


# Technical specification

auroTHERM collectors		auroTHERM exclusive	auroTHERM plus		auroTHERM	
		VTK 570/2	VFK 150 H	VFK 150 V	VFK 145 H	VFK 145 V
Area gross	m <sup>2</sup>	1.16	2.5			
Area net - aperture (H1)	m <sup>2</sup>	1.0	2.3			
Absorber content	l	0.9	2,16	1,85	2,16	1,85
Connection, flat sealing DN 16	DN	16 (G3/4")	16 (G3/4")			
Insulation vacuum / rock wool	mm	Tubes vacuum / 50 header	40			
Operation pressure max.	Bar	10	10			
Solar anti-reflex /security glass transmission t	%	95	96		91	
Absorber absorption a	%	94	95			
Absorber-emission e	%	5	5			
Absorber material		Stainless steel / glass	Copper / aluminium			
Stagnation temperature EN 12975-2, c < 1 m/s	°C	290	220		210	
coefficient $\alpha_0$ EN 12975 (H2)	%	64.2	84		80	
Efficiency coefficient k1 (H3)	W/m <sup>2</sup> K	0.885	3.7			
Efficiency coefficient k2	W/m <sup>2</sup> /K <sup>2</sup>	0.001	0.012			
<b>Collector dimensions</b>						
Height	mm	1650	1233	2033	1233	2033
Width	mm	700	2033	1233	2033	1233
Depth	mm	110	80			
Weight	kg	19	38			
Solar Keymark certificate number		011 7S768R	011 - 7S479F		011 - 7S406F	

auroSTOR unvented solar hot water cylinder		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	mm	554	554	554
Heat Loss	kW / 24hrs	1.9	2.1	2.4
Cylinder connections		22mm compression	22mm compression	22mm compression
Electrical connections		230/240 V, 50 Hz	230/240 V, 50 Hz	230/240 V, 50 Hz
Back-up immersion heater output	kW	3	3	3

auroMATIC solar control		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