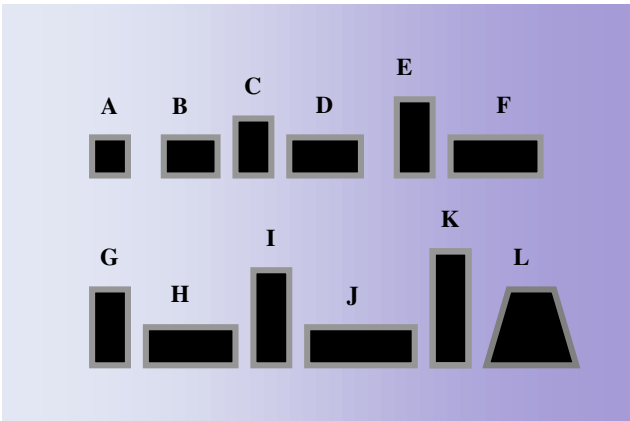


COLLECTOR TYPE: AES Serpentine and Headers & Risers operation

MODELS:	MEASUREMENTS AND WEIGHTS:	MODEL	HEIGHT mm	WIDTH mm	AREA m ²	WEIGHT kgs
		A	1175	1032	1.2	11
		B	1175	1500	1.7	14
		C	1508	1175	1.7	14
		D	1175	1945	2.2	18
		E	1945	1175	2.2	18
		F	1175	2130	2.5	20
		G	2133	1175	2.5	20
		H	1175	2880	3.3	23
		I	2880	1175	3.3	23
		J	1175	3770	4.4	32
		K	3770	1175	4.4	32
		L	Triangular collector - sizes and weights vary			

ALL COLLECTORS 100mm DEEP

- ABSORBER PLATE:** Aluminium fins metallurgically bonded to rhombic shaped copper water ways providing large water to wall contact for maximum heat transfer
Sputter coated selective surface: Absorption coefficient = 0.96, emission coefficient = 0.07
- GLAZING:** One outer layer of Tedlar film manufactured by DuPont, minimises heat loss and ensures minimal weight. Overall light transmittance = 95%.
- BACKING:** Melinex film ensuring the collectors are completely waterproof
- COLLECTOR BOX:** Heavy aluminium box section with all round fixing channels for easy fitting. A sensor pocket is fitted at the appropriate location
- INSULATION:** All insulation materials are 100% CFC-free
- FLOW AND RETURN:** 15mm copper for serpentine operation, 22mm for Headers & Risers
- FLUID CONTENT:** 0.6 litre per 1 square metre of collector area
- RECOMMENDED FLOW RATE:** 1 litre per square metre of collector area per minute
- TRANSFER FLUID:** 100% Tyfocor antifreeze mixture (recommended)
- TEST PRESSURE:** 15 Bar
- MAXIMUM WORKING PRESSURE:** 10 Bar
- PRESSURE DROP:** 10 kPa at flow rate of 0.03 litres per second, per 1 square metre of collector area
- FIXING METHODS:** (1) Retrofit on top of roof cover (2) Flat roof mounted with A-frames and/or ballast or roof fixing – (See separate fact sheet or installation manual for fixing details)
- INSTANTANEOUS EFFICIENCY (max.):** 85%
- TESTED BY:** University College Cardiff, TNO The Netherlands, National University of Singapore, EN12975 by ITW
- LIFE EXPECTANCY:** In excess of 25 years
- APPLICATIONS:** Small to large domestic hot water systems, industrial process and swimming pool heating
- GUARANTEE:** 5 years

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