



# BARGE "CGBM 120"

## ULLAGE 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 | - 00-3/8   | 00-3/8       | - 00-3/4   | 00-3/4       | - 01-1/8   | 01-1/8       | - 01-1/2   | 01-1/2       | - 01-7/8   | 01-7/8       | - 02-1/4   | 02-1/4       |
| 2 CENTER | - 00-1/8   | 00-1/8       | - 00-3/8   | 00-3/8       | - 00-1/2   | 00-1/2       | - 00-5/8   | 00-5/8       | - 00-3/4   | 00-3/4       | - 01-0/8   | 01-0/8       |
| 3 CENTER | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-3/8     | - 00-3/8     | 00-1/2     | - 00-1/2     | 00-1/2     | - 00-1/2     |

(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 - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 170'-09"

July 9, 2018

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

<http://www.pmacorp.net>



# BARGE "CGBM 120"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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   |       | 0   |       | 0   | 144,889 | 0   | 134,673 | 0   | 124,450 | 0   | 114,228 | 0   | 104,012 | 0   | 93,844  | 0   | 83,658 | 0   | 73,463 |
| 1/4 |       | 1/4 |       | 1/4 | 144,679 | 1/4 | 134,460 | 1/4 | 124,237 | 1/4 | 114,015 | 1/4 | 103,800 | 1/4 | 93,632  | 1/4 | 83,445 | 1/4 | 73,251 |
| 1/2 |       | 1/2 |       | 1/2 | 144,469 | 1/2 | 134,247 | 1/2 | 124,024 | 1/2 | 113,802 | 1/2 | 103,588 | 1/2 | 93,420  | 1/2 | 83,233 | 1/2 | 73,039 |
| 3/4 |       | 3/4 |       | 3/4 | 144,256 | 3/4 | 134,034 | 3/4 | 123,811 | 3/4 | 113,589 | 3/4 | 103,377 | 3/4 | 93,209  | 3/4 | 83,020 | 3/4 | 72,826 |
| 1   |       | 1   |       | 1   | 144,043 | 1   | 133,821 | 1   | 123,598 | 1   | 113,376 | 1   | 103,165 | 1   | 92,997  | 1   | 82,808 | 1   | 72,614 |
| 1/4 |       | 1/4 |       | 1/4 | 151,783 | 1/4 | 143,830 | 1/4 | 133,608 | 1/4 | 123,385 | 1/4 | 113,163 | 1/4 | 102,953 | 1/4 | 92,785 | 1/4 | 82,596 |
| 1/2 |       | 1/2 |       | 1/2 | 151,777 | 1/2 | 143,618 | 1/2 | 133,395 | 1/2 | 123,172 | 1/2 | 112,950 | 1/2 | 102,741 | 1/2 | 92,573 | 1/2 | 82,383 |
| 3/4 |       | 3/4 |       | 3/4 | 151,748 | 3/4 | 143,405 | 3/4 | 133,182 | 3/4 | 122,959 | 3/4 | 112,737 | 3/4 | 102,529 | 3/4 | 92,361 | 3/4 | 82,171 |
| 2   |       | 2   |       | 2   | 151,720 | 2   | 143,192 | 2   | 132,969 | 2   | 122,747 | 2   | 112,524 | 2   | 102,317 | 2   | 92,149 | 2   | 81,958 |
| 1/4 |       | 1/4 |       | 1/4 | 151,691 | 1/4 | 142,979 | 1/4 | 132,756 | 1/4 | 122,534 | 1/4 | 112,311 | 1/4 | 102,106 | 1/4 | 91,938 | 1/4 | 81,746 |
| 1/2 |       | 1/2 |       | 1/2 | 151,662 | 1/2 | 142,766 | 1/2 | 132,543 | 1/2 | 122,321 | 1/2 | 112,098 | 1/2 | 101,894 | 1/2 | 91,726 | 1/2 | 81,534 |
| 3/4 |       | 3/4 |       | 3/4 | 151,590 | 3/4 | 142,553 | 3/4 | 132,330 | 3/4 | 122,108 | 3/4 | 111,885 | 3/4 | 101,682 | 3/4 | 91,514 | 3/4 | 81,321 |
| 3   |       | 3   |       | 3   | 151,519 | 3   | 142,340 | 3   | 132,117 | 3   | 121,895 | 3   | 111,672 | 3   | 101,470 | 3   | 91,302 | 3   | 81,109 |
| 1/4 |       | 1/4 |       | 1/4 | 151,447 | 1/4 | 142,127 | 1/4 | 131,904 | 1/4 | 121,682 | 1/4 | 111,459 | 1/4 | 101,258 | 1/4 | 91,090 | 1/4 | 80,897 |
| 1/2 |       | 1/2 |       | 1/2 | 151,375 | 1/2 | 141,914 | 1/2 | 131,691 | 1/2 | 121,469 | 1/2 | 111,246 | 1/2 | 101,046 | 1/2 | 90,878 | 1/2 | 80,684 |
| 3/4 |       | 3/4 |       | 3/4 | 151,261 | 3/4 | 141,701 | 3/4 | 131,478 | 3/4 | 121,256 | 3/4 | 111,033 | 3/4 | 100,835 | 3/4 | 90,666 | 3/4 | 80,472 |
| 4   |       | 4   |       | 4   | 151,147 | 4   | 141,488 | 4   | 131,265 | 4   | 121,043 | 4   | 110,820 | 4   | 100,623 | 4   | 90,454 | 4   | 80,259 |
| 1/4 |       | 1/4 |       | 1/4 | 151,033 | 1/4 | 141,275 | 1/4 | 131,052 | 1/4 | 120,830 | 1/4 | 110,607 | 1/4 | 100,411 | 1/4 | 90,241 | 1/4 | 80,047 |
| 1/2 |       | 1/2 |       | 1/2 | 150,919 | 1/2 | 141,062 | 1/2 | 130,839 | 1/2 | 120,617 | 1/2 | 110,394 | 1/2 | 100,199 | 1/2 | 90,029 | 1/2 | 79,835 |
| 3/4 |       | 3/4 |       | 3/4 | 150,762 | 3/4 | 140,849 | 3/4 | 130,626 | 3/4 | 120,404 | 3/4 | 110,181 | 3/4 | 99,987  | 3/4 | 89,817 | 3/4 | 79,622 |
| 5   |       | 5   |       | 5   | 150,605 | 5   | 140,636 | 5   | 130,413 | 5   | 120,191 | 5   | 109,968 | 5   | 99,775  | 5   | 89,604 | 5   | 79,410 |
| 1/4 |       | 1/4 |       | 1/4 | 150,449 | 1/4 | 140,423 | 1/4 | 130,200 | 1/4 | 119,978 | 1/4 | 109,755 | 1/4 | 99,564  | 1/4 | 89,392 | 1/4 | 79,198 |
| 1/2 |       | 1/2 |       | 1/2 | 150,292 | 1/2 | 140,210 | 1/2 | 129,987 | 1/2 | 119,765 | 1/2 | 109,542 | 1/2 | 99,352  | 1/2 | 89,179 | 1/2 | 78,985 |
| 3/4 |       | 3/4 |       | 3/4 | 150,095 | 3/4 | 139,997 | 3/4 | 129,775 | 3/4 | 119,552 | 3/4 | 109,329 | 3/4 | 99,140  | 3/4 | 88,967 | 3/4 | 78,773 |
| 6   |       | 6   |       | 6   | 149,897 | 6   | 139,784 | 6   | 129,562 | 6   | 119,339 | 6   | 109,116 | 6   | 98,928  | 6   | 88,755 | 6   | 78,560 |
| 1/4 |       | 1/4 |       | 1/4 | 149,700 | 1/4 | 139,571 | 1/4 | 129,349 | 1/4 | 119,126 | 1/4 | 108,904 | 1/4 | 98,716  | 1/4 | 88,542 | 1/4 | 78,348 |
| 1/2 |       | 1/2 |       | 1/2 | 149,503 | 1/2 | 139,358 | 1/2 | 129,136 | 1/2 | 118,913 | 1/2 | 108,691 | 1/2 | 98,504  | 1/2 | 88,330 | 1/2 | 78,136 |
| 3/4 |       | 3/4 |       | 3/4 | 149,294 | 3/4 | 139,145 | 3/4 | 128,923 | 3/4 | 118,700 | 3/4 | 108,478 | 3/4 | 98,293  | 3/4 | 88,117 | 3/4 | 77,923 |
| 7   |       | 7   |       | 7   | 149,085 | 7   | 138,932 | 7   | 128,710 | 7   | 118,487 | 7   | 108,265 | 7   | 98,081  | 7   | 87,905 | 7   | 77,711 |
| 1/4 |       | 1/4 |       | 1/4 | 148,877 | 1/4 | 138,719 | 1/4 | 128,497 | 1/4 | 118,274 | 1/4 | 108,052 | 1/4 | 97,869  | 1/4 | 87,693 | 1/4 | 77,499 |
