



# BARGE "IB 1060"

## 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>
1 CENTER	- 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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**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 3 CENTER IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4'

LENGTH BETWEEN DRAFT MARKS: 163'-00"

August 14, 2013

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

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# BARGE "IB 1060"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	234	0	11,406	0	23,840	0	36,111	0	48,447	0	60,873	0	73,283	0	85,717	0	98,149	0	110,582
1/4	310	1/4	11,665	1/4	24,099	1/4	36,363	1/4	48,706	1/4	61,132	1/4	73,542	1/4	85,976	1/4	98,408	1/4	110,841
1/2	386	1/2	11,924	1/2	24,358	1/2	36,616	1/2	48,965	1/2	61,390	1/2	73,802	1/2	86,235	1/2	98,667	1/2	111,100
3/4	462	3/4	12,183	3/4	24,617	3/4	36,869	3/4	49,224	3/4	61,649	3/4	74,061	3/4	86,494	3/4	98,926	3/4	111,359
1	537	1	12,442	1	24,876	1	37,121	1	49,483	1	61,907	1	74,320	1	86,753	1	99,185	1	111,618
1/4	699	1/4	12,701	1/4	25,135	1/4	37,374	1/4	49,742	1/4	62,166	1/4	74,579	1/4	87,012	1/4	99,444	1/4	111,877
1/2	861	1/2	12,960	1/2	25,394	1/2	37,627	1/2	50,001	1/2	62,424	1/2	74,838	1/2	87,271	1/2	99,703	1/2	112,136
3/4	1,023	3/4	13,220	3/4	25,653	3/4	37,879	3/4	50,260	3/4	62,682	3/4	75,097	3/4	87,530	3/4	99,962	3/4	112,395
2	1,185	2	13,479	2	25,912	2	38,132	2	50,518	2	62,941	2	75,356	2	87,789	2	100,221	2	112,654
1/4	1,416	1/4	13,738	1/4	26,171	1/4	38,385	1/4	50,777	1/4	63,199	1/4	75,615	1/4	88,048	1/4	100,480	1/4	112,913
1/2	1,646	1/2	13,997	1/2	26,430	1/2	38,637	1/2	51,036	1/2	63,458	1/2	75,874	1/2	88,307	1/2	100,739	1/2	113,172
3/4	1,876	3/4	14,256	3/4	26,689	3/4	38,890	3/4	51,295	3/4	63,716	3/4	76,133	3/4	88,566	3/4	100,998	3/4	113,431
3	2,106	3	14,515	3	26,948	3	39,143	3	51,554	3	63,975	3	76,392	3	88,825	3	101,257	3	113,690
1/4	2,362	1/4	14,774	1/4	27,207	1/4	39,398	1/4	51,813	1/4	64,233	1/4	76,651	1/4	89,084	1/4	101,516	1/4	113,949
1/2	2,617	1/2	15,033	1/2	27,466	1/2	39,653	1/2	52,072	1/2	64,491	1/2	76,910	1/2	89,343	1/2	101,775	1/2	114,208
3/4	2,872	3/4	15,292	3/4	27,725	3/4	39,908	3/4	52,331	3/4	64,750	3/4	77,169	3/4	89,602	3/4	102,034	3/4	114,467
4	3,127	4	15,551	4	27,984	4	40,163	4	52,590	4	65,008	4	77,428	4	89,861	4	102,293	4	114,726
1/4	3,384	1/4	15,810	1/4	28,243	1/4	40,422	1/4	52,848	1/4	65,267	1/4	77,687	1/4	90,120	1/4	102,552	1/4	114,985
1/2	3,641	1/2	16,069	1/2	28,502	1/2	40,680	1/2	53,107	1/2	65,525	1/2	77,946	1/2	90,379	1/2	102,811	1/2	115,244
3/4	3,898	3/4	16,328	3/4	28,761	3/4	40,939	3/4	53,366	3/4	65,784	3/4	78,205	3/4	90,638	3/4	103,070	3/4	115,503
5	4,155	5	16,587	5	29,020	5	41,198	5	53,625	5	66,042	5	78,464	5	90,897	5	103,329	5	115,762
1/4	4,413	1/4	16,846	1/4	29,277	1/4	41,457	1/4	53,884	1/4	66,300	1/4	78,723	1/4	91,156	1/4	103,588	1/4	116,021
1/2	4,671	1/2	17,105	1/2	29,534	1/2	41,716	1/2	54,143	1/2	66,559	1/2	78,982	1/2	91,415	1/2	103,847	1/2	116,280
3/4	4,929	3/4	17,364	3/4	29,790	3/4	41,975	3/4	54,402	3/4	66,817	3/4	79,241	3/4	91,674	3/4	104,106	3/4	116,539
6	5,188	6	17,623	6	30,047	6	42,234	6	54,661	6	67,076	6	79,500	6	91,933	6	104,365	6	116,798
1/4	5,447	1/4	17,882	1/4	30,300	1/4	42,493	1/4	54,920	1/4	67,334	1/4	79,759	1/4	92,192	1/4	104,624	1/4	117,057
1/2	5,705	1/2	18,141	1/2	30,552	1/2	42,752	1/2	55,179	1/2	67,592	1/2	80,018	1/2	92,451	1/2	104,883	1/2	117,316
3/4	5,964	3/4	18,400	3/4	30,805	3/4	43,011	3/4	55,437	3/4	67,851	3/4	80,277	3/4	92,710	3/4	105,142	3/4	117,575
7	6,223	7	18,659	7	31,058	7	43,269	7	55,696	7	68,109	7	80,536	7	92,969	7	105,401	7	117,834
1/4	6,482	1/4	18,918	1/4	31,310	1/4	43,528	1/4	55,955	1/4	68,368	1/4	80,795	1/4	93,228	1/4	105,660	1/4	118,093
1/2	6,741	1/2	19,177	1/2	31,563	1/2	43,787	1/2	56,214	1/2	68,626	1/2	81,054	1/2	93,487	1/2	105,919	1/2	118,353
3/4	7,000	3/4	19,436	3/4	31,816	3/4	44,046	3/4	56,473	3/4	68,885	3/4	81,313	3/4	93,746	3/4	106,178	3/4	118,612
