

EVT SOLAR COLLECTORS

EVT type solar collectors are highly efficient and can be used in pumped or thermosiphon systems. The EVT tubes supplied are rated as being hail resistant (SABS). The manifold and frame are manufactured in South Africa. EVT solar collectors can be used in frost prone areas.

Thermosiphon EVT systems are easy to install and very cost effective.



Model:	SAP	PZ-E12	PZ-E16	PZ-E20
System Application:	Sys	Thermosiphon	Pumped & Thermosiphon	Pumped & Thermosiphon
Aperture area:	m ²	1.19 (12 x 58mm x 1720mm)	1.588 (16 x 58mm x 1720mm)	1.98 (20 x 58mm x 1720mm)
Total collector size: (outer frame)	m ²	2.44	3.06	3.47
Pipe connections:	mm	22mm copper	22mm copper	22mm copper
Number of Ports:	No.	2	2	2
Freeze Protection:	NO	Yes	Yes	Yes
Dimensions: (D x W x H)	mm	2000 x 1220 x 150	2000 x 1530 x 150	2000 x 1735 x 150
Working pressure:	kpa	400	400	400
Glazing: (tempered / toughened)	mm	4 (Low Iron Toughened)	4 (Low Iron Toughened)	4 (Low Iron Toughened)
Insulation materials:	type	Mineral Wool	Mineral Wool	Mineral Wool
Frame materials:	type	Extruded Aluminium	Extruded Aluminium	Extruded Aluminium
Absorber coating:	type	Specially formulated triple laired Coating	Specially formulated triple laired Coating	Specially formulated triple laired Coating
Number of tubes:	Qty	12	16	20
Glass thickness:	Qty	2.3mm (+/- 0.1mm)	2.3mm (+/- 0.1mm)	2.3mm (+/- 0.1mm)
Installation footprint: (D x W)	mm	2000 x 1735	2000 x 1530	2000 x 1735
Internal volume:	L	0.97	1.242	1.55
Dry weight:	Kg	35	45.7	53.3
Filled weight:	Kg	36	47	43.9
Packaged dimensions: (D x W x H)	mm	320x280x1930 + 1250x140x140 + 2000x50x50	320x280x1930 + 1500x140x140 + 2000x50x50	2x 320x280x1930 + 1750x140x140 + 2000x50x50
Recommended standard capacity:	L	100 (Geyser)	150 (Geyser)	200 (Geyser)
SABS Q-factor:	MJ	Pending	Pending	Pending
Total & Use full Energy:	KW	3.48 Kw m ² /Day	5.23 Kw m ² /Day	6.97 Kw m ² /Day

