

## 1500 Gal Single & 2 Cmp Septic Tank

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

Tank Length = <b>A</b> = <b>144.00</b>	(Calc. Based on 1/3 / 2/3)		Round off to:
Tank Width = <b>B</b> = <b>67.00</b>	Lgth of 1st Cmp = 91.33		<b>91</b>
Tank Height = <b>C</b> = <b>62.00</b>	Lgth of 2nd Cmp = 45.67		<b>46</b>
Wall Thickness = <b>D</b> = <b>2.50</b>			
Lid Thickness = <b>E</b> = <b>4.00</b>			
Floor Thickness = <b>F</b> = <b>4.00</b>	Lgth of 1st Cmp = <b>92</b>		
Wall Taper = <b>G</b> = <b>2.50</b>	Lgth of 2nd Cmp = <b>45</b>		
Liquid Level = <b>H</b> = <b>45.00</b>		Total <u>137</u> = <span style="border: 1px solid black; padding: 2px;"><b>137</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>9.00</b>
% of Air Space = <b>K</b> = <b>20%</b>

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

Inside Lgth @ Top = <b>L</b> = <b>139.00</b>
Inside Width @ Top = <b>M</b> = <b>62.00</b>
Inside Length @ Btm = <b>N</b> = <b>134.00</b>
Inside Width @ Btm = <b>O</b> = <b>57.00</b>
Inside Lgth of 1st Cmp = <b>P</b> = <b>92.00</b>
Inside Lgth of 2nd Cmp = <b>Q</b> = <b>45.00</b>
Lgth @ Btm of 1st Cmp = <b>R</b> = <b>88.00</b>
Lgth @ Btm of 2nd Cmp = <b>S</b> = <b>41.00</b>
Width @ Btm of Tank = <b>T</b> = <b>62.00</b>
Length @ Btm of Tank = <b>U</b> = <b>139.00</b>

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

Inside Height = <b>V</b> = <b>54.00</b>
Inlet Height = <b>W</b> = <b>51.00</b>
Outlet Height = <b>X</b> = <b>49.00</b>
Space above Inlet = <b>Y</b> = <b>3.50</b>

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

Total Gal - Single Cmp = <b>1565</b>
Gallons of 1st Cmp = <b>1032</b>
Gallons of 2nd Cmp = <b>491</b>
Gal. of 1st + 2nd Cmp = <b>1523</b>
Total Gallons (Full to Lid) = <b>1899</b>

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

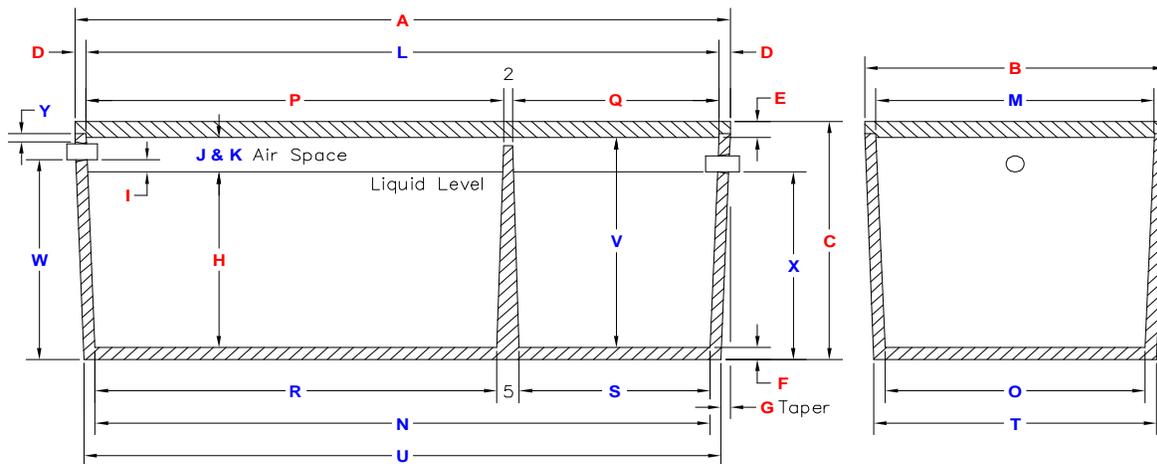
Gal/In (Single) = <b>34.8</b>
Gal/In (1st cmp) = <b>22.9</b>
Gal/In (2nd cmp) = <b>10.9</b>

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

	2 Cmp	Single Cmp
Weight of Tank = <b>8864.9</b>	<b>7968.1</b>	
Weight of Lid = <b>3260.6</b>	<b>3260.6</b>	
Total Weight of Tank = <b>12125.5</b>	<b>11228.7</b>	

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

	2 Cmp	Single Cmp
Tank - Cubic Yards = <b>2.19</b>	<b>1.97</b>	
Lid - Cubic Yards = <b>0.83</b>	<b>0.83</b>	
Total Cubic Yards = <b>3.02</b>	<b>2.79</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:*

**Francis Melvin Companies**  
**1022 E. Spruce Street, Abbotsford, WI 54405**  
**(715) 748-3200 - Fax (715) 748-9258 - E-Mail to: eric.melvin@TDS.net**

**1000 Gal Single Compartment Septic Tank**

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

Tank Length = AA =	97.00
Tank Width = B =	67.00
Tank Height = C =	62.00
Wall Thickness = D =	2.50
Lid Thickness = E =	4.00
Floor Thickness = F =	4.00
Wall Taper (Inlet) = G <sub>1</sub> =	2.50
Liquid Level = H =	45.00
Distance In/Out = I =	2.00