8	7,259	8	19,695	8	32,068	8	44,305	8	56,732	8	69,143	8	81,572	8	94,005	8	106,437	8	118,871
1/4	7,519	1/4	19,954	1/4	32,321	1/4	44,564	1/4	56,991	1/4	69,401	1/4	81,831	1/4	94,264	1/4	106,696	1/4	119,130
1/2	7,778	1/2	20,213	1/2	32,574	1/2	44,823	1/2	57,250	1/2	69,660	1/2	82,090	1/2	94,523	1/2	106,956	1/2	119,389
3/4	8,037	3/4	20,472	3/4	32,826	3/4	45,082	3/4	57,509	3/4	69,918	3/4	82,349	3/4	94,782	3/4	107,215	3/4	119,648
9	8,296	9	20,731	9	33,079	9	45,341	9	57,767	9	70,177	9	82,608	9	95,041	9	107,474	9	119,907
1/4	8,555	1/4	20,990	1/4	33,331	1/4	45,599	1/4	58,026	1/4	70,435	1/4	82,867	1/4	95,300	1/4	107,733	1/4	120,166
1/2	8,815	1/2	21,250	1/2	33,584	1/2	45,858	1/2	58,285	1/2	70,694	1/2	83,126	1/2	95,559	1/2	107,992	1/2	120,425
3/4	9,074	3/4	21,509	3/4	33,837	3/4	46,117	3/4	58,544	3/4	70,953	3/4	83,385	3/4	95,818	3/4	108,251	3/4	120,684
10	9,333	10	21,768	10	34,089	10	46,376	10	58,803	10	71,211	10	83,644	10	96,077	10	108,510	10	120,886
1/4	9,592	1/4	22,027	1/4	34,342	1/4	46,635	1/4	59,062	1/4	71,470	1/4	83,903	1/4	96,336	1/4	108,769	1/4	121,107
1/2	9,852	1/2	22,286	1/2	34,595	1/2	46,894	1/2	59,321	1/2	71,729	1/2	84,162	1/2	96,595	1/2	109,028	1/2	121,328
3/4	10,111	3/4	22,545	3/4	34,847	3/4	47,153	3/4	59,580	3/4	71,988	3/4	84,421	3/4	96,854	3/4	109,287	3/4	121,549
11	10,370	11	22,804	11	35,100	11	47,412	11	59,839	11	72,247	11	84,680	11	97,113	11	109,546	11	121,770
1/4	10,629	1/4	23,063	1/4	35,353	1/4	47,671	1/4	60,097	1/4	72,506	1/4	84,939	1/4	97,372	1/4	109,805	1/4	121,992
1/2	10,888	1/2	23,322	1/2	35,605	1/2	47,930	1/2	60,356	1/2	72,765	1/2	85,199	1/2	97,631	1/2	110,064	1/2	122,213
3/4	11,147	3/4	23,581	3/4	35,858	3/4	48,188	3/4	60,615	3/4	73,024	3/4	85,458	3/4	97,890	3/4	110,323	3/4	122,435

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "IB 1060"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	122,656	0	133,286	0	143,915	0	154,545	0		0		0		0		0		0	
1/4	122,877	1/4	133,507	1/4	144,137	1/4	154,767	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,099	1/2	133,729	1/2	144,358	1/2	154,988	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,320	3/4	133,950	3/4	144,580	3/4	155,209	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	123,542	1	134,172	1	144,801	1	155,431	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,763	1/4	134,393	1/4	145,023	1/4	155,651	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,985	1/2	134,614	1/2	145,244	1/2	155,872	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,206	3/4	134,836	3/4	145,466	3/4	156,093	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	124,428	2	135,057	2	145,687	2	156,314	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,649	1/4	135,279	1/4	145,909	1/4	156,530	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,871	1/2	135,500	1/2	146,130	1/2	156,746	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,092	3/4	135,722	3/4	146,351	3/4	156,962	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	125,313	3	135,943	3	146,573	3	157,179	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,535	1/4	136,165	1/4	146,794	1/4	157,360	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,756	1/2	136,386	1/2	147,016	1/2	157,541	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,978	3/4	136,608	3/4	147,237	3/4	157,723	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	126,199	4	136,829	4	147,459	4	157,904	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,421	1/4	137,050	1/4	147,680	1/4	158,006	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,642	1/2	137,272	1/2	147,902	1/2	158,109	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,864	3/4	137,493	3/4	148,123	3/4	158,211	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	127,085	5	137,715	5	148,345	5	158,314	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,306	1/4	137,936	1/4	148,566	1/4	158,352	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,528	