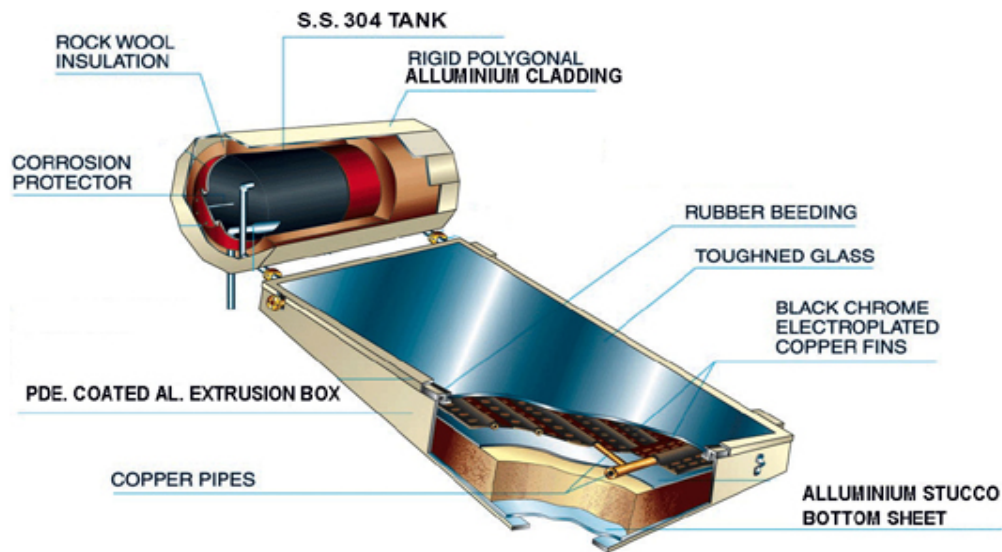


KCP SOLAR WATER HEATER

Certification	ISI marked collectors
Overall Dimensions	2080 x 1070 x 105mm
Weight	50kg
Collector Box	16 swg, 6063 Aluminium extrusion with attractive ribbing design for frame and 22swg aluminium sheet for backing, totally riveted and sealed with GE/Wacker Silicon Sealant.
Collector Box Finish	Attractively powder coated with pure polyester resin in yellow and black.
Absorber Material	Copper fin-n-tube Fin: 36 swg(0.19mm) x 120mm x 1945mm Copper Sheet of 99.9% Tube: 24 swg(0.56mm) x 12.7mm O.D x 1965mm copper of 99.9% purity.
Absorber Coating	Black Chrome Selective Coating of “KCP SOLAR” or HONEY HILLS as per the NALSUN process.
Absorber Area	2 m ² (fin area without headers)
Absorptive of Coating	Above 0.95
Emissivity of Coating	below 0.20
Risers	9 Nos. Copper tubes, 24swg(0.56) x 12.7mm O.D. x 1965mm.
Headers	2 Nos. Copper tubes, 22swg(0.71) x 25mm O.D. x 1160mm.
Connections	60mm dia. Copper flanges
Insulation	Mineral wool slab of 50mm thickness and 48kg/m ³ density for bottom and RB Glass wool of 25mm thickness and 24 kg/m ³ density for sides Covered with 36 swg Aluminium Sheet for protection and support.
Reflective Foil	Aluminium foil of 50 microns
Glazing	4mm Solar Toughened Glass having transitivity of 85% and above.
Rubbers	EPDM Grommets Glass bidding to withstand temperature and outdoor conditions.
Sealing	Completely sealed with silicon sealeant for waterproof performance as per BIS specs.
Pressure Testing	Tested hydraulically upto 5 kg/sq.cm. for 4 hrs for no leakages.
Warranty	1 year trouble free performance (for soft water conditions only)



"KCP SOLAR" INSULATED STORAGE TANK

Capacity	From 125 litres to 12000 litres and more as per system size			
Material of Construction	Stainless Steel 304, TIG welded (Argonwelded) with certified Stainless Steel ER308L filler wire.			
Type	Cylindrical - Horizontal Reinforced Tanks			
Dimension and Thickness of Plate	Capacity	Dia (inch)	Thk (swg)	Thk (mm)
	125-250	18	19	1.0
	375-500	26	18	1.2
	625-875	31	17	1.4
	1000-2000	36	16	1.6
	1500-2000	42	15	1.8
	2250-3000	48	14	2.0
	3250-4750	52	12	2.4
	5000-8000	60	11	2.8
8000-12000	72	10	3.2	
Pressure Testing	Hydro tested for leakage detection.			
Insulation	Superior quality machine stitched Mineral Wool or Resin Bonded Glass wool mattrenes.			
Insulation Thickness	100mm			
Insulation Covering	22 SWG aluminum sheet			
Sealing	Covering completely sealed with silicone sealant for water proofing of insulation.			

Ranges from 100-25000LPD*