| 1/2 |       | 1/2 |       | 1/2 | 148,668 | 1/2 | 138,506 | 1/2 | 128,284 | 1/2 | 118,061 | 1/2 | 107,839 | 1/2 | 97,657  | 1/2 | 87,480 | 1/2 | 77,286 |
| 3/4 |       | 3/4 |       | 3/4 | 148,458 | 3/4 | 138,293 | 3/4 | 128,071 | 3/4 | 117,848 | 3/4 | 107,626 | 3/4 | 97,445  | 3/4 | 87,268 | 3/4 | 77,074 |
| 8   |       | 8   |       | 8   | 148,249 | 8   | 138,080 | 8   | 127,858 | 8   | 117,635 | 8   | 107,413 | 8   | 97,233  | 8   | 87,056 | 8   | 76,861 |
| 1/4 |       | 1/4 |       | 1/4 | 148,039 | 1/4 | 137,867 | 1/4 | 127,645 | 1/4 | 117,422 | 1/4 | 107,200 | 1/4 | 97,022  | 1/4 | 86,843 | 1/4 | 76,649 |
| 1/2 |       | 1/2 |       | 1/2 | 147,829 | 1/2 | 137,654 | 1/2 | 127,432 | 1/2 | 117,209 | 1/2 | 106,987 | 1/2 | 96,810  | 1/2 | 86,631 | 1/2 | 76,437 |
| 3/4 |       | 3/4 |       | 3/4 | 147,619 | 3/4 | 137,441 | 3/4 | 127,219 | 3/4 | 116,996 | 3/4 | 106,774 | 3/4 | 96,598  | 3/4 | 86,418 | 3/4 | 76,224 |
| 9   |       | 9   |       | 9   | 147,409 | 9   | 137,228 | 9   | 127,006 | 9   | 116,783 | 9   | 106,561 | 9   | 96,386  | 9   | 86,206 | 9   | 76,012 |
| 1/4 |       | 1/4 |       | 1/4 | 147,199 | 1/4 | 137,015 | 1/4 | 126,793 | 1/4 | 116,570 | 1/4 | 106,348 | 1/4 | 96,174  | 1/4 | 85,994 | 1/4 | 75,800 |
| 1/2 |       | 1/2 |       | 1/2 | 146,989 | 1/2 | 136,803 | 1/2 | 126,580 | 1/2 | 116,357 | 1/2 | 106,135 | 1/2 | 95,962  | 1/2 | 85,781 | 1/2 | 75,587 |
| 3/4 |       | 3/4 |       | 3/4 | 146,779 | 3/4 | 136,590 | 3/4 | 126,367 | 3/4 | 116,144 | 3/4 | 105,922 | 3/4 | 95,751  | 3/4 | 85,569 | 3/4 | 75,375 |
| 10  |       | 10  |       | 10  | 146,569 | 10  | 136,377 | 10  | 126,154 | 10  | 115,932 | 10  | 105,709 | 10  | 95,539  | 10  | 85,357 | 10  | 75,162 |
| 1/4 |       | 1/4 |       | 1/4 | 146,359 | 1/4 | 136,164 | 1/4 | 125,941 | 1/4 | 115,719 | 1/4 | 105,496 | 1/4 | 95,327  | 1/4 | 85,144 | 1/4 | 74,950 |
| 1/2 |       | 1/2 |       | 1/2 | 146,149 | 1/2 | 135,951 | 1/2 | 125,728 | 1/2 | 115,506 | 1/2 | 105,283 | 1/2 | 95,115  | 1/2 | 84,932 | 1/2 | 74,738 |
| 3/4 |       | 3/4 |       | 3/4 | 145,939 | 3/4 | 135,738 | 3/4 | 125,515 | 3/4 | 115,293 | 3/4 | 105,071 | 3/4 | 94,903  | 3/4 | 84,719 | 3/4 | 74,525 |
| 11  |       | 11  |       | 11  | 145,729 | 11  | 135,525 | 11  | 125,302 | 11  | 115,080 | 11  | 104,859 | 11  | 94,691  | 11  | 84,507 | 11  | 74,313 |
| 1/4 |       | 1/4 |       | 1/4 | 145,519 | 1/4 | 135,312 | 1/4 | 125,089 | 1/4 | 114,867 | 1/4 | 104,648 | 1/4 | 94,480  | 1/4 | 84,295 | 1/4 | 74,100 |
| 1/2 |       | 1/2 |       | 1/2 | 145,309 | 1/2 | 135,099 | 1/2 | 124,876 | 1/2 | 114,654 | 1/2 | 104,436 | 1/2 | 94,268  | 1/2 | 84,082 | 1/2 | 73,888 |
| 3/4 |       | 3/4 |       | 3/4 | 145,099 | 3/4 | 134,886 | 3/4 | 124,663 | 3/4 | 114,441 | 3/4 | 104,224 | 3/4 | 94,056  | 3/4 | 83,870 | 3/4 | 73,676 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 21'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CGBM 120"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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   | 63,369 | 0   | 53,201 | 0   | 43,010 | 0   | 32,819 | 0   | 22,648 | 0   | 12,889 | 0   | 2,713  | 0   |        | 0   |        | 0   |        |
| 1/4 | 63,159 | 1/4 | 52,989 | 1/4 | 42,798 | 1/4 | 32,606 | 1/4 | 22,446 | 1/4 | 12,676 | 1/4 | 2,511  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 62,950 | 1/2 | 52,776 | 1/2 | 42,585 | 1/2 | 32,394 | 1/2 | 22,244 | 1/2 | 12,463 | 1/2 | 2,309  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 62,740 | 3/4 | 52,564 | 3/4 | 42,373 | 3/4 | 32,182 | 3/4 | 22,043 | 3/4 | 12,250 | 3/4 | 2,113  | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 62,531 | 1   | 52,352 | 1   | 42,161 | 1   | 31,969 | 1   | 21,841 | 1   | 12,037 | 1   | 1,917  | 1   |        | 1   |        | 1   |        |
| 1/4 | 62,322 | 1/4 | 52,139 | 1/4 | 41,948 | 1/4 | 31,757 | 1/4 | 21,640 | 1/4 | 11,824 | 1/4 | 1,721  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 62,112 | 1/2 | 51,927 | 1/2 | 41,736 | 1/2 | 31,545 | 1/2 | 21,439 | 1/2 | 11,611 | 1/2 | 1,525  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 61,900 | 3/4 | 51,715 | 3/4 | 41,524 | 3/4 | 31,332 | 3/4 | 21,239 | 3/4 | 11,398 | 3/4 | 1,335  | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 61,688 | 2   | 51,503 | 2   | 41,311 | 2   | 31,120 | 2   | 21,038 | 2   | 11,185 | 2   | 1,145  | 2   |        | 2   |        | 2   |        |
| 1/4 | 61,476 | 1/4 | 51,290 | 1/4 | 41,099 | 1/4 | 30,908 | 1/4 | 20,838 | 1/4 | 10,972 | 1/4 | 956    | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 61,263 | 1/2 | 51,078 | 1/2 | 40,887 | 1/2 | 30,695 | 1/2 | 20,637 | 1/2 | 10,759 | 1/2 | 766    | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 61,051 | 3/4 | 50,866 | 3/4 | 40,674 | 3/4 | 30,483 | 3/4 | 20,437 | 3/4 | 10,546 | 3/4 | 584    | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 60,839 | 3   | 50,653 | 3   | 40,462 | 3   | 30,271 | 3   | 20,236 | 3   | 10,333 | 3   | 402    | 3   |        | 3   |        | 3   |        |
