

## Shell

ASME Section VIII Division 1, 2015 Edition Metric				
<b>Component</b>		Cylinder		
<b>Material</b>		SA-240 316L (II-D Metric p. 70, ln. 16)		
<b>Impact Tested</b>	<b>Normalized</b>	<b>Fine Grain Practice</b>	<b>PWHT</b>	<b>Optimize MDMT/ Find MAWP</b>
No	No	No	No	No
		<b>Design Pressure (bar)</b>	<b>Design Temperature (°C)</b>	<b>Design MDMT (°C)</b>
<b>Internal</b>		4	177	-5
<b>External</b>		1.03	177	
Static Liquid Head				
<b>Condition</b>		<b>P<sub>s</sub> (bar)</b>	<b>H<sub>s</sub> (mm)</b>	<b>SG</b>
<b>Operating</b>		0.31	2,844	1.1131
<b>Test vertical</b>		0.39	3,973.28	1
Dimensions				
<b>Inner Diameter</b>		2,450 mm		
<b>Length</b>		3,440 mm		
<b>Nominal Thickness</b>		12 mm		
<b>Corrosion</b>	<b>Inner</b>	0 mm		
	<b>Outer</b>	0 mm		
Weight and Capacity				
		<b>Weight (kg)</b>	<b>Capacity (liters)</b>	
<b>New</b>		2,562.9	16,217.37	
<b>Corroded</b>		2,562.9	16,217.37	
Insulation				
		<b>Thickness (mm)</b>	<b>Density (kg/m<sup>3</sup>)</b>	<b>Weight (kg)</b>
<b>Insulation</b>		150	24	102.09
		<b>Spacing(mm)</b>	<b>Individual Weight (kg)</b>	<b>Total Weight (kg)</b>
<b>Insulation Supports</b>		0	0	0
Radiography				
<b>Longitudinal seam</b>		Spot UW-11(b) Type 1		
<b>Top Circumferential seam</b>		Spot UW-11(a)(5)(b) Type 1		
<b>Bottom Circumferential seam</b>		Spot UW-11(a)(5)(b) Type 1		