

# TRU HOT DAF

## TECHNICAL SPECIFICATION (AS PER LEGAL METROLOGY GUIDELINES)

1	System capacity	100, 150 & 200 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-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)
11	Number of Persons can use hot water	2-3 (100 LPD), 4-5 (150 LPD) & 5-6 (200 LPD)
12	Back up Heater capacity(optional)	2 kW with Thermostat
13	Support Structure	Angular Section steel with Black Powder coating for long life
14	Working Pressure	Maximum 0.2 kg/cm <sup>2</sup>
15	Minimum Area required for installation (NSxEW in meters)	2.54 x 1.1 m (100 LPD), 2.54 x 1.49 m (150 LPD) & 2.54 x 1.88 m (200 LPD)
16	System height from the base	0.662 meter
17	OHT height from roof	Maximum 2.5 meter
18	Circulation	Thermosyphon type
19	Overnight Temperature Drop	≤ 5°C

20	Weight of the Storage tank	40 kg (100 LPD), 52 kg (150 LPD), 65 kg (200 LPD)
21	Inlet and Outlet Piping	1.9 cm (3/4)

<b>Tank Specification</b>		
22	Inner Tank	MS Glass Lined
23	Inner Tank/End dish Thickness	1.8 mm (shell) & 1.8 mm (End dish)
24	Tank Welding	High quality TIG/MIG Welding
25	Insulation	50 mm thick High density PUF insulation with uniform density of Minimum 36 kg/m <sup>3</sup>
26	Outer Cladding	PPGI
27	Outer Cladding Thickness	0.4 mm
28	End Caps	0.4 mm PPGI, Color: Off White
29	Anode Protection	Magnesium Anode
28	System Inclination Angle	7 Degree
29	Tank Packing	5 Ply Carton