| 1/4 | 60,627 | 1/4 | 50,441 | 1/4 | 40,250 | 1/4 | 30,058 | 1/4 | 20,036 | 1/4 | 10,120 | 1/4 | 220    | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 60,415 | 1/2 | 50,229 | 1/2 | 40,037 | 1/2 | 29,846 | 1/2 | 19,835 | 1/2 | 9,907  | 1/2 | 38     | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 60,203 | 3/4 | 50,016 | 3/4 | 39,825 | 3/4 | 29,634 | 3/4 | 19,635 | 3/4 | 9,694  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 59,991 | 4   | 49,804 | 4   | 39,613 | 4   | 29,421 | 4   | 19,434 | 4   | 9,481  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 59,779 | 1/4 | 49,592 | 1/4 | 39,400 | 1/4 | 29,209 | 1/4 | 19,234 | 1/4 | 9,268  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 59,567 | 1/2 | 49,379 | 1/2 | 39,188 | 1/2 | 28,997 | 1/2 | 19,033 | 1/2 | 9,055  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 59,355 | 3/4 | 49,167 | 3/4 | 38,976 | 3/4 | 28,785 | 3/4 | 18,833 | 3/4 | 8,842  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 59,143 | 5   | 48,955 | 5   | 38,763 | 5   | 28,572 | 5   | 18,632 | 5   | 8,629  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 58,931 | 1/4 | 48,742 | 1/4 | 38,551 | 1/4 | 28,360 | 1/4 | 18,432 | 1/4 | 8,416  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 58,719 | 1/2 | 48,530 | 1/2 | 38,339 | 1/2 | 28,148 | 1/2 | 18,231 | 1/2 | 8,204  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 58,507 | 3/4 | 48,318 | 3/4 | 38,127 | 3/4 | 27,935 | 3/4 | 18,031 | 3/4 | 7,991  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 58,295 | 6   | 48,105 | 6   | 37,914 | 6   | 27,723 | 6   | 17,830 | 6   | 7,778  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 58,083 | 1/4 | 47,893 | 1/4 | 37,702 | 1/4 | 27,511 | 1/4 | 17,630 | 1/4 | 7,565  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 57,870 | 1/2 | 47,681 | 1/2 | 37,490 | 1/2 | 27,298 | 1/2 | 17,429 | 1/2 | 7,352  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 57,658 | 3/4 | 47,468 | 3/4 | 37,277 | 3/4 | 27,086 | 3/4 | 17,229 | 3/4 | 7,139  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 57,446 | 7   | 47,256 | 7   | 37,065 | 7   | 26,874 | 7   | 17,028 | 7   | 6,926  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 57,234 | 1/4 | 47,044 | 1/4 | 36,853 | 1/4 | 26,661 | 1/4 | 16,828 | 1/4 | 6,713  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 57,022 | 1/2 | 46,832 | 1/2 | 36,640 | 1/2 | 26,449 | 1/2 | 16,627 | 1/2 | 6,500  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 56,810 | 3/4 | 46,619 | 3/4 | 36,428 | 3/4 | 26,237 | 3/4 | 16,427 | 3/4 | 6,287  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 56,598 | 8   | 46,407 | 8   | 36,216 | 8   | 26,024 | 8   | 16,226 | 8   | 6,074  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 56,386 | 1/4 | 46,195 | 1/4 | 36,003 | 1/4 | 25,812 | 1/4 | 16,026 | 1/4 | 5,861  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 56,174 | 1/2 | 45,982 | 1/2 | 35,791 | 1/2 | 25,600 | 1/2 | 15,825 | 1/2 | 5,648  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 55,961 | 3/4 | 45,770 | 3/4 | 35,579 | 3/4 | 25,387 | 3/4 | 15,624 | 3/4 | 5,435  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 55,749 | 9   | 45,558 | 9   | 35,366 | 9   | 25,175 | 9   | 15,422 | 9   | 5,222  | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 55,537 | 1/4 | 45,345 | 1/4 | 35,154 | 1/4 | 24,963 | 1/4 | 15,220 | 1/4 | 5,009  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 55,324 | 1/2 | 45,133 | 1/2 | 34,942 | 1/2 | 24,750 | 1/2 | 15,018 | 1/2 | 4,796  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 55,112 | 3/4 | 44,921 | 3/4 | 34,729 | 3/4 | 24,538 | 3/4 | 14,805 | 3/4 | 4,584  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 54,900 | 10  | 44,708 | 10  | 34,517 | 10  | 24,326 | 10  | 14,592 | 10  | 4,371  | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 54,687 | 1/4 | 44,496 | 1/4 | 34,305 | 1/4 | 24,114 | 1/4 | 14,379 | 1/4 | 4,159  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 54,475 | 1/2 | 44,284 | 1/2 | 34,092 | 1/2 | 23,901 | 1/2 | 14,166 | 1/2 | 3,947  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 54,263 | 3/4 | 44,071 | 3/4 | 33,880 | 3/4 | 23,689 | 3/4 | 13,953 | 3/4 | 3,739  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 54,050 | 11  | 43,859 | 11  | 33,668 | 11  | 23,477 | 11  | 13,740 | 11  | 3,532  | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 53,838 | 1/4 | 43,647 | 1/4 | 33,456 | 1/4 | 23,264 | 1/4 | 13,528 | 1/4 | 3,324  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 53,626 | 1/2 | 43,434 | 1/2 | 33,243 | 1/2 | 23,052 | 1/2 | 13,315 | 1/2 | 3,116  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 53,413 | 3/4 | 43,222 | 3/4 | 33,031 | 3/4 | 22,850 | 3/4 | 13,102 | 3/4 | 2,915  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2013 SW  
 CALCULATED: 08/07/2013 CL  
 PRINTED: 08/07/2013 CL  
 NAME CHANGE: 07/09/2018  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2018

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



# BARGE "CGBM 120"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.  | IN  | 9 FT.  |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|
| 0   |       | 0   |         | 0   | 166,281 | 0   | 154,691 | 0   | 143,081 | 0   | 131,472 | 0   | 119,862 | 0   | 108,252 | 0   | 96,643 | 0   | 85,033 |
| 1/4 |       | 1/4 |         | 1/4 | 166,043 | 1/4 | 154,449 | 1/4 | 142,839 | 1/4 | 131,230 | 1/4 | 119,620 | 1/4 | 108,011 | 1/4 | 96,401 | 1/4 | 84,791 |
| 1/2 |       | 1/2 |         | 1/2 | 165,805 | 1/2 | 154,207 | 1/2 | 142,597 | 1/2 | 130,988 | 1/2 | 119,378 | 1/2 | 107,769 | 1/2 | 96,159 | 1/2 | 84,550 |
| 3/4 |       | 3/4 |         | 3/4 | 165,567 | 3/4 | 153,965 | 3/4 | 142,355 | 3/4 | 130,746 | 3/4 | 119,136 | 3/4 | 107,527 | 3/4 | 95,917 | 3/4 | 84,308 |
| 1   |       | 1   |         | 1   | 165,329 | 1   | 153,723 | 1   | 142,114 | 1   | 130,504 | 1   | 118,895 | 1   | 107,285 | 1   | 95,675 | 1   | 84,066 |
| 1/4 |       | 1/4 |         | 1/4 | 165,091 | 1/4 | 153,481 | 1/4 | 141,872 | 1/4 | 130,262 | 1/4 | 118,653 | 1/4 | 107,043 | 1/4 | 95,434 | 1/4 | 83,824 |
| 1/2 |       | 1/2 |         | 1/2 | 164,849 | 1/2 | 153,239 | 1/2 | 141,630 | 1/2 | 130,020 | 1/2 | 118,411 | 1/2 | 106,801 | 1/2 | 95,192 | 1/2 | 83,582 |
| 3/4 |       | 3/4 |         | 3/4 | 164,607 | 3/4 | 152,998 | 3/4 | 141,388 | 3/4 | 129,778 | 3/4 | 118,169 | 3/4 | 106,559 | 3/4 | 94,950 | 3/4 | 83,340 |