1/2	138,158	1/2	148,787	1/2	158,391	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,749	3/4	138,379	3/4	149,009	3/4	158,429	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	127,971	6	138,601	6	149,230	6	158,468	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,192	1/4	138,822	1/4	149,452	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,414	1/2	139,044	1/2	149,673	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,635	3/4	139,265	3/4	149,895	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	128,857	7	139,486	7	150,116	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,078	1/4	139,708	1/4	150,338	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,300	1/2	139,929	1/2	150,559	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,521	3/4	140,151	3/4	150,781	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	129,742	8	140,372	8	151,002	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	129,964	1/4	140,594	1/4	151,223	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,185	1/2	140,815	1/2	151,445	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,407	3/4	141,037	3/4	151,666	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	130,628	9	141,258	9	151,888	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	130,850	1/4	141,479	1/4	152,109	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,071	1/2	141,701	1/2	152,331	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,293	3/4	141,922	3/4	152,552	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	131,514	10	142,144	10	152,774	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	131,736	1/4	142,365	1/4	152,995	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,957	1/2	142,587	1/2	153,217	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132,178	3/4	142,808	3/4	153,438	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	132,400	11	143,030	11	153,659	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	132,621	1/4	143,251	1/4	153,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132,843	1/2	143,473	1/2	154,102	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,064	3/4	143,694	3/4	154,324	3/4		3/4	3/4	3/4	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.

STRAPPED: 08/13/2013 CL - SW  
CALCULATED: 08/14/2013 CL  
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "IB 1060"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-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	84	0	10,006	0	21,063	0	31,959	0	42,926	0	53,984	0	65,041	0	76,099	0	87,156	0	98,214
1/4	151	1/4	10,236	1/4	21,293	1/4	32,183	1/4	43,156	1/4	54,214	1/4	65,271	1/4	76,329	1/4	87,387	1/4	98,444
1/2	218	1/2	10,467	1/2	21,524	1/2	32,408	1/2	43,387	1/2	54,444	1/2	65,502	1/2	76,559	1/2	87,617	1/2	98,675
3/4	285	3/4	10,697	3/4	21,754	3/4	32,632	3/4	43,617	3/4	54,675	3/4	65,732	3/4	76,790	3/4	87,847	3/4	98,905
1	353	1	10,927	1	21,984	1	32,856	1	43,847	1	54,905	1	65,963	1	77,020	1	88,078	1	99,135
1/4	496	1/4	11,158	1/4	22,215	1/4	33,080	1/4	44,078	1/4	55,135	1/4	66,193	1/4	77,251	1/4	88,308	1/4	99,366
1/2	640	1/2	11,388	1/2	22,445	1/2	33,304	1/2	44,308	1/2	55,366	1/2	66,423	1/2	77,481	1/2	88,538	1/2	99,596
3/4	784	3/4	11,618	3/4	22,675	3/4	33,528	3/4	44,539	3/4	55,596	3/4	66,654	3/4	77,711	3/4	88,769	3/4	99,826
2	928	2	11,849	2	22,906	2	33,752	2	44,769	2	55,826	2	66,884	2	77,942	2	88,999	2	100,057
1/4	1,132	1/4	12,079	1/4	23,136	1/4	33,976	1/4	44,999	1/4	56,057	1/4	67,114	1/4	78,172	1/4	89,230	1/4	100,287
1/2	1,337	1/2	12,309	1/2	23,367	1/2	34,200	1/2	45,230	1/2	56,287	1/2	67,345	1/2	78,402	1/2	89,460	1/2	100,517
3/4	1,541	3/4	12,540	3/4	23,597	3/4	34,424	3/4	45,460	3/4	56,518	3/4	67,575	3/4	78,633	3/4	89,690	3/4	100,748
3	1,745	3	12,770	3	23,827	3	34,648	3	45,690	3	56,748	3	67,806	3	78,863	3	89,921	3	100,978
1/4	1,972	1/4	13,000	1/4	24,058	1/4	34,875	1/4	45,921	1/4	56,978	1/4	68,036	1/4	79,093	1/4	90,151	1/4	101,209
