	137,836	7	149,891	7	161,945	7	173,862	7		7		7		7		7	
1/4	126,033	1/4	138,087	1/4	150,142	1/4	162,194	1/4	174,108	1/4		1/4		1/4		1/4		1/4	
1/2	126,284	1/2	138,339	1/2	150,393	1/2	162,443	1/2	174,353	1/2		1/2		1/2		1/2		1/2	
3/4	126,535	3/4	138,590	3/4	150,644	3/4	162,692	3/4	174,599	3/4		3/4		3/4		3/4		3/4	
8	126,786	8	138,841	8	150,895	8	162,941	8	174,845	8		8		8		8		8	
1/4	127,037	1/4	139,092	1/4	151,146	1/4	163,189	1/4	175,080	1/4		1/4		1/4		1/4		1/4	
1/2	127,289	1/2	139,343	1/2	151,398	1/2	163,438	1/2	175,315	1/2		1/2		1/2		1/2		1/2	
3/4	127,540	3/4	139,594	3/4	151,649	3/4	163,687	3/4	175,550	3/4		3/4		3/4		3/4		3/4	
9	127,791	9	139,845	9	151,900	9	163,936	9	175,785	9		9		9		9		9	
1/4	128,042	1/4	140,097	1/4	152,151	1/4	164,185	1/4	175,947	1/4		1/4		1/4		1/4		1/4	
1/2	128,293	1/2	140,348	1/2	152,402	1/2	164,433	1/2	176,109	1/2		1/2		1/2		1/2		1/2	
3/4	128,544	3/4	140,599	3/4	152,653	3/4	164,682	3/4	176,271	3/4		3/4		3/4		3/4		3/4	
10	128,795	10	140,850	10	152,904	10	164,931	10	176,433	10		10		10		10		10	
1/4	129,047	1/4	141,101	1/4	153,156	1/4	165,180	1/4	176,516	1/4		1/4		1/4		1/4		1/4	
1/2	129,298	1/2	141,352	1/2	153,407	1/2	165,429	1/2	176,600	1/2		1/2		1/2		1/2		1/2	
3/4	129,549	3/4	141,603	3/4	153,658	3/4	165,677	3/4	176,684	3/4		3/4		3/4		3/4		3/4	
11	129,800	11	141,854	11	153,909	11	165,926	11	176,768	11		11		11		11		11	
1/4	130,051	1/4	142,106	1/4	154,160	1/4	166,175	1/4	176,789	1/4		1/4		1/4		1/4		1/4	
1/2	130,302	1/2	142,357	1/2	154,411	1/2	166,424	1/2	176,809	1/2		1/2		1/2		1/2		1/2	
3/4	130,553	3/4	142,608	3/4	154,662	3/4	166,673	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021

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



# BARGE "DBL 148"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	27	0	9,280	0	19,865	0	30,473	0	41,080	0	51,688	0	62,295	0	72,903	0	83,510	0	94,112
1/4	64	1/4	9,501	1/4	20,086	1/4	30,694	1/4	41,301	1/4	51,909	1/4	62,516	1/4	73,124	1/4	83,731	1/4	94,333
1/2	101	1/2	9,722	1/2	20,307	1/2	30,915	1/2	41,522	1/2	52,130	1/2	62,737	1/2	73,345	1/2	83,952	1/2	94,554
3/4	138	3/4	9,943	3/4	20,528	3/4	31,136	3/4	41,743	3/4	52,351	3/4	62,958	3/4	73,566	3/4	84,172	3/4	94,775
1	174	1	10,164	1	20,749	1	31,357	1	41,964	1	52,572	1	63,179	1	73,787	1	84,393	1	94,996
1/4	285	1/4	10,385	1/4	20,970	1/4	31,578	1/4	42,185	1/4	52,793	1/4	63,400	1/4	74,008	1/4	84,614	1/4	95,217
1/2	395	1/2	10,606	1/2	21,191	1/2	31,799	1/2	42,406	1/2	53,014	1/2	63,621	1/2	74,229	1/2	84,835	1/2	95,438
3/4	506	3/4	10,827	3/4	21,412	3/4	32,020	3/4	42,627	3/4	53,235	3/4	63,842	3/4	74,450	3/4	85,056	3/4	95,658
2	616	2	11,048	2	21,633	2	32,241	2	42,848	2	53,456	2	64,063	2	74,671	2	85,277	2	95,879
1/4	800	1/4	11,269	1/4	21,854	1/4	32,461	1/4	43,069	1/4	53,677	1/4	64,284	1/4	74,892	1/4	85,498	1/4	96,100