| 2   |       | 2   | 173,374 | 2   | 164,365 | 2   | 152,756 | 2   | 141,146 | 2   | 129,537 | 2   | 117,927 | 2   | 106,318 | 2   | 94,708 | 2   | 83,098 |
| 1/4 |       | 1/4 | 173,368 | 1/4 | 164,123 | 1/4 | 152,514 | 1/4 | 140,904 | 1/4 | 129,295 | 1/4 | 117,685 | 1/4 | 106,076 | 1/4 | 94,466 | 1/4 | 82,857 |
| 1/2 |       | 1/2 | 173,335 | 1/2 | 163,882 | 1/2 | 152,272 | 1/2 | 140,662 | 1/2 | 129,053 | 1/2 | 117,443 | 1/2 | 105,834 | 1/2 | 94,224 | 1/2 | 82,615 |
| 3/4 |       | 3/4 | 173,303 | 3/4 | 163,640 | 3/4 | 152,030 | 3/4 | 140,421 | 3/4 | 128,811 | 3/4 | 117,201 | 3/4 | 105,592 | 3/4 | 93,982 | 3/4 | 82,373 |
| 3   |       | 3   | 173,271 | 3   | 163,398 | 3   | 151,788 | 3   | 140,179 | 3   | 128,569 | 3   | 116,960 | 3   | 105,350 | 3   | 93,741 | 3   | 82,131 |
| 1/4 |       | 1/4 | 173,238 | 1/4 | 163,156 | 1/4 | 151,546 | 1/4 | 139,937 | 1/4 | 128,327 | 1/4 | 116,718 | 1/4 | 105,108 | 1/4 | 93,499 | 1/4 | 81,889 |
| 1/2 |       | 1/2 | 173,157 | 1/2 | 162,914 | 1/2 | 151,304 | 1/2 | 139,695 | 1/2 | 128,085 | 1/2 | 116,476 | 1/2 | 104,866 | 1/2 | 93,257 | 1/2 | 81,647 |
| 3/4 |       | 3/4 | 173,077 | 3/4 | 162,672 | 3/4 | 151,063 | 3/4 | 139,453 | 3/4 | 127,844 | 3/4 | 116,234 | 3/4 | 104,624 | 3/4 | 93,015 | 3/4 | 81,405 |
| 4   |       | 4   | 172,996 | 4   | 162,430 | 4   | 150,821 | 4   | 139,211 | 4   | 127,602 | 4   | 115,992 | 4   | 104,383 | 4   | 92,773 | 4   | 81,164 |
| 1/4 |       | 1/4 | 172,915 | 1/4 | 162,188 | 1/4 | 150,579 | 1/4 | 138,969 | 1/4 | 127,360 | 1/4 | 115,750 | 1/4 | 104,141 | 1/4 | 92,531 | 1/4 | 80,922 |
| 1/2 |       | 1/2 | 172,786 | 1/2 | 161,947 | 1/2 | 150,337 | 1/2 | 138,727 | 1/2 | 127,118 | 1/2 | 115,508 | 1/2 | 103,899 | 1/2 | 92,289 | 1/2 | 80,680 |
| 3/4 |       | 3/4 | 172,657 | 3/4 | 161,705 | 3/4 | 150,095 | 3/4 | 138,486 | 3/4 | 126,876 | 3/4 | 115,267 | 3/4 | 103,657 | 3/4 | 92,047 | 3/4 | 80,438 |
| 5   |       | 5   | 172,528 | 5   | 161,463 | 5   | 149,853 | 5   | 138,244 | 5   | 126,634 | 5   | 115,025 | 5   | 103,415 | 5   | 91,806 | 5   | 80,196 |
| 1/4 |       | 1/4 | 172,399 | 1/4 | 161,221 | 1/4 | 149,611 | 1/4 | 138,002 | 1/4 | 126,392 | 1/4 | 114,783 | 1/4 | 103,173 | 1/4 | 91,564 | 1/4 | 79,954 |
| 1/2 |       | 1/2 | 172,221 | 1/2 | 160,979 | 1/2 | 149,370 | 1/2 | 137,760 | 1/2 | 126,150 | 1/2 | 114,541 | 1/2 | 102,931 | 1/2 | 91,322 | 1/2 | 79,712 |
| 3/4 |       | 3/4 | 172,044 | 3/4 | 160,737 | 3/4 | 149,128 | 3/4 | 137,518 | 3/4 | 125,909 | 3/4 | 114,299 | 3/4 | 102,690 | 3/4 | 91,080 | 3/4 | 79,470 |
| 6   |       | 6   | 171,866 | 6   | 160,495 | 6   | 148,886 | 6   | 137,276 | 6   | 125,667 | 6   | 114,057 | 6   | 102,448 | 6   | 90,838 | 6   | 79,229 |
| 1/4 |       | 1/4 | 171,689 | 1/4 | 160,254 | 1/4 | 148,644 | 1/4 | 137,034 | 1/4 | 125,425 | 1/4 | 113,815 | 1/4 | 102,206 | 1/4 | 90,596 | 1/4 | 78,987 |
| 1/2 |       | 1/2 | 171,465 | 1/2 | 160,012 | 1/2 | 148,402 | 1/2 | 136,793 | 1/2 | 125,183 | 1/2 | 113,573 | 1/2 | 101,964 | 1/2 | 90,354 | 1/2 | 78,745 |
| 3/4 |       | 3/4 | 171,242 | 3/4 | 159,770 | 3/4 | 148,160 | 3/4 | 136,551 | 3/4 | 124,941 | 3/4 | 113,332 | 3/4 | 101,722 | 3/4 | 90,113 | 3/4 | 78,503 |
| 7   |       | 7   | 171,018 | 7   | 159,528 | 7   | 147,918 | 7   | 136,309 | 7   | 124,699 | 7   | 113,090 | 7   | 101,480 | 7   | 89,871 | 7   | 78,261 |
| 1/4 |       | 1/4 | 170,795 | 1/4 | 159,286 | 1/4 | 147,677 | 1/4 | 136,067 | 1/4 | 124,457 | 1/4 | 112,848 | 1/4 | 101,238 | 1/4 | 89,629 | 1/4 | 78,019 |
| 1/2 |       | 1/2 | 170,558 | 1/2 | 159,044 | 1/2 | 147,435 | 1/2 | 135,825 | 1/2 | 124,216 | 1/2 | 112,606 | 1/2 | 100,996 | 1/2 | 89,387 | 1/2 | 77,777 |
| 3/4 |       | 3/4 | 170,322 | 3/4 | 158,802 | 3/4 | 147,193 | 3/4 | 135,583 | 3/4 | 123,974 | 3/4 | 112,364 | 3/4 | 100,755 | 3/4 | 89,145 | 3/4 | 77,536 |
| 8   |       | 8   | 170,085 | 8   | 158,560 | 8   | 146,951 | 8   | 135,341 | 8   | 123,732 | 8   | 112,122 | 8   | 100,513 | 8   | 88,903 | 8   | 77,294 |
| 1/4 |       | 1/4 | 169,849 | 1/4 | 158,319 | 1/4 | 146,709 | 1/4 | 135,100 | 1/4 | 123,490 | 1/4 | 111,880 | 1/4 | 100,271 | 1/4 | 88,661 | 1/4 | 77,052 |
| 1/2 |       | 1/2 | 169,611 | 1/2 | 158,077 | 1/2 | 146,467 | 1/2 | 134,858 | 1/2 | 123,248 | 1/2 | 111,639 | 1/2 | 100,029 | 1/2 | 88,419 | 1/2 | 76,810 |
| 3/4 |       | 3/4 | 169,374 | 3/4 | 157,835 | 3/4 | 146,225 | 3/4 | 134,616 | 3/4 | 123,006 | 3/4 | 111,397 | 3/4 | 99,787  | 3/4 | 88,178 | 3/4 | 76,568 |
| 9   |       | 9   | 169,136 | 9   | 157,593 | 9   | 145,983 | 9   | 134,374 | 9   | 122,764 | 9   | 111,155 | 9   | 99,545  | 9   | 87,936 | 9   | 76,326 |
| 1/4 |       | 1/4 | 168,898 | 1/4 | 157,351 | 1/4 | 145,742 | 1/4 | 134,132 | 1/4 | 122,523 | 1/4 | 110,913 | 1/4 | 99,303  | 1/4 | 87,694 | 1/4 | 76,084 |
| 1/2 |       | 1/2 | 168,661 | 1/2 | 157,109 | 1/2 | 145,500 | 1/2 | 133,890 | 1/2 | 122,281 | 1/2 | 110,671 | 1/2 | 99,062  | 1/2 | 87,452 | 1/2 | 75,842 |
| 3/4 |       | 3/4 | 168,423 | 3/4 | 156,867 | 3/4 | 145,258 | 3/4 | 133,648 | 3/4 | 122,039 | 3/4 | 110,429 | 3/4 | 98,820  | 3/4 | 87,210 | 3/4 | 75,601 |
| 10  |       | 10  | 168,185 | 10  | 156,626 | 10  | 145,016 | 10  | 133,406 | 10  | 121,797 | 10  | 110,187 | 10  | 98,578  | 10  | 86,968 | 10  | 75,359 |
| 1/4 |       | 1/4 | 167,947 | 1/4 | 156,384 | 1/4 | 144,774 | 1/4 | 133,165 | 1/4 | 121,555 | 1/4 | 109,945 | 1/4 | 98,336  | 1/4 | 86,726 | 1/4 | 75,117 |
| 1/2 |       | 1/2 | 167,709 | 1/2 | 156,142 | 1/2 | 144,532 | 1/2 | 132,923 | 1/2 | 121,313 | 1/2 | 109,704 | 1/2 | 98,094  | 1/2 | 86,485 | 1/2 | 74,875 |
| 3/4 |       | 3/4 | 167,471 | 3/4 | 155,900 | 3/4 | 144,290 | 3/4 | 132,681 | 3/4 | 121,071 | 3/4 | 109,462 | 3/4 | 97,852  | 3/4 | 86,243 | 3/4 | 74,633 |
