

Technical Specification

		auroTHERM exclusive 275 evacuated tube collector	auroTHERM exclusive 550 evacuated tube collector	auroTHERM VFK 900 flat plate collector
Number of tubes		8	16	-
Gross collector area	m2	0.68	1.29	2.24
Net collector area	m2	0.41	0.804	2.02
Height	mm	1682	1682	1930
Width	mm	440	790	1160
Depth	mm	100	100	110
Weight	kgs	10.3	19	43
Collector capacity	litres	1.6	3.6	1.27
Collector absorption	%	95 + 1		95
Collector emission	%	5 + 2		5
Solar efficiency (EN 12975)				
	η_0 %	77.3		81.8
	k1 W/m.K	1.09		3.47
	k2 W/m ² K	0.0094		0.01
Insulation		Vacuum 10 ⁻⁶ bar		Rockwool 60mm
Absorber		Glass		Copper
Operating pressure (max.)	Bar	6		10
Stagnation temperature	°C	298		227

Vaillant auroSTOR		auroSTOR 200	auroSTOR 250	auroSTOR 300
Volume	litres	200	250	300
Maximum water supply pressure	bar	10	10	10
Operating pressure	bar	3.5	3.5	3.5
Pressure reducing valve	bar	3.5	3.5	3.5
Expansion relief valve	bar	6.0	6.0	6.0
Expansion vessel charge pressure	bar	4.0	4.0	4.0
Temperature & Pressure valve	°C / bar	95°C / 7 bar	95°C / 7 bar	95°C / 7 bar
Maximum primary circuit pressure	bar	2.5	2.5	2.5
Weight (empty)	kgs	39	44	49
Weight (full)	kgs	245	310	340
Height	mm	1500	1790	2110
Width (excluding connections and PRV)	mm	554	554	554
Heat Loss	kW / 24 hrs	1.9	2.1	2.4
Cylinder connections		22mm compression	22mm compression	22mm compression
Secondary return connection		G 3/4"	G 3/4"	G 3/4"
Electrical connections		230/240 V, 50 Hz	230/240 V, 50 Hz	230/240 V, 50 Hz
Immersion heater length	mm	430	430	430

Vaillant auroMATIC 560		auroMATIC 560
Dimensions (W x H x D)	mm	272 x 175 x 55
Operating voltage	V	230
Power consumption	W	Max 10
Minimum sensor wire diameter	mm2	0.75
Minimum power cable wire diameter	mm2	1.5
Level of protection		IP 20

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