

**Francis Melvin Companies**  
 1022 E. Spruce Street  
 Abbotsford, WI 54405

**Office: 715-748-3200**  
**Fax: 715-748-9258**

### 2000 Gal Single & 2 Cmp Septic Tank

**\*\*\* Enter Dimensions in Inches \*\*\***

Tank Length = <b>A</b> = <b>152.00</b>	(Calc. Based on 1/3 / 2/3)	Round off to:
Tank Width = <b>B</b> = <b>79.00</b>	Lgth of 1st Cmp = 96.00	<b>96</b>
Tank Height = <b>C</b> = <b>68.00</b>	Lgth of 2nd Cmp = 48.00	<b>48</b>
Wall Thickness = <b>D</b> = <b>3.00</b>		
Lid Thickness = <b>E</b> = <b>6.00</b>	<b>*** Except or Override Comp. Dimensions ***</b>	
Floor Thickness = <b>F</b> = <b>4.00</b>	Lgth of 1st Cmp = <b>89</b>	
Wall Taper = <b>G</b> = <b>2.50</b>	Lgth of 2nd Cmp = <b>55</b>	
Liquid Level = <b>H</b> = <b>48.00</b>	Total <b>144</b> = <span style="border: 1px solid black; padding: 2px;"><b>144</b></span>	
Distance In/Out = <b>I</b> = <b>2.00</b>	<i>(Total must equal this dimension)</i>	

**\*\*\* Air Space \*\*\***

Air Space = <b>J</b> = <b>10.00</b>
% of Air Space = <b>K</b> = <b>21%</b>

**\*\*\* Length & Widths \*\*\***

Inside Lgth @ Top = <b>L</b> = <b>146.00</b>
Inside Width @ Top = <b>M</b> = <b>73.00</b>
Inside Length @ Btm = <b>N</b> = <b>141.00</b>
Inside Width @ Btm = <b>O</b> = <b>68.00</b>
Inside Lgth of 1st Cmp = <b>P</b> = <b>89.00</b>
Inside Lgth of 2nd Cmp = <b>Q</b> = <b>55.00</b>
Lgth @ Btm of 1st Cmp = <b>R</b> = <b>85.00</b>
Lgth @ Btm of 2nd Cmp = <b>S</b> = <b>51.00</b>
Width @ Btm of Tank = <b>T</b> = <b>74.00</b>
Length @ Btm of Tank = <b>U</b> = <b>147.00</b>

**\*\*\* Heights \*\*\***

Inside Height = <b>V</b> = <b>58.00</b>
Inlet Height = <b>W</b> = <b>54.00</b>
Outlet Height = <b>X</b> = <b>52.00</b>
Space above Inlet = <b>Y</b> = <b>4.50</b>

**\*\*\* Tank Capacities \*\*\***

Total Gal - Single Cmp = <b>2082</b>
Gallons of 1st Cmp = <b>1261</b>
Gallons of 2nd Cmp = <b>767</b>
Gal. of 1st + 2nd Cmp = <b>2028</b>
Total Gallons (Full to Lid) = <b>2541</b>

**\*\*\* Gallons Per Inch \*\*\***

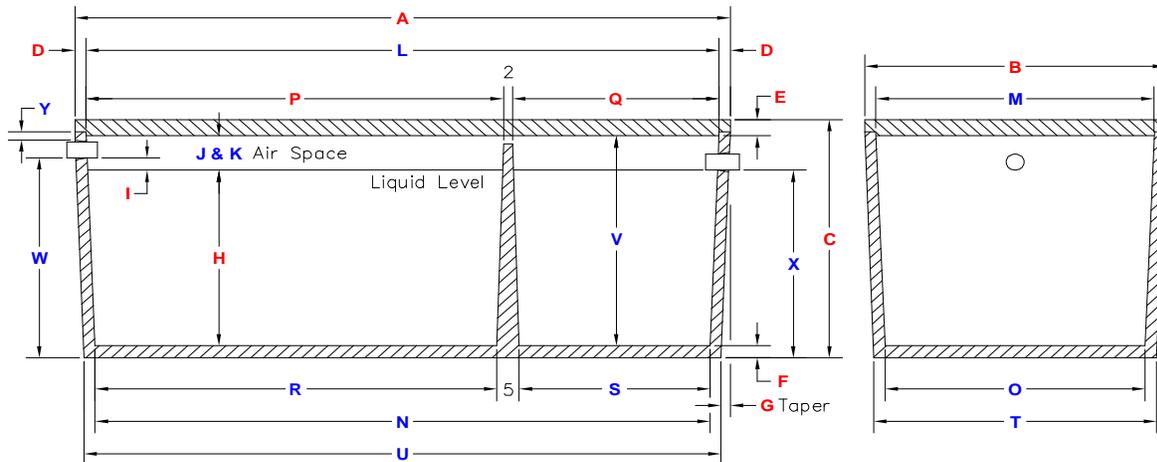
Gal/In (Single) = <b>43.4</b>
Gal/In (1st cmp) = <b>26.3</b>
Gal/In (2nd cmp) = <b>16.0</b>