| 11  |       | 11  | 167,233 | 11  | 155,658 | 11  | 144,049 | 11  | 132,439 | 11  | 120,829 | 11  | 109,220 | 11  | 97,610  | 11  | 86,001 | 11  | 74,391 |
| 1/4 |       | 1/4 | 166,995 | 1/4 | 155,416 | 1/4 | 143,807 | 1/4 | 132,197 | 1/4 | 120,588 | 1/4 | 108,978 | 1/4 | 97,368  | 1/4 | 85,759 | 1/4 | 74,149 |
| 1/2 |       | 1/2 | 166,757 | 1/2 | 155,174 | 1/2 | 143,565 | 1/2 | 131,955 | 1/2 | 120,346 | 1/2 | 108,736 | 1/2 | 97,127  | 1/2 | 85,517 | 1/2 | 73,908 |
| 3/4 |       | 3/4 | 166,519 | 3/4 | 154,932 | 3/4 | 143,323 | 3/4 | 131,713 | 3/4 | 120,104 | 3/4 | 108,494 | 3/4 | 96,885  | 3/4 | 85,275 | 3/4 | 73,666 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CGBM 120"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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   | 73,424 | 0   | 61,814 | 0   | 50,205 | 0   | 38,595 | 0   | 26,986 | 0   | 15,712 | 0   | 4,103  | 0   |        | 0   |        | 0   |        |
| 1/4 | 73,182 | 1/4 | 61,572 | 1/4 | 49,963 | 1/4 | 38,353 | 1/4 | 26,744 | 1/4 | 15,470 | 1/4 | 3,862  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,940 | 1/2 | 61,331 | 1/2 | 49,721 | 1/2 | 38,111 | 1/2 | 26,510 | 1/2 | 15,228 | 1/2 | 3,621  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,698 | 3/4 | 61,089 | 3/4 | 49,479 | 3/4 | 37,870 | 3/4 | 26,276 | 3/4 | 14,986 | 3/4 | 3,380  | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 72,456 | 1   | 60,847 | 1   | 49,237 | 1   | 37,628 | 1   | 26,042 | 1   | 14,744 | 1   | 3,139  | 1   |        | 1   |        | 1   |        |
| 1/4 | 72,214 | 1/4 | 60,605 | 1/4 | 48,995 | 1/4 | 37,386 | 1/4 | 25,808 | 1/4 | 14,503 | 1/4 | 2,897  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,973 | 1/2 | 60,363 | 1/2 | 48,754 | 1/2 | 37,144 | 1/2 | 25,575 | 1/2 | 14,261 | 1/2 | 2,657  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,731 | 3/4 | 60,121 | 3/4 | 48,512 | 3/4 | 36,902 | 3/4 | 25,341 | 3/4 | 14,019 | 3/4 | 2,417  | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 71,489 | 2   | 59,879 | 2   | 48,270 | 2   | 36,660 | 2   | 25,108 | 2   | 13,777 | 2   | 2,177  | 2   |        | 2   |        | 2   |        |
| 1/4 | 71,247 | 1/4 | 59,637 | 1/4 | 48,028 | 1/4 | 36,418 | 1/4 | 24,874 | 1/4 | 13,535 | 1/4 | 1,937  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,005 | 1/2 | 59,396 | 1/2 | 47,786 | 1/2 | 36,177 | 1/2 | 24,641 | 1/2 | 13,293 | 1/2 | 1,698  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,763 | 3/4 | 59,154 | 3/4 | 47,544 | 3/4 | 35,935 | 3/4 | 24,407 | 3/4 | 13,051 | 3/4 | 1,459  | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 70,521 | 3   | 58,912 | 3   | 47,302 | 3   | 35,693 | 3   | 24,174 | 3   | 12,810 | 3   | 1,221  | 3   |        | 3   |        | 3   |        |
| 1/4 | 70,280 | 1/4 | 58,670 | 1/4 | 47,060 | 1/4 | 35,451 | 1/4 | 23,941 | 1/4 | 12,568 | 1/4 | 982    | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,038 | 1/2 | 58,428 | 1/2 | 46,819 | 1/2 | 35,209 | 1/2 | 23,707 | 1/2 | 12,326 | 1/2 | 746    | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 69,796 | 3/4 | 58,186 | 3/4 | 46,577 | 3/4 | 34,967 | 3/4 | 23,474 | 3/4 | 12,084 | 3/4 | 510    | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 69,554 | 4   | 57,944 | 4   | 46,335 | 4   | 34,725 | 4   | 23,240 | 4   | 11,842 | 4   | 274    | 4   |        | 4   |        | 4   |        |
| 1/4 | 69,312 | 1/4 | 57,703 | 1/4 | 46,093 | 1/4 | 34,483 | 1/4 | 23,007 | 1/4 | 11,600 | 1/4 | 38     | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 69,070 | 1/2 | 57,461 | 1/2 | 45,851 | 1/2 | 34,242 | 1/2 | 22,774 | 1/2 | 11,358 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 68,828 | 3/4 | 57,219 | 3/4 | 45,609 | 3/4 | 34,000 | 3/4 | 22,540 | 3/4 | 11,117 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 68,586 | 5   | 56,977 | 5   | 45,367 | 5   | 33,758 | 5   | 22,307 | 5   | 10,875 | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 68,345 | 1/4 | 56,735 | 1/4 | 45,126 | 1/4 | 33,516 | 1/4 | 22,073 | 1/4 | 10,633 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 68,103 | 1/2 | 56,493 | 1/2 | 44,884 | 1/2 | 33,274 | 1/2 | 21,840 | 1/2 | 10,391 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 67,861 | 3/4 | 56,251 | 3/4 | 44,642 | 3/4 | 33,032 | 3/4 | 21,607 | 3/4 | 10,149 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 67,619 | 6   | 56,009 | 6   | 44,400 | 6   | 32,790 | 6   | 21,373 | 6   | 9,907  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 67,377 | 1/4 | 55,768 | 1/4 | 44,158 | 1/4 | 32,549 | 1/4 | 21,140 | 1/4 | 9,665  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 67,135 | 1/2 | 55,526 | 1/2 | 43,916 | 1/2 | 32,307 | 1/2 | 20,906 | 1/2 | 9,424  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 66,893 | 3/4 | 55,284 | 3/4 | 43,674 | 3/4 | 32,065 | 3/4 | 20,673 | 3/4 | 9,182  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 66,652 | 7   | 55,042 | 7   | 43,432 | 7   | 31,823 | 7   | 20,440 | 7   | 8,940  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 66,410 | 1/4 | 54,800 | 1/4 | 43,191 | 1/4 | 31,581 | 1/4 | 20,206 | 1/4 | 8,698  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 66,168 | 1/2 | 54,558 | 1/2 | 42,949 | 1/2 | 31,339 | 1/2 | 19,973 | 1/2 | 8,456  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 65,926 | 3/4 | 54,316 | 3/4 | 42,707 | 3/4 | 31,097 | 3/4 | 19,740 | 3/4 | 8,214  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 65,684 | 8   | 54,075 | 8   | 42,465 | 8   | 30,855 | 8   | 19,506 | 8   | 7,972  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 65,442 | 1/4 | 53,833 | 1/4 | 42,223 | 1/4 | 30,614 | 1/4 | 19,273 | 1/4 | 7,731  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 