1/2	2,198	1/2	13,231	1/2	24,288	1/2	35,101	1/2	46,151	1/2	57,209	1/2	68,266	1/2	79,324	1/2	90,381	1/2	101,439
3/4	2,425	3/4	13,461	3/4	24,518	3/4	35,328	3/4	46,381	3/4	57,439	3/4	68,497	3/4	79,554	3/4	90,612	3/4	101,669
4	2,651	4	13,692	4	24,749	4	35,554	4	46,612	4	57,669	4	68,727	4	79,785	4	90,842	4	101,900
1/4	2,879	1/4	13,922	1/4	24,979	1/4	35,785	1/4	46,842	1/4	57,900	1/4	68,957	1/4	80,015	1/4	91,072	1/4	102,130
1/2	3,107	1/2	14,152	1/2	25,209	1/2	36,015	1/2	47,073	1/2	58,130	1/2	69,188	1/2	80,245	1/2	91,303	1/2	102,360
3/4	3,335	3/4	14,383	3/4	25,440	3/4	36,245	3/4	47,303	3/4	58,361	3/4	69,418	3/4	80,476	3/4	91,533	3/4	102,591
5	3,564	5	14,613	5	25,670	5	36,476	5	47,533	5	58,591	5	69,648	5	80,706	5	91,764	5	102,821
1/4	3,793	1/4	14,843	1/4	25,898	1/4	36,706	1/4	47,764	1/4	58,821	1/4	69,879	1/4	80,936	1/4	91,994	1/4	103,051
1/2	4,022	1/2	15,074	1/2	26,126	1/2	36,937	1/2	47,994	1/2	59,052	1/2	70,109	1/2	81,167	1/2	92,224	1/2	103,282
3/4	4,251	3/4	15,304	3/4	26,354	3/4	37,167	3/4	48,224	3/4	59,282	3/4	70,340	3/4	81,397	3/4	92,455	3/4	103,512
6	4,480	6	15,534	6	26,582	6	37,397	6	48,455	6	59,512	6	70,570	6	81,627	6	92,685	6	103,743
1/4	4,710	1/4	15,765	1/4	26,806	1/4	37,628	1/4	48,685	1/4	59,743	1/4	70,800	1/4	81,858	1/4	92,915	1/4	103,973
1/2	4,940	1/2	15,995	1/2	27,030	1/2	37,858	1/2	48,916	1/2	59,973	1/2	71,031	1/2	82,088	1/2	93,146	1/2	104,203
3/4	5,170	3/4	16,225	3/4	27,254	3/4	38,088	3/4	49,146	3/4	60,203	3/4	71,261	3/4	82,319	3/4	93,376	3/4	104,434
7	5,400	7	16,456	7	27,478	7	38,319	7	49,376	7	60,434	7	71,491	7	82,549	7	93,606	7	104,664
1/4	5,630	1/4	16,686	1/4	27,702	1/4	38,549	1/4	49,607	1/4	60,664	1/4	71,722	1/4	82,779	1/4	93,837	1/4	104,894
1/2	5,860	1/2	16,917	1/2	27,926	1/2	38,779	1/2	49,837	1/2	60,895	1/2	71,952	1/2	83,010	1/2	94,067	1/2	105,125
3/4	6,090	3/4	17,147	3/4	28,150	3/4	39,010	3/4	50,067	3/4	61,125	3/4	72,182	3/4	83,240	3/4	94,298	3/4	105,355
8	6,320	8	17,377	8	28,375	8	39,240	8	50,298	8	61,355	8	72,413	8	83,470	8	94,528	8	105,586
1/4	6,551	1/4	17,608	1/4	28,599	1/4	39,471	1/4	50,528	1/4	61,586	1/4	72,643	1/4	83,701	1/4	94,758	1/4	105,816
1/2	6,781	1/2	17,838	1/2	28,823	1/2	39,701	1/2	50,758	1/2	61,816	1/2	72,874	1/2	83,931	1/2	94,989	1/2	106,046
3/4	7,011	3/4	18,068	3/4	29,047	3/4	39,931	3/4	50,989	3/4	62,046	3/4	73,104	3/4	84,161	3/4	95,219	3/4	106,277
9	7,242	9	18,299	9	29,271	9	40,162	9	51,219	9	62,277	9	73,334	9	84,392	9	95,449	9	106,507
1/4	7,472	1/4	18,529	1/4	29,495	1/4	40,392	1/4	51,450	1/4	62,507	1/4	73,565	1/4	84,622	1/4	95,680	1/4	106,737
1/2	7,702	1/2	18,759	1/2	29,719	1/2	40,622	1/2	51,680	1/2	62,737	1/2	73,795	1/2	84,853	1/2	95,910	1/2	106,968
3/4	7,933	3/4	18,990	3/4	29,943	3/4	40,853	3/4	51,910	3/4	62,968	3/4	74,025	3/4	85,083	3/4	96,141	3/4	107,198
10	8,163	10	19,220	10	30,167	10	41,083	10	52,141	10	63,198	10	74,256	10	85,313	10	96,371	10	107,428
1/4	8,393	1/4	19,450	1/4	30,391	1/4	41,313	1/4	52,371	1/4	63,429	1/4	74,486	1/4	85,544	1/4	96,601	1/4	107,659
1/2	8,624	1/2	19,681	1/2	30,615	1/2	41,544	1/2	52,601	1/2	63,659	1/2	74,716	1/2	85,774	1/2	96,832	1/2	107,889
3/4	8,854	3/4	19,911	3/4	30,839	3/4	41,774	3/4	52,832	3/4	63,889	3/4	74,947	3/4	86,004	3/4	97,062	3/4	108,120
11	9,084	11	20,142	11	31,063	11	42,005	11	53,062	11	64,120	11	75,177	11	86,235	11	97,292	11	108,350
1/4	9,315	1/4	20,372	1/4	31,287	1/4	42,235	1/4	53,292	1/4	64,350	1/4	75,408	1/4	86,465	1/4	97,523	1/4	108,580
1/2	9,545	1/2	20,602	1/2	31,511	1/2	42,465	1/2	53,523	1/2	64,580	1/2	75,638	1/2	86,696	1/2	97,753	1/2	108,811
3/4	9,775	3/4	20,833	3/4	31,735	3/4	42,696	3/4	53,753	3/4	64,811	3/4	75,868	3/4	86,926	3/4	97,983	3/4	109,041

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1060"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	109,271	0	120,329	0	131,386	0	142,444	0		0		0		0		0		0	
