

TRU HOT PRO

TECHNICAL SPECIFICATION (AS PER LEGAL METROLOGY GUIDELINES)

1	System capacity	100,150,200,250, 300 & 500 Litres per day
2	Make	V-GUARD INDUSTRIES LTD
3	System Water Output Temperature	Up to 40°C rise from ambient temperature
4	Type of Collector	ETC (Evacuated Tube Collector)
5	ETC Specification	3 Layer Tubes (Cu-SS-AlN)
6	Tank Mounting	Horizontal
7	Number of ETC	8 (100 LPD),12 (150 LPD) & 16 (200 LPD)
8	ETC Size	Ø5.8 x 210 cm
9	Application	Bathing / Washing
10	Utility Points	2 (100 LPD),3 (150 LPD),4 (200 LPD), 4 (250 LPD), 5 (300 LPD) & 8 (500 LPD)
11	Number of Persons can use hot water	2-3 (100 LPD), 4-5 (150 LPD), 5-6 (200 LPD), 6-7 (250 LPD), 8-9 (300 LPD) & 12-13 (500 LPD)
12	Back up Heater capacity(optional)	2 kW with Thermostat (100-300 LPD) & 3 kW with Thermostat (500 LPD)
13	Support Structure	Angular Section steel with Black PP Powder coating for long life
14	Working Pressure	Maximum 0.4 kg/cm ²
15	Minimum Area required for installation (NSxEW in meters)	2.4 x 1.1 m (100 LPD), 2.4 x 1.5 m (150 LPD), 2.4 x 1.9 m (200 LPD), 2.4 x 2.3 m (250 LPD), 2.4 x 2.5 m (300 LPD) & 2.5 x 3.0 m (500 LPD)
16	System height from the base	100-300 LPD : 1.5 meter & 500 LPD: 1.6 meter
17	OHT height from roof	Maximum 4 meter
18	Circulation	Thermosyphon type
19	Overnight Temperature Drop	≤ 5°C

20	Weight of the Storage tank	42 kg (100 LPD), 51 kg (150 LPD), 63 kg (200 LPD), 72 kg (250 LPD) & 86 kg (300 LPD) & 128 kg(500 LPD)
21	Inlet and Outlet Piping	100-300 LPD : 1.9 cm (3/4) & 500 LPD: 2.54 cm (1)

Tank Specification		
22	Inner Tank	MS Glass Lined
23	Inner Tank/End dish Thickness	100 & 150 LPD : 1.8 mm (Shell & End dish) 200, 250 & 300 LPD : 2 mm (shell) / 1.8 mm (dish) & 500 LPD: 2 mm (Shell & End dish)
24	Tank Welding	High quality TIG/MIG Welding
	Insulation	≥50mm thick High density PUF insulation with uniform density of Minimum 36 kg/m ³
	Outer Cladding	PPGI
	Outer Cladding Thickness	0.4 mm
	End Caps	100 - 300 LPD : 0.4 mm PPGI, Color: Black & 500 LPD: 0.7 mm Aluminum, Color: Black
	Anode Protection	Magnesium 350 mm Length – 1 No's, for 100-300 LPD Magnesium 200 & 350 mm Length – 1 No's/Each, for 500 LPD - 350 mm Length x 1 No's & 200 mm Length x 1 No's
	System Inclination Angle	30 Degree
	Tank Packing	100-300 LPD - 5 Ply Carton & 500 LPD: 7 Ply Carton
25	Water Hardness handling capacity	Suitable for all kind of waters