1/2	984	1/2	11,489	1/2	22,075	1/2	32,682	1/2	43,290	1/2	53,898	1/2	64,505	1/2	75,113	1/2	85,719	1/2	96,321
3/4	1,168	3/4	11,710	3/4	22,296	3/4	32,903	3/4	43,511	3/4	54,119	3/4	64,726	3/4	75,334	3/4	85,940	3/4	96,542
3	1,352	3	11,930	3	22,517	3	33,124	3	43,732	3	54,340	3	64,947	3	75,555	3	86,160	3	96,763
1/4	1,569	1/4	12,151	1/4	22,738	1/4	33,345	1/4	43,953	1/4	54,561	1/4	65,168	1/4	75,776	1/4	86,381	1/4	96,984
1/2	1,786	1/2	12,371	1/2	22,959	1/2	33,566	1/2	44,174	1/2	54,782	1/2	65,389	1/2	75,997	1/2	86,602	1/2	97,205
3/4	2,004	3/4	12,592	3/4	23,180	3/4	33,787	3/4	44,395	3/4	55,003	3/4	65,610	3/4	76,218	3/4	86,823	3/4	97,426
4	2,221	4	12,812	4	23,401	4	34,008	4	44,616	4	55,224	4	65,831	4	76,439	4	87,044	4	97,646
1/4	2,440	1/4	13,032	1/4	23,622	1/4	34,229	1/4	44,837	1/4	55,445	1/4	66,052	1/4	76,660	1/4	87,265	1/4	97,867
1/2	2,659	1/2	13,253	1/2	23,843	1/2	34,450	1/2	45,058	1/2	55,666	1/2	66,273	1/2	76,881	1/2	87,486	1/2	98,088
3/4	2,878	3/4	13,473	3/4	24,064	3/4	34,671	3/4	45,279	3/4	55,887	3/4	66,494	3/4	77,102	3/4	87,707	3/4	98,309
5	3,097	5	13,693	5	24,285	5	34,892	5	45,500	5	56,108	5	66,715	5	77,323	5	87,927	5	98,530
1/4	3,317	1/4	13,914	1/4	24,506	1/4	35,113	1/4	45,721	1/4	56,329	1/4	66,936	1/4	77,544	1/4	88,148	1/4	98,751
1/2	3,538	1/2	14,134	1/2	24,727	1/2	35,334	1/2	45,942	1/2	56,550	1/2	67,157	1/2	77,765	1/2	88,369	1/2	98,972
3/4	3,758	3/4	14,355	3/4	24,948	3/4	35,555	3/4	46,163	3/4	56,771	3/4	67,378	3/4	77,986	3/4	88,590	3/4	99,193
6	3,978	6	14,575	6	25,169	6	35,776	6	46,384	6	56,992	6	67,599	6	78,207	6	88,811	6	99,414
1/4	4,199	1/4	14,795	1/4	25,390	1/4	35,997	1/4	46,605	1/4	57,213	1/4	67,820	1/4	78,428	1/4	89,032	1/4	99,634
1/2	4,419	1/2	15,016	1/2	25,611	1/2	36,218	1/2	46,826	1/2	57,434	1/2	68,041	1/2	78,649	1/2	89,253	1/2	99,855
3/4	4,640	3/4	15,236	3/4	25,832	3/4	36,439	3/4	47,047	3/4	57,655	3/4	68,262	3/4	78,870	3/4	89,474	3/4	100,076
7	4,861	7	15,456	7	26,053	7	36,660	7	47,268	7	57,876	7	68,483	7	79,091	7	89,695	7	100,297
1/4	5,082	1/4	15,677	1/4	26,274	1/4	36,881	1/4	47,489	1/4	58,097	1/4	68,704	1/4	79,312	1/4	89,915	1/4	100,518
1/2	5,302	1/2	15,897	1/2	26,495	1/2	37,102	1/2	47,710	1/2	58,318	1/2	68,925	1/2	79,533	1/2	90,136	1/2	100,739
3/4	5,523	3/4	16,118	3/4	26,716	3/4	37,323	3/4	47,931	3/4	58,539	3/4	69,146	3/4	79,754	3/4	90,357	3/4	100,960
8	5,744	8	16,338	8	26,937	8	37,544	8	48,152	8	58,760	8	69,367	8	79,975	8	90,578	8	101,181
1/4	5,965	1/4	16,558	1/4	27,158	1/4	37,765	1/4	48,373	1/4	58,981	1/4	69,588	1/4	80,196	1/4	90,799	1/4	101,402
1/2	6,186	1/2	16,779	1/2	27,379	1/2	37,986	1/2	48,594	1/2	59,202	1/2	69,809	1/2	80,417	1/2	91,020	1/2	101,622
3/4	6,407	3/4	16,999	3/4	27,600	3/4	38,207	3/4	48,815	3/4	59,422	3/4	70,030	3/4	80,638	3/4	91,241	3/4	101,843