65,200 | 1/2 | 53,591 | 1/2 | 41,981 | 1/2 | 30,372 | 1/2 | 19,039 | 1/2 | 7,489  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 64,959 | 3/4 | 53,349 | 3/4 | 41,739 | 3/4 | 30,130 | 3/4 | 18,806 | 3/4 | 7,247  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 64,717 | 9   | 53,107 | 9   | 41,498 | 9   | 29,888 | 9   | 18,573 | 9   | 7,005  | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 64,475 | 1/4 | 52,865 | 1/4 | 41,256 | 1/4 | 29,646 | 1/4 | 18,339 | 1/4 | 6,763  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 64,233 | 1/2 | 52,623 | 1/2 | 41,014 | 1/2 | 29,404 | 1/2 | 18,106 | 1/2 | 6,521  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 63,991 | 3/4 | 52,382 | 3/4 | 40,772 | 3/4 | 29,162 | 3/4 | 17,872 | 3/4 | 6,279  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 63,749 | 10  | 52,140 | 10  | 40,530 | 10  | 28,921 | 10  | 17,638 | 10  | 6,038  | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 63,507 | 1/4 | 51,898 | 1/4 | 40,288 | 1/4 | 28,679 | 1/4 | 17,405 | 1/4 | 5,796  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 63,265 | 1/2 | 51,656 | 1/2 | 40,046 | 1/2 | 28,437 | 1/2 | 17,163 | 1/2 | 5,554  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 63,024 | 3/4 | 51,414 | 3/4 | 39,805 | 3/4 | 28,195 | 3/4 | 16,921 | 3/4 | 5,312  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 62,782 | 11  | 51,172 | 11  | 39,563 | 11  | 27,953 | 11  | 16,679 | 11  | 5,070  | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 62,540 | 1/4 | 50,930 | 1/4 | 39,321 | 1/4 | 27,711 | 1/4 | 16,437 | 1/4 | 4,828  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 62,298 | 1/2 | 50,688 | 1/2 | 39,079 | 1/2 | 27,469 | 1/2 | 16,196 | 1/2 | 4,587  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 62,056 | 3/4 | 50,447 | 3/4 | 38,837 | 3/4 | 27,227 | 3/4 | 15,954 | 3/4 | 4,345  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2013 SW  
 CALCULATED: 08/07/2013 CL  
 PRINTED: 08/07/2013 CL  
 NAME CHANGE: 07/09/2018  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2018

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



# BARGE "CGBM 120"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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   |       | 0   |         | 0   | 149,521 | 0   | 139,060 | 0   | 128,593 | 0   | 118,126 | 0   | 107,658 | 0   | 97,191 | 0   | 86,723 | 0   | 76,256 |
| 1/4 |       | 1/4 |         | 1/4 | 149,306 | 1/4 | 138,842 | 1/4 | 128,375 | 1/4 | 117,907 | 1/4 | 107,440 | 1/4 | 96,973 | 1/4 | 86,505 | 1/4 | 76,038 |
| 1/2 |       | 1/2 |         | 1/2 | 149,092 | 1/2 | 138,624 | 1/2 | 128,157 | 1/2 | 117,689 | 1/2 | 107,222 | 1/2 | 96,755 | 1/2 | 86,287 | 1/2 | 75,820 |
| 3/4 |       | 3/4 |         | 3/4 | 148,874 | 3/4 | 138,406 | 3/4 | 127,939 | 3/4 | 117,471 | 3/4 | 107,004 | 3/4 | 96,537 | 3/4 | 86,069 | 3/4 | 75,602 |
| 1   |       | 1   |         | 1   | 148,655 | 1   | 138,188 | 1   | 127,721 | 1   | 117,253 | 1   | 106,786 | 1   | 96,318 | 1   | 85,851 | 1   | 75,384 |
| 1/4 |       | 1/4 | 156,560 | 1/4 | 148,437 | 1/4 | 137,970 | 1/4 | 127,503 | 1/4 | 117,035 | 1/4 | 106,568 | 1/4 | 96,100 | 1/4 | 85,633 | 1/4 | 75,166 |
| 1/2 |       | 1/2 | 156,554 | 1/2 | 148,219 | 1/2 | 137,752 | 1/2 | 127,285 | 1/2 | 116,817 | 1/2 | 106,350 | 1/2 | 95,882 | 1/2 | 85,415 | 1/2 | 74,948 |
| 3/4 |       | 3/4 | 156,525 | 3/4 | 148,001 | 3/4 | 137,534 | 3/4 | 127,066 | 3/4 | 116,599 | 3/4 | 106,132 | 3/4 | 95,664 | 3/4 | 85,197 | 3/4 | 74,729 |
| 2   |       | 2   | 156,496 | 2   | 147,783 | 2   | 137,316 | 2   | 126,848 | 2   | 116,381 | 2   | 105,914 | 2   | 95,446 | 2   | 84,979 | 2   | 74,511 |
| 1/4 |       | 1/4 | 156,467 | 1/4 | 147,565 | 1/4 | 137,098 | 1/4 | 126,630 | 1/4 | 116,163 | 1/4 | 105,696 | 1/4 | 95,228 | 1/4 | 84,761 | 1/4 | 74,293 |
| 1/2 |       | 1/2 | 156,437 | 1/2 | 147,347 | 1/2 | 136,880 | 1/2 | 126,412 | 1/2 | 115,945 | 1/2 | 105,477 | 1/2 | 95,010 | 1/2 | 84,543 | 1/2 | 74,075 |
| 3/4 |       | 3/4 | 156,365 | 3/4 | 147,129 | 3/4 | 136,662 | 3/4 | 126,194 | 3/4 | 115,727 | 3/4 | 105,259 | 3/4 | 94,792 | 3/4 | 84,325 | 3/4 | 73,857 |
| 3   |       | 3   | 156,292 | 3   | 146,911 | 3   | 136,444 | 3   | 125,976 | 3   | 115,509 | 3   | 105,041 | 3   | 94,574 | 3   | 84,107 | 3   | 73,639 |
| 1/4 |       | 1/4 | 156,219 | 1/4 | 146,693 | 1/4 | 136,225 | 1/4 | 125,758 | 1/4 | 115,291 | 1/4 | 104,823 | 1/4 | 94,356 | 1/4 | 83,888 | 1/4 | 73,421 |
| 1/2 |       | 1/2 | 156,146 | 1/2 | 146,475 | 1/2 | 136,007 | 1/2 | 125,540 | 1/2 | 115,073 | 1/2 | 104,605 | 1/2 | 94,138 | 1/2 | 83,670 | 1/2 | 73,203 |
| 3/4 |       | 3/4 | 156,030 | 3/4 | 146,257 | 3/4 | 135,789 | 3/4 | 125,322 | 3/4 | 114,855 | 3/4 | 104,387 | 3/4 | 93,920 | 3/4 | 83,452 | 3/4 | 72,985 |
| 4   |       | 4   | 155,913 | 4   | 146,039 | 4   | 135,571 | 4   | 125,104 | 4   | 114,636 | 4   | 104,169 | 4   | 93,702 | 4   | 83,234 | 4   | 72,767 |
| 1/4 |       | 1/4 | 155,797 | 1/4 | 145,821 | 1/4 | 135,353 | 1/4 | 124,886 | 1/4 | 114,418 | 1/4 | 103,951 | 1/4 | 93,484 | 1/4 | 83,016 | 1/4 | 72,549 |
| 1/2 |       | 1/2 | 155,681 | 1/2 | 145,602 | 1/2 | 135,135 | 1/2 | 124,668 | 1/2 | 114,200 | 1/2 | 103,733 | 1/2 | 93,265 | 1/2 | 82,798 | 1/2 | 72,331 |
| 3/4 |       | 3/4 | 155,521 | 3/4 | 145,384 | 3/4 | 134,917 | 3/4 | 124,450 | 3/4 | 113,982 | 3/4 | 103,515 | 3/4 | 93,047 | 3/4 | 82,580 | 3/4 | 72,113 |
| 5   |       | 5   | 155,361 | 5   | 145,166 | 5   | 134,699 | 5   | 124,232 | 5   | 113,764 | 5   | 103,297 | 5   | 92,829 | 5   | 82,362 | 5   | 71,895 |
| 1/4 |       | 1/4 | 155,201 | 1/4 | 144,948 | 1/4 | 134,481 | 1/4 | 124,013 | 1/4 | 113,546 | 1/4 | 103,079 | 1/4 | 92,611 | 1/4 | 82,144 | 1/4 | 71,676 |