**\*\*\* Tank Weights \*\*\***

	2 Cmp	Single Cmp
Weight of Tank = <b>11879.5</b>	<b>10732.4</b>	
Weight of Lid = <b>6254.2</b>	<b>6254.2</b>	
<b>Total Weight of Tank = 18133.6</b>	<b>16986.6</b>	

**\*\*\* Volume of Concrete \*\*\***

	2 Cmp	Single Cmp
Tank - Cubic Yards = <b>2.93</b>	<b>2.65</b>	
Lid - Cubic Yards = <b>1.54</b>	<b>1.54</b>	
<b>Total Cubic Yards = 4.48</b>	<b>4.19</b>	



*The Company/Persons named above shall be given written permission upon purchase of the Concrete Form to duplicate and promote sales literature on this septic tank by:*

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**1250 Gal Single Compartment Septic Tank**

\*\*\* General Dimensions \*\*\*

Tank Length = AA = 95.00  
 Tank Width = B = 79.00  
 Tank Height = C = 68.00  
 Wall Thickness = D = 3.00  
 Lid Thickness = E = 6.00  
 Floor Thickness = F = 4.00  
 Wall Taper (Inlet) = G<sub>1</sub> = 2.50  
 Liquid Level = H = 48.00  
 Distance In/Out = I = 2.00

Wall Taper (Outlet) = G<sub>2</sub> = 1.50  
 Air Space = J = 10.00  
 % of Air Space = K = 21%

\*\*\* Length & Widths \*\*\*

Inside Lgth @ Top = P = 89.00  
 Inside Width @ Top = M = 73.00  
 Inside Lgth @ Btm = R = 85.00  
 Inside Width @ Btm = O = 68.00  
 Width @ Btm of Tank = T = 74.00  
 Lgth @ Btm of Tank = AU = 90.00

\*\*\* Heights \*\*\*

Inside Height = V = 58.00  
 Inlet Height = W = 54.00  
 Outlet Height = X = 52.00  
 Space above Inlet = Y = 4.50

\*\*\* Tank Capacities \*\*\*

Total Gal - Single Cmp = 1261  
 Total Gallons (Full to Lid) = 1540

\*\*\* Gallons Per Inch \*\*\*

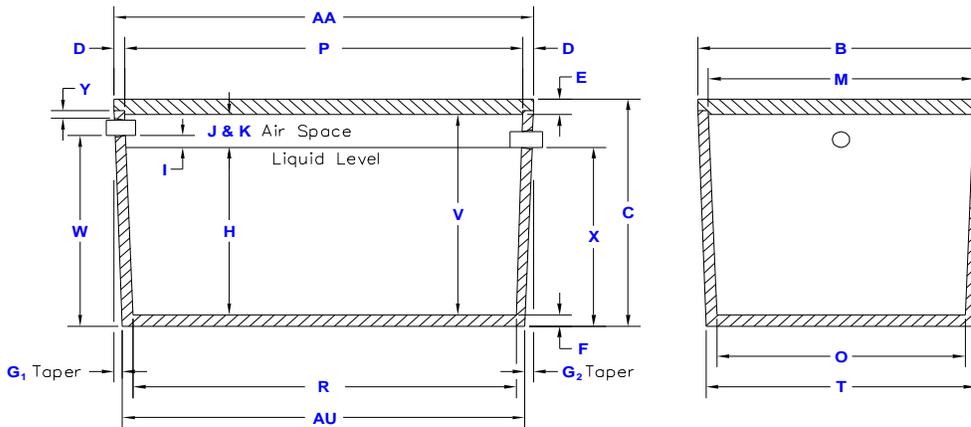
Gal/In (Single) = 26.3

\*\*\* Tank Weights \*\*\*

Weight of Tank = 7288.8  
 Weight of Lid = 3908.9  
 Total Weight of Tank = 11197.7