9	6,628	9	17,219	9	27,821	9	38,428	9	49,036	9	59,643	9	70,251	9	80,859	9	91,462	9	102,064
1/4	6,849	1/4	17,440	1/4	28,042	1/4	38,649	1/4	49,257	1/4	59,864	1/4	70,472	1/4	81,080	1/4	91,683	1/4	102,285
1/2	7,070	1/2	17,660	1/2	28,263	1/2	38,870	1/2	49,478	1/2	60,085	1/2	70,693	1/2	81,301	1/2	91,903	1/2	102,506
3/4	7,291	3/4	17,881	3/4	28,484	3/4	39,091	3/4	49,699	3/4	60,306	3/4	70,914	3/4	81,522	3/4	92,124	3/4	102,727
10	7,512	10	18,101	10	28,705	10	39,312	10	49,920	10	60,527	10	71,135	10	81,743	10	92,345	10	102,948
1/4	7,733	1/4	18,321	1/4	28,926	1/4	39,533	1/4	50,141	1/4	60,748	1/4	71,356	1/4	81,964	1/4	92,566	1/4	103,169
1/2	7,954	1/2	18,542	1/2	29,147	1/2	39,754	1/2	50,362	1/2	60,969	1/2	71,577	1/2	82,184	1/2	92,787	1/2	103,389
3/4	8,175	3/4	18,762	3/4	29,368	3/4	39,975	3/4	50,583	3/4	61,190	3/4	71,798	3/4	82,405	3/4	93,008	3/4	103,610
11	8,396	11	18,982	11	29,589	11	40,196	11	50,804	11	61,411	11	72,019	11	82,626	11	93,229	11	103,831
1/4	8,617	1/4	19,203	1/4	29,810	1/4	40,417	1/4	51,025	1/4	61,632	1/4	72,240	1/4	82,847	1/4	93,450	1/4	104,052
1/2	8,838	1/2	19,424	1/2	30,031	1/2	40,638	1/2	51,246	1/2	61,853	1/2	72,461	1/2	83,068	1/2	93,671	1/2	104,273
3/4	9,059	3/4	19,644	3/4	30,252	3/4	40,859	3/4	51,467	3/4	62,074	3/4	72,682	3/4	83,289	3/4	93,891	3/4	104,494

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 OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 148"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	104,715	0	115,317	0	125,920	0	136,522	0	147,084	0		0		0		0		0	
1/4	104,936	1/4	115,538	1/4	126,141	1/4	136,743	1/4	147,303	1/4		1/4		1/4		1/4		1/4	
1/2	105,157	1/2	115,759	1/2	126,362	1/2	136,964	1/2	147,522	1/2		1/2		1/2		1/2		1/2	
3/4	105,377	3/4	115,980	3/4	126,583	3/4	137,185	3/4	147,741	3/4		3/4		3/4		3/4		3/4	
1	105,598	1	116,201	1	126,803	1	137,406	1	147,960	1		1		1		1		1	
1/4	105,819	1/4	116,422	1/4	127,024	1/4	137,627	1/4	148,179	1/4		1/4		1/4		1/4		1/4	
1/2	106,040	1/2	116,643	1/2	127,245	1/2	137,848	1/2	148,397	1/2		1/2		1/2		1/2		1/2	
3/4	106,261	3/4	116,864	3/4	127,466	3/4	138,069	3/4	148,616	3/4		3/4		3/4		3/4		3/4	
2	106,482	2	117,084	2	127,687	2	138,289	2	148,835	2		2		2		2		2	
1/4	106,703	1/4	117,305	1/4	127,908	1/4	138,510	1/4	149,054	1/4		1/4		1/4		1/4		1/4	
1/2	106,924	1/2	117,526	1/2	128,129	1/2	138,731	1/2	149,273	1/2		1/2		1/2		1/2		1/2	
3/4	107,145	3/4	117,747	3/4	128,350	3/4	138,952	3/4	149,492	3/4		3/4		3/4		3/4		3/4	
3	107,365	3	117,968	3	128,570	3	139,173	3	149,711	3		3		3		3		3	
1/4	107,586	1/4	118,189	1/4	128,791	1/4	139,394	1/4	149,929	1/4		1/4		1/4		1/4		1/4	
1/2	107,807	1/2	118,410	1/2	129,012	1/2	139,615	1/2	150,148	1/2		1/2		1/2		1/2		1/2	
3/4	108,028	3/4	118,631	3/4	129,233	3/4	139,836	3/4	150,367	3/4		3/4		3/4		3/4		3/4	