| 1/2 |       | 1/2 | 155,041 | 1/2 | 144,730 | 1/2 | 134,263 | 1/2 | 123,795 | 1/2 | 113,328 | 1/2 | 102,861 | 1/2 | 92,393 | 1/2 | 81,926 | 1/2 | 71,458 |
| 3/4 |       | 3/4 | 154,839 | 3/4 | 144,512 | 3/4 | 134,045 | 3/4 | 123,577 | 3/4 | 113,110 | 3/4 | 102,643 | 3/4 | 92,175 | 3/4 | 81,708 | 3/4 | 71,240 |
| 6   |       | 6   | 154,637 | 6   | 144,294 | 6   | 133,827 | 6   | 123,359 | 6   | 112,892 | 6   | 102,424 | 6   | 91,957 | 6   | 81,490 | 6   | 71,022 |
| 1/4 |       | 1/4 | 154,436 | 1/4 | 144,076 | 1/4 | 133,609 | 1/4 | 123,141 | 1/4 | 112,674 | 1/4 | 102,206 | 1/4 | 91,739 | 1/4 | 81,272 | 1/4 | 70,804 |
| 1/2 |       | 1/2 | 154,234 | 1/2 | 143,858 | 1/2 | 133,391 | 1/2 | 122,923 | 1/2 | 112,456 | 1/2 | 101,988 | 1/2 | 91,521 | 1/2 | 81,054 | 1/2 | 70,586 |
| 3/4 |       | 3/4 | 154,021 | 3/4 | 143,640 | 3/4 | 133,172 | 3/4 | 122,705 | 3/4 | 112,238 | 3/4 | 101,770 | 3/4 | 91,303 | 3/4 | 80,835 | 3/4 | 70,368 |
| 7   |       | 7   | 153,808 | 7   | 143,422 | 7   | 132,954 | 7   | 122,487 | 7   | 112,020 | 7   | 101,552 | 7   | 91,085 | 7   | 80,617 | 7   | 70,150 |
| 1/4 |       | 1/4 | 153,595 | 1/4 | 143,204 | 1/4 | 132,736 | 1/4 | 122,269 | 1/4 | 111,802 | 1/4 | 101,334 | 1/4 | 90,867 | 1/4 | 80,399 | 1/4 | 69,932 |
| 1/2 |       | 1/2 | 153,382 | 1/2 | 142,986 | 1/2 | 132,518 | 1/2 | 122,051 | 1/2 | 111,583 | 1/2 | 101,116 | 1/2 | 90,649 | 1/2 | 80,181 | 1/2 | 69,714 |
| 3/4 |       | 3/4 | 153,167 | 3/4 | 142,768 | 3/4 | 132,300 | 3/4 | 121,833 | 3/4 | 111,365 | 3/4 | 100,898 | 3/4 | 90,431 | 3/4 | 79,963 | 3/4 | 69,496 |
| 8   |       | 8   | 152,953 | 8   | 142,550 | 8   | 132,082 | 8   | 121,615 | 8   | 111,147 | 8   | 100,680 | 8   | 90,212 | 8   | 79,745 | 8   | 69,278 |
| 1/4 |       | 1/4 | 152,739 | 1/4 | 142,331 | 1/4 | 131,864 | 1/4 | 121,397 | 1/4 | 110,929 | 1/4 | 100,462 | 1/4 | 89,994 | 1/4 | 79,527 | 1/4 | 69,060 |
| 1/2 |       | 1/2 | 152,525 | 1/2 | 142,113 | 1/2 | 131,646 | 1/2 | 121,179 | 1/2 | 110,711 | 1/2 | 100,244 | 1/2 | 89,776 | 1/2 | 79,309 | 1/2 | 68,842 |
| 3/4 |       | 3/4 | 152,310 | 3/4 | 141,895 | 3/4 | 131,428 | 3/4 | 120,960 | 3/4 | 110,493 | 3/4 | 100,026 | 3/4 | 89,558 | 3/4 | 79,091 | 3/4 | 68,623 |
| 9   |       | 9   | 152,096 | 9   | 141,677 | 9   | 131,210 | 9   | 120,742 | 9   | 110,275 | 9   | 99,808  | 9   | 89,340 | 9   | 78,873 | 9   | 68,405 |
| 1/4 |       | 1/4 | 151,881 | 1/4 | 141,459 | 1/4 | 130,992 | 1/4 | 120,524 | 1/4 | 110,057 | 1/4 | 99,590  | 1/4 | 89,122 | 1/4 | 78,655 | 1/4 | 68,187 |
| 1/2 |       | 1/2 | 151,666 | 1/2 | 141,241 | 1/2 | 130,774 | 1/2 | 120,306 | 1/2 | 109,839 | 1/2 | 99,371  | 1/2 | 88,904 | 1/2 | 78,437 | 1/2 | 67,969 |
| 3/4 |       | 3/4 | 151,452 | 3/4 | 141,023 | 3/4 | 130,556 | 3/4 | 120,088 | 3/4 | 109,621 | 3/4 | 99,153  | 3/4 | 88,686 | 3/4 | 78,219 | 3/4 | 67,751 |
| 10  |       | 10  | 151,237 | 10  | 140,805 | 10  | 130,338 | 10  | 119,870 | 10  | 109,403 | 10  | 98,935  | 10  | 88,468 | 10  | 78,001 | 10  | 67,533 |
| 1/4 |       | 1/4 | 151,023 | 1/4 | 140,587 | 1/4 | 130,119 | 1/4 | 119,652 | 1/4 | 109,185 | 1/4 | 98,717  | 1/4 | 88,250 | 1/4 | 77,782 | 1/4 | 67,315 |
| 1/2 |       | 1/2 | 150,808 | 1/2 | 140,369 | 1/2 | 129,901 | 1/2 | 119,434 | 1/2 | 108,967 | 1/2 | 98,499  | 1/2 | 88,032 | 1/2 | 77,564 | 1/2 | 67,097 |
| 3/4 |       | 3/4 | 150,594 | 3/4 | 140,151 | 3/4 | 129,683 | 3/4 | 119,216 | 3/4 | 108,749 | 3/4 | 98,281  | 3/4 | 87,814 | 3/4 | 77,346 | 3/4 | 66,879 |
| 11  |       | 11  | 150,379 | 11  | 139,933 | 11  | 129,465 | 11  | 118,998 | 11  | 108,530 | 11  | 98,063  | 11  | 87,596 | 11  | 77,128 | 11  | 66,661 |
| 1/4 |       | 1/4 | 150,164 | 1/4 | 139,715 | 1/4 | 129,247 | 1/4 | 118,780 | 1/4 | 108,312 | 1/4 | 97,845  | 1/4 | 87,378 | 1/4 | 76,910 | 1/4 | 66,443 |
| 1/2 |       | 1/2 | 149,950 | 1/2 | 139,497 | 1/2 | 129,029 | 1/2 | 118,562 | 1/2 | 108,094 | 1/2 | 97,627  | 1/2 | 87,159 | 1/2 | 76,692 | 1/2 | 66,225 |
| 3/4 |       | 3/4 | 149,735 | 3/4 | 139,278 | 3/4 | 128,811 | 3/4 | 118,344 | 3/4 | 107,876 | 3/4 | 97,409  | 3/4 | 86,941 | 3/4 | 76,474 | 3/4 | 66,007 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CGBM 120"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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   | 65,789 | 0   | 55,321 | 0   | 44,854 | 0   | 34,386 | 0   | 23,923 | 0   | 13,516 | 0   | 3,051  | 0   |        | 0   |        | 0   |        |
| 1/4 | 65,570 | 1/4 | 55,103 | 1/4 | 44,636 | 1/4 | 34,168 | 1/4 | 23,706 | 1/4 | 13,298 | 1/4 | 2,834  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 65,352 | 1/2 | 54,885 | 1/2 | 44,418 | 1/2 | 33,950 | 1/2 | 23,489 | 1/2 | 13,080 | 1/2 | 2,616  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 65,134 | 3/4 | 54,667 | 3/4 | 44,200 | 3/4 | 33,732 | 3/4 | 23,272 | 3/4 | 12,862 | 3/4 | 2,400  | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 64,916 | 1   | 54,449 | 1   | 43,981 | 1   | 33,514 | 1   | 23,056 | 1   | 12,644 | 1   | 2,183  | 1   | 1      | 1   |        | 1   |        |
| 1/4 | 64,698 | 1/4 | 54,231 | 1/4 | 43,763 | 1/4 | 33,296 | 1/4 | 22,839 | 1/4 | 12,426 | 1/4 | 1,967  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 64,480 | 1/2 | 54,013 | 1/2 | 43,545 | 1/2 | 33,078 | 1/2 | 22,622 | 1/2 | 12,207 | 1/2 | 1,750  | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 64,262 | 3/4 | 53,795 | 3/4 | 43,327 | 3/4 | 32,860 | 3/4 | 22,405 | 3/4 | 11,989 | 3/4 | 1,535  | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 64,044 | 2   | 53,577 | 2   | 43,109 | 2   | 32,642 | 2   | 22,189 | 2   | 11,771 | 2   | 1,320  | 2   | 2      | 2   |        | 2   |        |