\*\*\* Volume of Concrete \*\*\*

Tank - Cubic Yards = 1.8  
 Lid - Cubic Yards = 1.0  
 Total Cubic Yards = 2.8



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**750 Gal Single Compartment Septic Tank**

\*\*\* General Dimensions \*\*\*

Overall Tank Length = **B** = 79.00  
 Overall Tank Width = **BB** = 61.00  
 Overall Tank Height = **C** = 68.00  
 Wall Thickness = **D** = 3.00  
 Lid Thickness = **E** = 6.00  
 Floor Thickness = **F** = 4.00  
 Wall Taper = **G<sub>1</sub>** = 2.50  
 Liquid Level Height = **H** = 48.00  
 Distance In/Out = **I** = 2.00

Wall Taper = **G<sub>2</sub>** = 1.50  
 Air Space = **J** = 10.00  
 % of Air Space = **K** = 21%

\*\*\* Length & Widths \*\*\*

Inside Lgth @ Top = **M** = 73.00  
 Inside Width @ Top = **BN** = 55.00  
 Inside Lgth @ Btm = **O** = 68.00  
 Inside Width @ Btm = **BP** = 51.00  
 Width @ Btm of Tank = **BT** = 57.00  
 Lgth @ Btm of Tank = **BU** = 74.00

\*\*\* Heights \*\*\*

Inside Height = **V** = 58.00  
 Inlet Height = **W** = 54.00  
 Outlet Height = **X** = 52.00  
 Space above Inlet = **Y** = 4.50

\*\*\* Tank Capacities \*\*\*

Total Gal - Single Cmp = 767  
 Total Gallons (Full to Lid) = 939

\*\*\* Gallons Per Inch \*\*\*

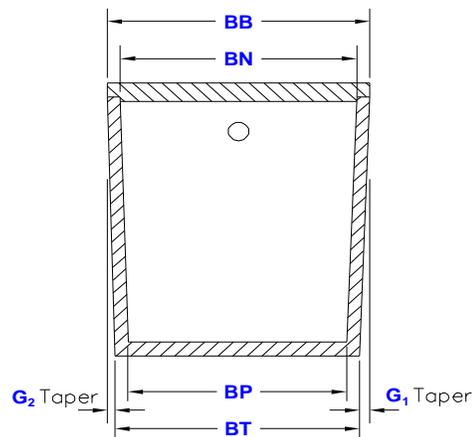
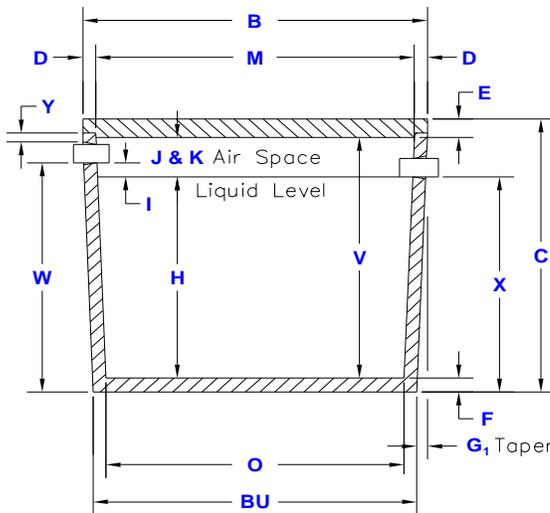
Gallons / Inch = 16.0

\*\*\* Tank Weights \*\*\*

Weight of Tank = 5547.2  
 Weight of Lid = 2509.9  
 Total Weight of Tank = 8057.1

\*\*\* Volume of Concrete \*\*\*

Tank - Cubic Yards = 1.4  
 Lid - Cubic Yards = 0.6  
 Total Cubic Yards = 2.0



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