

V-HOT PRO

TECHNICAL SPECIFICATION (AS PER LEGAL METROLOGY GUIDELINES)

1	System capacity	100,150,200,250,300 & 500 Liters 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-AIN)
6	Tank Mounting	Horizontal
8	Number of ETC	8 (100 LPD),12 (150 LPD),16 (200 LPD), 20 (250 LPD), 24 (300 LPD) & 38 (500 LPD)
9	ETC Size	Ø5.8 x 210 cm
10	Application	Bathing / Washing
11	Utility Points	2 (100 LPD),3 (150 LPD),4 (200 LPD), 4 (250 LPD), 5 (300 LPD), 8 (500 LPD)
12	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), 14-15 (500 LPD)
13	Back up Heater capacity(optional)	2 kW with Thermostat (100-300 LPD) 3 kW with Thermostat (500 LPD)

15	Support Structure	100-300 LPD : Roll Form Stand with Black Powder coating for long life 500 LPD : Angular Section steel with Black Powder coating for long life
16	Working Pressure	Maximum 0.4 kg/cm ²
17	Minimum Area required for installation (NSxEW in meters)	2.4 x 0.687 m (100 LPD), 2.4 x 0.999 m (150 LPD), 2.4 x 1.31 m (200 LPD), 2.4 x 1.65 m (250 LPD), 2.4 x 1.96 m (300 LPD) & 2.96 x 2.31 m (500 LPD)
18	System height from the base	100-300 LPD : 1.46 meter 500 LPD : 1.57 meter
19	OHT height from roof	Maximum 4 meter
20	Circulation	Thermosyphon type
21	Overnight Temperature Drop	≤ 5°C
22	Weight of the Storage tank	16 kg (100 LPD), 21 kg (150 LPD), 26 kg (200 LPD), 31 kg (250 LPD), 36 kg (300 LPD) & 57 kg (500 LPD)
23	Inlet and Outlet Piping	100-300 LPD : 1.9 cm (3/4) 500 LPD : 2.54 cm (1)
	Tank Specifications	
	Inner Tank	SS 304 L
	Inner Tank/End dish Thickness	100-300 LPD : Minimum 0.5 mm, 500 LPD : 0.7mm (shell) / 1mm (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: Off-white 500 LPD : 0.7 mm Aluminium
	Anode Protection	Aluminum Alloy
	System Inclination Angle	30 Degree
	Tank Packing	100-300 LPD - 5 Ply Carton, 500 LPD - 7 Ply Carton
25	Water Hardness handling capacity	pH: 6.5-8.5, Total Hardness: 300 PPM (max), Alkalinity: 200 (max), TDS: 500 (max), Chloride: 200 (max)