4	108,249	4	118,852	4	129,454	4	140,057	4	150,586	4		4		4		4		4	
1/4	108,470	1/4	119,072	1/4	129,675	1/4	140,277	1/4	150,805	1/4		1/4		1/4		1/4		1/4	
1/2	108,691	1/2	119,293	1/2	129,896	1/2	140,498	1/2	151,024	1/2		1/2		1/2		1/2		1/2	
3/4	108,912	3/4	119,514	3/4	130,117	3/4	140,719	3/4	151,243	3/4		3/4		3/4		3/4		3/4	
5	109,133	5	119,735	5	130,338	5	140,940	5	151,461	5		5		5		5		5	
1/4	109,353	1/4	119,956	1/4	130,558	1/4	141,161	1/4	151,677	1/4		1/4		1/4		1/4		1/4	
1/2	109,574	1/2	120,177	1/2	130,779	1/2	141,382	1/2	151,894	1/2		1/2		1/2		1/2		1/2	
3/4	109,795	3/4	120,398	3/4	131,000	3/4	141,603	3/4	152,110	3/4		3/4		3/4		3/4		3/4	
6	110,016	6	120,619	6	131,221	6	141,824	6	152,326	6		6		6		6		6	
1/4	110,237	1/4	120,839	1/4	131,442	1/4	142,045	1/4	152,542	1/4		1/4		1/4		1/4		1/4	
1/2	110,458	1/2	121,060	1/2	131,663	1/2	142,265	1/2	152,758	1/2		1/2		1/2		1/2		1/2	
3/4	110,679	3/4	121,281	3/4	131,884	3/4	142,486	3/4	152,974	3/4		3/4		3/4		3/4		3/4	
7	110,900	7	121,502	7	132,105	7	142,707	7	153,190	7		7		7		7		7	
1/4	111,121	1/4	121,723	1/4	132,326	1/4	142,926	1/4	153,406	1/4		1/4		1/4		1/4		1/4	
1/2	111,341	1/2	121,944	1/2	132,546	1/2	143,145	1/2	153,622	1/2		1/2		1/2		1/2		1/2	
3/4	111,562	3/4	122,165	3/4	132,767	3/4	143,364	3/4	153,838	3/4		3/4		3/4		3/4		3/4	
8	111,783	8	122,386	8	132,988	8	143,583	8	154,054	8		8		8		8		8	
1/4	112,004	1/4	122,607	1/4	133,209	1/4	143,801	1/4	154,261	1/4		1/4		1/4		1/4		1/4	
1/2	112,225	1/2	122,827	1/2	133,430	1/2	144,020	1/2	154,468	1/2		1/2		1/2		1/2		1/2	
3/4	112,446	3/4	123,048	3/4	133,651	3/4	144,239	3/4	154,674	3/4		3/4		3/4		3/4		3/4	
9	112,667	9	123,269	9	133,872	9	144,458	9	154,881	9		9		9		9		9	
1/4	112,888	1/4	123,490	1/4	134,093	1/4	144,677	1/4	155,024	1/4		1/4		1/4		1/4		1/4	
1/2	113,108	1/2	123,711	1/2	134,314	1/2	144,896	1/2	155,166	1/2		1/2		1/2		1/2		1/2	
3/4	113,329	3/4	123,932	3/4	134,534	3/4	145,115	3/4	155,308	3/4		3/4		3/4		3/4		3/4	
10	113,550	10	124,153	10	134,755	10	145,333	10	155,451	10		10		10		10		10	
1/4	113,771	1/4	124,374	1/4	134,976	1/4	145,552	1/4	155,524	1/4		1/4		1/4		1/4		1/4	
1/2	113,992	1/2	124,595	1/2	135,197	1/2	145,771	1/2	155,598	1/2		1/2		1/2		1/2		1/2	
3/4	114,213	3/4	124,815	3/4	135,418	3/4	145,990	3/4	155,672	3/4		3/4		3/4		3/4		3/4	
11	114,434	11	125,036	11	135,639	11	146,209	11	155,745	11		11		11		11		11	
1/4	114,655	1/4	125,257	1/4	135,860	1/4	146,428	1/4	155,764	1/4		1/4		1/4		1/4		1/4	
1/2	114,876	1/2	125,478	1/2	136,081	1/2	146,647	1/2	155,782	1/2		1/2		1/2		1/2		1/2	
3/4	115,096	3/4	125,699	3/4	136,302	3/4	146,865	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/10/2021 JS  
CALCULATED: 12/11/2021 CL  
PRINTED: 12/13/2021 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2021

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