1/4	109,502	1/4	120,559	1/4	131,617	1/4	142,674	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,732	1/2	120,790	1/2	131,847	1/2	142,905	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,962	3/4	121,020	3/4	132,078	3/4	143,135	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	110,193	1	121,250	1	132,308	1	143,365	1	1	1	1	1	1	1	1	1	1	1	1
1/4	110,423	1/4	121,481	1/4	132,538	1/4	143,595	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,654	1/2	121,711	1/2	132,769	1/2	143,825	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,884	3/4	121,941	3/4	132,999	3/4	144,055	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	111,114	2	122,172	2	133,229	2	144,284	2	2	2	2	2	2	2	2	2	2	2	2
1/4	111,345	1/4	122,402	1/4	133,460	1/4	144,510	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,575	1/2	122,633	1/2	133,690	1/2	144,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,805	3/4	122,863	3/4	133,921	3/4	144,961	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	112,036	3	123,093	3	134,151	3	145,187	3	3	3	3	3	3	3	3	3	3	3	3
1/4	112,266	1/4	123,324	1/4	134,381	1/4	145,382	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,496	1/2	123,554	1/2	134,612	1/2	145,577	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,727	3/4	123,784	3/4	134,842	3/4	145,771	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	112,957	4	124,015	4	135,072	4	145,966	4	4	4	4	4	4	4	4	4	4	4	4
1/4	113,188	1/4	124,245	1/4	135,303	1/4	146,091	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,418	1/2	124,476	1/2	135,533	1/2	146,216	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,648	3/4	124,706	3/4	135,763	3/4	146,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	113,879	5	124,936	5	135,994	5	146,465	5	5	5	5	5	5	5	5	5	5	5	5
1/4	114,109	1/4	125,167	1/4	136,224	1/4	146,520	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,339	1/2	125,397	1/2	136,455	1/2	146,576	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,570	3/4	125,627	3/4	136,685	3/4	146,631	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	114,800	6	125,858	6	136,915	6	146,686	6	6	6	6	6	6	6	6	6	6	6	6
1/4	115,031	1/4	126,088	1/4	137,146	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,261	1/2	126,318	1/2	137,376	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,491	3/4	126,549	3/4	137,606	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	115,722	7	126,779	7	137,837	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,952	1/4	127,010	1/4	138,067	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,182	1/2	127,240	1/2	138,297	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,413	3/4	127,470	3/4	138,528	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	116,643	8	127,701	8	138,758	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,873	1/4	127,931	1/4	138,989	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,104	1/2	128,161	1/2	139,219	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,334	3/4	128,392	3/4	139,449	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	117,565	9	128,622	9	139,680	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,795	1/4	128,852	1/4	139,910	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,025	1/2	129,083	1/2	140,140	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,256	3/4	129,313	3/4	140,371	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	118,486	10	129,544	10	140,601	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,716	1/4	129,774	1/4	140,831	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,947	1/2	130,004	1/2	141,062	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,177	3/4	130,235	3/4	141,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	119,407	11	130,465	11	141,523	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,638	1/4	130,695	1/4	141,753	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,868	1/2	130,926	1/2	141,983	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,099	3/4	131,156	3/4	142,214	3/4		3/4	3/4	3/4	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.