| 1/4 | 63,826 | 1/4 | 53,359 | 1/4 | 42,891 | 1/4 | 32,424 | 1/4 | 21,973 | 1/4 | 11,553 | 1/4 | 1,105  | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 63,608 | 1/2 | 53,140 | 1/2 | 42,673 | 1/2 | 32,206 | 1/2 | 21,756 | 1/2 | 11,335 | 1/2 | 889    | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 63,390 | 3/4 | 52,922 | 3/4 | 42,455 | 3/4 | 31,988 | 3/4 | 21,540 | 3/4 | 11,117 | 3/4 | 676    | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 63,172 | 3   | 52,704 | 3   | 42,237 | 3   | 31,769 | 3   | 21,324 | 3   | 10,899 | 3   | 464    | 3   | 3      | 3   |        | 3   |        |
| 1/4 | 62,954 | 1/4 | 52,486 | 1/4 | 42,019 | 1/4 | 31,551 | 1/4 | 21,107 | 1/4 | 10,681 | 1/4 | 251    | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 62,736 | 1/2 | 52,268 | 1/2 | 41,801 | 1/2 | 31,333 | 1/2 | 20,891 | 1/2 | 10,463 | 1/2 | 38     | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 62,517 | 3/4 | 52,050 | 3/4 | 41,583 | 3/4 | 31,115 | 3/4 | 20,675 | 3/4 | 10,245 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 62,299 | 4   | 51,832 | 4   | 41,365 | 4   | 30,897 | 4   | 20,458 | 4   | 10,027 | 4   |        | 4   | 4      | 4   |        | 4   |        |
| 1/4 | 62,081 | 1/4 | 51,614 | 1/4 | 41,147 | 1/4 | 30,679 | 1/4 | 20,242 | 1/4 | 9,809  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 61,863 | 1/2 | 51,396 | 1/2 | 40,928 | 1/2 | 30,461 | 1/2 | 20,025 | 1/2 | 9,591  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 61,645 | 3/4 | 51,178 | 3/4 | 40,710 | 3/4 | 30,243 | 3/4 | 19,809 | 3/4 | 9,373  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 61,427 | 5   | 50,960 | 5   | 40,492 | 5   | 30,025 | 5   | 19,593 | 5   | 9,155  | 5   |        | 5   | 5      | 5   |        | 5   |        |
| 1/4 | 61,209 | 1/4 | 50,742 | 1/4 | 40,274 | 1/4 | 29,807 | 1/4 | 19,376 | 1/4 | 8,937  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 60,991 | 1/2 | 50,524 | 1/2 | 40,056 | 1/2 | 29,589 | 1/2 | 19,160 | 1/2 | 8,718  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 60,773 | 3/4 | 50,306 | 3/4 | 39,838 | 3/4 | 29,371 | 3/4 | 18,944 | 3/4 | 8,500  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 60,555 | 6   | 50,087 | 6   | 39,620 | 6   | 29,153 | 6   | 18,727 | 6   | 8,282  | 6   |        | 6   | 6      | 6   |        | 6   |        |
| 1/4 | 60,337 | 1/4 | 49,869 | 1/4 | 39,402 | 1/4 | 28,935 | 1/4 | 18,511 | 1/4 | 8,064  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 60,119 | 1/2 | 49,651 | 1/2 | 39,184 | 1/2 | 28,716 | 1/2 | 18,295 | 1/2 | 7,846  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 59,901 | 3/4 | 49,433 | 3/4 | 38,966 | 3/4 | 28,498 | 3/4 | 18,078 | 3/4 | 7,628  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 59,683 | 7   | 49,215 | 7   | 38,748 | 7   | 28,280 | 7   | 17,862 | 7   | 7,410  | 7   |        | 7   | 7      | 7   |        | 7   |        |
| 1/4 | 59,464 | 1/4 | 48,997 | 1/4 | 38,530 | 1/4 | 28,062 | 1/4 | 17,646 | 1/4 | 7,192  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 59,246 | 1/2 | 48,779 | 1/2 | 38,312 | 1/2 | 27,844 | 1/2 | 17,429 | 1/2 | 6,974  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 59,028 | 3/4 | 48,561 | 3/4 | 38,094 | 3/4 | 27,626 | 3/4 | 17,213 | 3/4 | 6,756  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 58,810 | 8   | 48,343 | 8   | 37,875 | 8   | 27,408 | 8   | 16,997 | 8   | 6,538  | 8   |        | 8   | 8      | 8   |        | 8   |        |
| 1/4 | 58,592 | 1/4 | 48,125 | 1/4 | 37,657 | 1/4 | 27,190 | 1/4 | 16,780 | 1/4 | 6,320  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 58,374 | 1/2 | 47,907 | 1/2 | 37,439 | 1/2 | 26,972 | 1/2 | 16,564 | 1/2 | 6,102  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 58,156 | 3/4 | 47,689 | 3/4 | 37,221 | 3/4 | 26,754 | 3/4 | 16,347 | 3/4 | 5,884  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 57,938 | 9   | 47,471 | 9   | 37,003 | 9   | 26,536 | 9   | 16,130 | 9   | 5,666  | 9   |        | 9   | 9      | 9   |        | 9   |        |
| 1/4 | 57,720 | 1/4 | 47,253 | 1/4 | 36,785 | 1/4 | 26,318 | 1/4 | 15,913 | 1/4 | 5,448  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 57,502 | 1/2 | 47,034 | 1/2 | 36,567 | 1/2 | 26,100 | 1/2 | 15,696 | 1/2 | 5,229  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 57,284 | 3/4 | 46,816 | 3/4 | 36,349 | 3/4 | 25,882 | 3/4 | 15,478 | 3/4 | 5,011  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 57,066 | 10  | 46,598 | 10  | 36,131 | 10  | 25,664 | 10  | 15,260 | 10  | 4,793  | 10  |        | 10  | 10     | 10  |        | 10  |        |
| 1/4 | 56,848 | 1/4 | 46,380 | 1/4 | 35,913 | 1/4 | 25,445 | 1/4 | 15,042 | 1/4 | 4,575  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 56,630 | 1/2 | 46,162 | 1/2 | 35,695 | 1/2 | 25,227 | 1/2 | 14,824 | 1/2 | 4,357  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 56,412 | 3/4 | 45,944 | 3/4 | 35,477 | 3/4 | 25,010 | 3/4 | 14,606 | 3/4 | 4,139  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 56,193 | 11  | 45,726 | 11  | 35,259 | 11  | 24,792 | 11  | 14,388 | 11  | 3,921  | 11  |        | 11  | 11     | 11  |        | 11  |        |
| 1/4 | 55,975 | 1/4 | 45,508 | 1/4 | 35,041 | 1/4 | 24,575 | 1/4 | 14,170 | 1/4 | 3,704  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 55,757 | 1/2 | 45,290 | 1/2 | 34,822 | 1/2 | 24,357 | 1/2 | 13,952 | 1/2 | 3,486  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 55,539 | 3/4 | 45,072 | 3/4 | 34,604 | 3/4 | 24,140 | 3/4 | 13,734 | 3/4 | 3,268  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2013 SW  
CALCULATED: 08/07/2013 CL  
PRINTED: 08/07/2013 CL  
NAME CHANGE: 07/09/2018  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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