

PRODUCT - HDG + HDPE WATER TANK

1. DEFINITION

The pressed steel sectional rectangular tank is a versatile bulk storage container of water. The sectional construction concept consists of boiling up together mass produced tank panels (either 1.22m or 1.0m square) into tanks of various sizes and capacities. The tanks manufactured and installed by us are renowned for their quality and reliability.

2. INSTALLATION

Various panel designs are used to design tanks of all capacities and dimensions (L-shape, U-shape, Spare-shape).

3. APPLICATION

HDG water tank is suitable for use in fire prevention and fighting.

4. TECHNICAL DATA

- Material
Mild steel panels: SS 400 or JIS 3101 or BS EN 10025-3 : 2004
- Panel sizes
For 1.220m x 1.220m module: 1.220 x 1.220, 610 x 1.220 and 610 x 610
For 1.000m x 1.000m module: 1.000 x 1.000, 500 x 1.000 and 500 x 500



A. Contents of HDG water tank

COMPONENTS	STANDARD ITEMS
Tank Panel	Mild steel
Nut, Bolt, Washer	Galvanized steel
Sealant	UV resistant PVC foam
External Reinforcement	Galvanized steel
Internal Reinforcement	Galvanized steel
External Ladder	Galvanized steel
Internal Ladder	Aluminium or PVC. Stainless steel available optionally
Roof Support	Galvanized steel Pipes
Indicator	Mechanical cat and mouse type
Steel Skid	Anti rust coated structural steel sections

B. Parts and components

PARTS	SPECIFICATION
Panel module: 1.220m x 1.220m; 1.000m x 1.000m	Mild steel
Manhole	Mild steel
Corner Angles	Galvanized steel, stainless steel
Sealant	UV resistant PVC foam.
Tie Rods	SS 304 rods, SS 316 available optionally.
Bolts, Nuts, Washers	Galvanized steel
External Reinforcement	Galvanized steel
Internal Roof Support	Galvanized steel Pipes
External Ladder	Galvanized steel
Internal Ladder	Aluminium or PVC. Stainless steel available optionally.
Air Vent	PVC goose neck or powder coated mushroom type.
Water Level Indicator	Cat and mouse type. Acrylic tube indicator available optionally.
Skid	Mild steel painted, galvanized steel. Both available optionally.

C. Dimension and nominal thickness

Module (mm)	Tank height (mm)	Tank Panel Thickness (mm)		Roof Panel Thickness (mm)	
		Base	Wall		
1.220 x 1.220	1.220	5.0	5.0 (Tier 1)	1.5	
	2.440	5.0	5.0 (Tier 1,2)	1.5	
	3.660	5.0	5.0 (Tier 1,2,3)	1.5	
	4.880	6.0	6.0 (Tier 1) 5.0 (Tier 2,3,4)	1.5	
1.000 x 1.000	1.000	3.0	3.0 (Tier 1)	1.5	
	2.000	3.0	3.0 (Tier 1,2)	1.5	
	3.000	4.0	4.0 (Tier 1,2,3)	1.5	
	4.000	4.0	4.0 (Tier 1,2,3,4)	1.5	
	5.000	5.0	5.0 (Tier 1,2) 4.0 (Tier 3,4,5)	1.5	
	6.000	5.0	5.0	5.0 (Tier 1,2)	1.5
				4.0 (Tier 3,4,5)	
				4.0 (Tier 3,4,5,6)	

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