STRAPPED: 08/13/2013 CL - SW  
CALCULATED: 08/14/2013 CL  
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
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P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "IB 1060"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	83	0	9,914	0	20,869	0	31,812	0	42,761	0	53,717	0	64,672	0	75,628	0	86,583	0	97,538
1/4	150	1/4	10,142	1/4	21,097	1/4	32,040	1/4	42,990	1/4	53,945	1/4	64,901	1/4	75,856	1/4	86,811	1/4	97,767
1/2	216	1/2	10,370	1/2	21,325	1/2	32,268	1/2	43,218	1/2	54,173	1/2	65,129	1/2	76,084	1/2	87,040	1/2	97,995
3/4	283	3/4	10,598	3/4	21,553	3/4	32,496	3/4	43,446	3/4	54,402	3/4	65,357	3/4	76,312	3/4	87,268	3/4	98,223
1	350	1	10,827	1	21,781	1	32,723	1	43,674	1	54,630	1	65,585	1	76,541	1	87,496	1	98,451
1/4	492	1/4	11,055	1/4	22,010	1/4	32,951	1/4	43,903	1/4	54,858	1/4	65,813	1/4	76,769	1/4	87,724	1/4	98,680
1/2	635	1/2	11,283	1/2	22,238	1/2	33,179	1/2	44,131	1/2	55,086	1/2	66,042	1/2	76,997	1/2	87,952	1/2	98,908
3/4	777	3/4	11,511	3/4	22,466	3/4	33,407	3/4	44,359	3/4	55,315	3/4	66,270	3/4	77,225	3/4	88,181	3/4	99,136
2	920	2	11,739	2	22,694	2	33,635	2	44,587	2	55,543	2	66,498	2	77,454	2	88,409	2	99,364
1/4	1,122	1/4	11,968	1/4	22,923	1/4	33,862	1/4	44,816	1/4	55,771	1/4	66,726	1/4	77,682	1/4	88,637	1/4	99,593
1/2	1,325	1/2	12,196	1/2	23,151	1/2	34,090	1/2	45,044	1/2	55,999	1/2	66,955	1/2	77,910	1/2	88,865	1/2	99,821
3/4	1,527	3/4	12,424	3/4	23,379	3/4	34,318	3/4	45,272	3/4	56,227	3/4	67,183	3/4	78,138	3/4	89,094	3/4	100,049
3	1,730	3	12,652	3	23,607	3	34,546	3	45,500	3	56,456	3	67,411	3	78,367	3	89,322	3	100,277
1/4	1,954	1/4	12,881	1/4	23,836	1/4	34,774	1/4	45,729	1/4	56,684	1/4	67,639	1/4	78,595	1/4	89,550	1/4	100,506
1/2	2,178	1/2	13,109	1/2	24,064	1/2	35,002	1/2	45,957	1/2	56,912	1/2	67,868	1/2	78,823	1/2	89,778	1/2	100,734
3/4	2,402	3/4	13,337	3/4	24,292	3/4	35,230	3/4	46,185	3/4	57,140	3/4	68,096	3/4	79,051	3/4	90,007	3/4	100,962
4	2,627	4	13,565	4	24,520	4	35,458	4	46,413	4	57,369	4	68,324	4	79,279	4	90,235	4	101,190
1/4	2,853	1/4	13,794	1/4	24,748	1/4	35,686	1/4	46,642	1/4	57,597	1/4	68,552	1/4	79,508	1/4	90,463	1/4	101,419
1/2	3,079	1/2	14,022	1/2	24,977	1/2	35,914	1/2	46,870	1/2	57,825	1/2	68,781	1/2	79,736	1/2	90,691	1/2	101,647
3/4	3,305	3/4	14,250	3/4	25,205	3/4	36,143	3/4	47,098	3/4	58,053	3/4	69,009	3/4	79,964	3/4	90,920	3/4	101,875
5	3,531	5	14,478	5	25,433	5	36,371	5	47,326	5	58,282	5	69,237	5	80,192	5	91,148	5	102,103
1/4	3,758	1/4	14,706	1/4	25,661	1/4	36,599	1/4	47,554	1/4	58,510	1/4	69,465	1/4	80,421	1/4	91,376	1/4	102,331
1/2	3,985	1/2	14,935	1/2	25,889	1/2	36,827	1/2	47,783	1/2	58,738	1/2	69,694	1/2	80,649	1/2	91,604	1/2	102,560
3/4	4,212	3/4	15,163	3/4	26,117	3/4	37,056	3/4	48,011	3/4	58,966	3/4	69,922	3/4	80,877	3/4	91,833	3/4	102,788
6	4,439	6	15,391	6	26,345	6	37,284	6	48,239	6	59,195	6	70,150	6	81,105	6	92,061	6	103,016
1/4	4,667	1/4	15,619	1/4	26,573	1/4	37,512	1/4	48,467	1/4	59,423	1/4	70,378	1/4	81,334	1/4	92,289	1/4	103,244
1/2	4,895	1/2	15,848	1/2	26,801	1/2	37,740	1/2	48,696	1/2	59,651	1/2	70,606	1/2	81,562	1/2	92,517	1/2	103,473
3/4	5,122	3/4	16,076	3/4	27,029	3/4	37,969	3/4	48,924	3/4	59,879	3/4	70,835	3/4	81,790	3/4	92,745	3/4	103,701
7	5,350	7	16,304	7	27,257	7	38,197	7	49,152	7	60,108	7	71,063	7	82,018	7	92,974	7	103,929