Wall Taper (Outlet) = G <sub>2</sub> =	1.50
Air Space = J =	9.00
% of Air Space = K =	20%

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

Inside Lgth @ Top = P =	92.00
Inside Width @ Top = M =	62.00
Inside Lgth @ Btm = R =	88.00
Inside Width @ Btm = O =	57.00
Width @ Btm of Tank = T =	62.00
Lgth @ Btm of Tank = AU =	92.00

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

Inside Height = V =	54.00
Inlet Height = W =	51.00
Outlet Height = X =	49.00
Space above Inlet = Y =	3.50

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

Total Gal - Single Cmp =	1032
Total Gallons (Full to Lid) =	1252

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

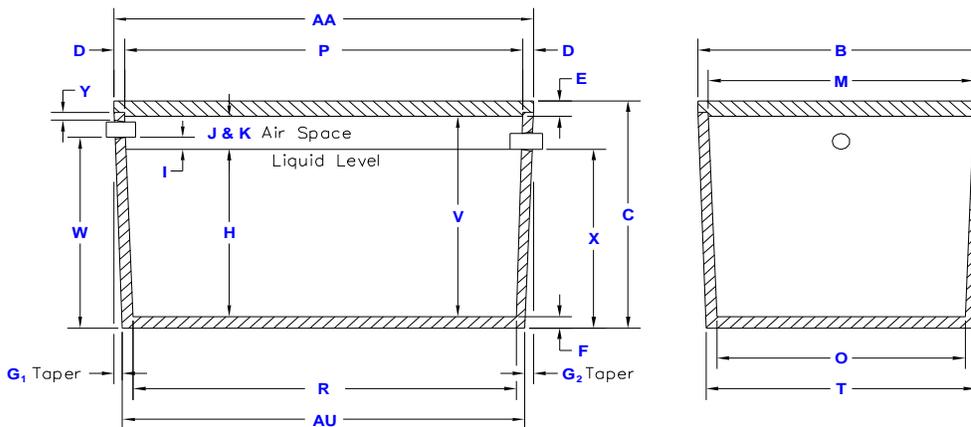
Gal/In (Single) =	22.9
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\*\*\* Tank Weights \*\*\*

Weight of Tank =	5654.2
Weight of Lid =	2187.6
Total Weight of Tank =	7841.8

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

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



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**500 Gal Single Compartment Septic Tank**

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

Overall Tank Length = **B** = 67.00  
 Overall Tank Width = **BB** = 50.00  
 Overall Tank Height = **C** = 62.00  
 Wall Thickness = **D** = 2.50  
 Lid Thickness = **E** = 4.00  
 Floor Thickness = **F** = 4.00  
 Wall Taper = **G<sub>1</sub>** = 2.50  
 Liquid Level Height = **H** = 45.00  
 Distance In/Out = **I** = 2.00

Wall Taper = **G<sub>2</sub>** = 1.50  
 Air Space = **J** = 9.00  
 % of Air Space = **K** = 20%

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

Inside Lgth @ Top = **M** = 62.00  
 Inside Width @ Top = **BN** = 45.00  
 Inside Lgth @ Btm = **O** = 57.00  
 Inside Width @ Btm = **BP** = 41.00  
 Width @ Btm of Tank = **BT** = 46.00  
 Lgth @ Btm of Tank = **BU** = 62.00

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

Inside Height = **V** = 54.00  
 Inlet Height = **W** = 51.00  
 Outlet Height = **X** = 49.00  
 Space above Inlet = **Y** = 3.50

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

Total Gal - Single Cmp = 491  
 Total Gallons (Full to Lid) = 598

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

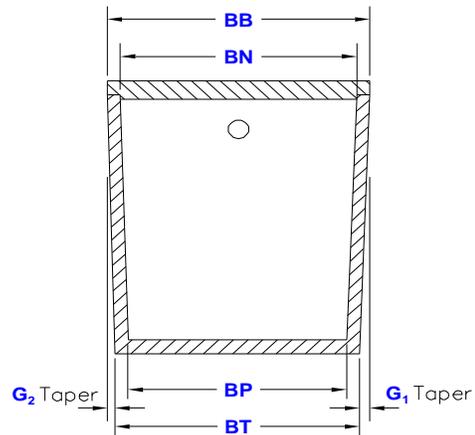
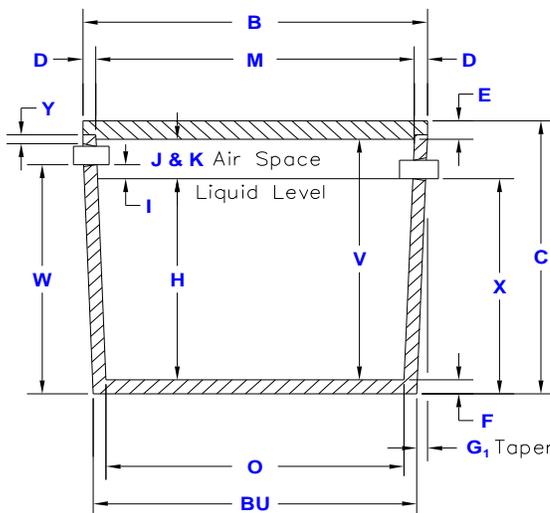
Gallons / Inch = 10.9

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

Weight of Tank = 3641.8  
 Weight of Lid = 1114.6  
 Total Weight of Tank = 4756.4

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

Tank - Cubic Yards = 0.9  
 Lid - Cubic Yards = 0.3  
 Total Cubic Yards = 1.2



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