1/4	5,578	1/4	16,532	1/4	27,484	1/4	38,425	1/4	49,380	1/4	60,336	1/4	71,291	1/4	82,247	1/4	93,202	1/4	104,157
1/2	5,806	1/2	16,760	1/2	27,712	1/2	38,653	1/2	49,609	1/2	60,564	1/2	71,519	1/2	82,475	1/2	93,430	1/2	104,386
3/4	6,034	3/4	16,989	3/4	27,940	3/4	38,881	3/4	49,837	3/4	60,792	3/4	71,748	3/4	82,703	3/4	93,658	3/4	104,614
8	6,262	8	17,217	8	28,168	8	39,110	8	50,065	8	61,020	8	71,976	8	82,931	8	93,887	8	104,842
1/4	6,490	1/4	17,445	1/4	28,395	1/4	39,338	1/4	50,293	1/4	61,249	1/4	72,204	1/4	83,160	1/4	94,115	1/4	105,070
1/2	6,719	1/2	17,673	1/2	28,623	1/2	39,566	1/2	50,522	1/2	61,477	1/2	72,432	1/2	83,388	1/2	94,343	1/2	105,299
3/4	6,947	3/4	17,902	3/4	28,851	3/4	39,794	3/4	50,750	3/4	61,705	3/4	72,661	3/4	83,616	3/4	94,571	3/4	105,527
9	7,175	9	18,130	9	29,079	9	40,023	9	50,978	9	61,933	9	72,889	9	83,844	9	94,800	9	105,755
1/4	7,403	1/4	18,358	1/4	29,307	1/4	40,251	1/4	51,206	1/4	62,162	1/4	73,117	1/4	84,072	1/4	95,028	1/4	105,983
1/2	7,631	1/2	18,586	1/2	29,534	1/2	40,479	1/2	51,435	1/2	62,390	1/2	73,345	1/2	84,301	1/2	95,256	1/2	106,211
3/4	7,860	3/4	18,815	3/4	29,762	3/4	40,707	3/4	51,663	3/4	62,618	3/4	73,574	3/4	84,529	3/4	95,484	3/4	106,440
10	8,088	10	19,043	10	29,990	10	40,936	10	51,891	10	62,846	10	73,802	10	84,757	10	95,713	10	106,668
1/4	8,316	1/4	19,271	1/4	30,218	1/4	41,164	1/4	52,119	1/4	63,075	1/4	74,030	1/4	84,985	1/4	95,941	1/4	106,896
1/2	8,544	1/2	19,499	1/2	30,445	1/2	41,392	1/2	52,347	1/2	63,303	1/2	74,258	1/2	85,214	1/2	96,169	1/2	107,124
3/4	8,772	3/4	19,727	3/4	30,673	3/4	41,620	3/4	52,576	3/4	63,531	3/4	74,486	3/4	85,442	3/4	96,397	3/4	107,353
11	9,001	11	19,956	11	30,901	11	41,849	11	52,804	11	63,759	11	74,715	11	85,670	11	96,626	11	107,581
1/4	9,229	1/4	20,184	1/4	31,129	1/4	42,077	1/4	53,032	1/4	63,988	1/4	74,943	1/4	85,898	1/4	96,854	1/4	107,809
1/2	9,457	1/2	20,412	1/2	31,357	1/2	42,305	1/2	53,260	1/2	64,216	1/2	75,171	1/2	86,127	1/2	97,082	1/2	108,037
3/4	9,685	3/4	20,640	3/4	31,584	3/4	42,533	3/4	53,489	3/4	64,444	3/4	75,399	3/4	86,355	3/4	97,310	3/4	108,266

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 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1060"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	108,494	0	119,449	0	130,405	0	141,360	0		0		0		0		0		0	
1/4	108,722	1/4	119,677	1/4	130,633	1/4	141,588	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,950	1/2	119,906	1/2	130,861	1/2	141,816	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,179	3/4	120,134	3/4	131,089	3/4	142,045	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	109,407	1	120,362	1	131,318	1	142,273	1	1	1	1	1	1	1	1	1	1	1	1
1/4	109,635	1/4	120,590	1/4	131,546	1/4	142,500	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,863	1/2	120,819	1/2	131,774	1/2	142,728	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,092	3/4	121,047	3/4	132,002	3/4	142,956	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	110,320	2	121,275	2	132,231	2	143,183	2	2	2	2	2	2	2	2	2	2	2	2
1/4	110,548	1/4	121,503	1/4	132,459	1/4	143,407	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,776	1/2	121,732	1/2	132,687	1/2	143,631	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,004	3/4	121,960	3/4	132,915	3/4	143,854	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	111,233	3	122,188	3	133,144	3	144,078	3	3	3	3	3	3	3	3	3	3	3	3
1/4	111,461	1/4	122,416	1/4	133,372	1/4	144,271	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,689	1/2	122,645	1/2	133,600	1/2	144,464	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,917	3/4	122,873	3/4	133,828	3/4	144,657	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	112,146	4	123,101	4	134,056	4	144,850	4	4	4	4	4	4	4	4	4	4	4	4
1/4	112,374	1/4	123,329	1/4	134,285	1/4	144,973	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,602	1/2	123,558	1/2	134,513	1/2	145,097	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,830	3/4	123,786	3/4	134,741	3/4	145,221	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	113,059	5	124,014	5	134,969	5	145,344	5	5	5	5	5	5	5	5	5	5	5	5
1/4	113,287	1/4	124,242	1/4	135,198	1/4	145,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,515	1/2	124,470	1/2	135,426	1/2	145,454	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,743	3/4	124,699	3/4	135,654	3/4	145,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	113,972	6	124,927	6	135,882	6	145,563	6	6	6	6	6	6	6	6	6	6	6	6
1/4	114,200	1/4	125,155	1/4	136,111	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,428	1/2	125,383	1/2	136,339	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,656	3/4	125,612	3/4	136,567	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	114,885	7	125,840	7	136,795	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,113	1/4	126,068	1/4	137,024	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,341	1/2	126,296	1/2	137,252	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,569	3/4	126,525	3/4	137,480	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	115,797	8	126,753	8	137,708	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,026	1/4	126,981	1/4	137,936	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,254	1/2	127,209	1/2	138,165	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,482	3/4	127,438	3/4	138,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	116,710	9	127,666	9	138,621	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	116,939	1/4	127,894	1/4	138,849	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,167	1/2	128,122	1/2	139,078	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,395	3/4	128,351	3/4	139,306	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	117,623	10	128,579	10	139,534	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	117,852	1/4	128,807	1/4	139,762	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,080	1/2	129,035	1/2	139,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,308	3/4	129,263	3/4	140,219	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	118,536	11	129,492	11	140,447	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	118,765	1/4	129,720	1/4	140,675	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,993	1/2	129,948	1/2	140,904	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,221	3/4	130,176	3/4	141,132	3/4		3/4	3/4	3/4	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.

STRAPPED: 08/13/2013 CL - SW  
CALCULATED: 08/14/2013 CL  
PRINTED: 08/14/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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