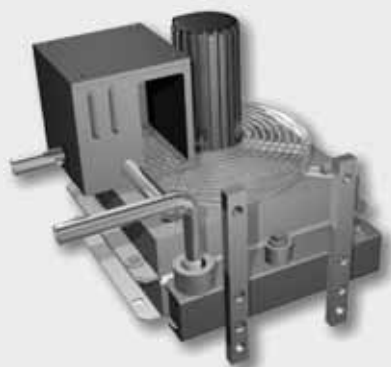


CHARGING AND DISCHARGING STATIONS **TiSUN®**

ANTI-STAGNATION UNIT WITH 3-WAY MOTOR SWITCH VALVE



Product description

Prevents stagnation of collector arrays up to 100 m² and thus rapid material fatigue. Applications include zones with above-average solar radiation or systems with maximised solar coverage factor. A 3-way switching valve determines whether the solar circuit is cooled or runs in normal mode. The unit is completely fitted with pipes and needs only 2 compression fittings for connection to the solar circuit. Because the entire unit is designed to be weather- and corrosion-resistant outdoor installation is possible.

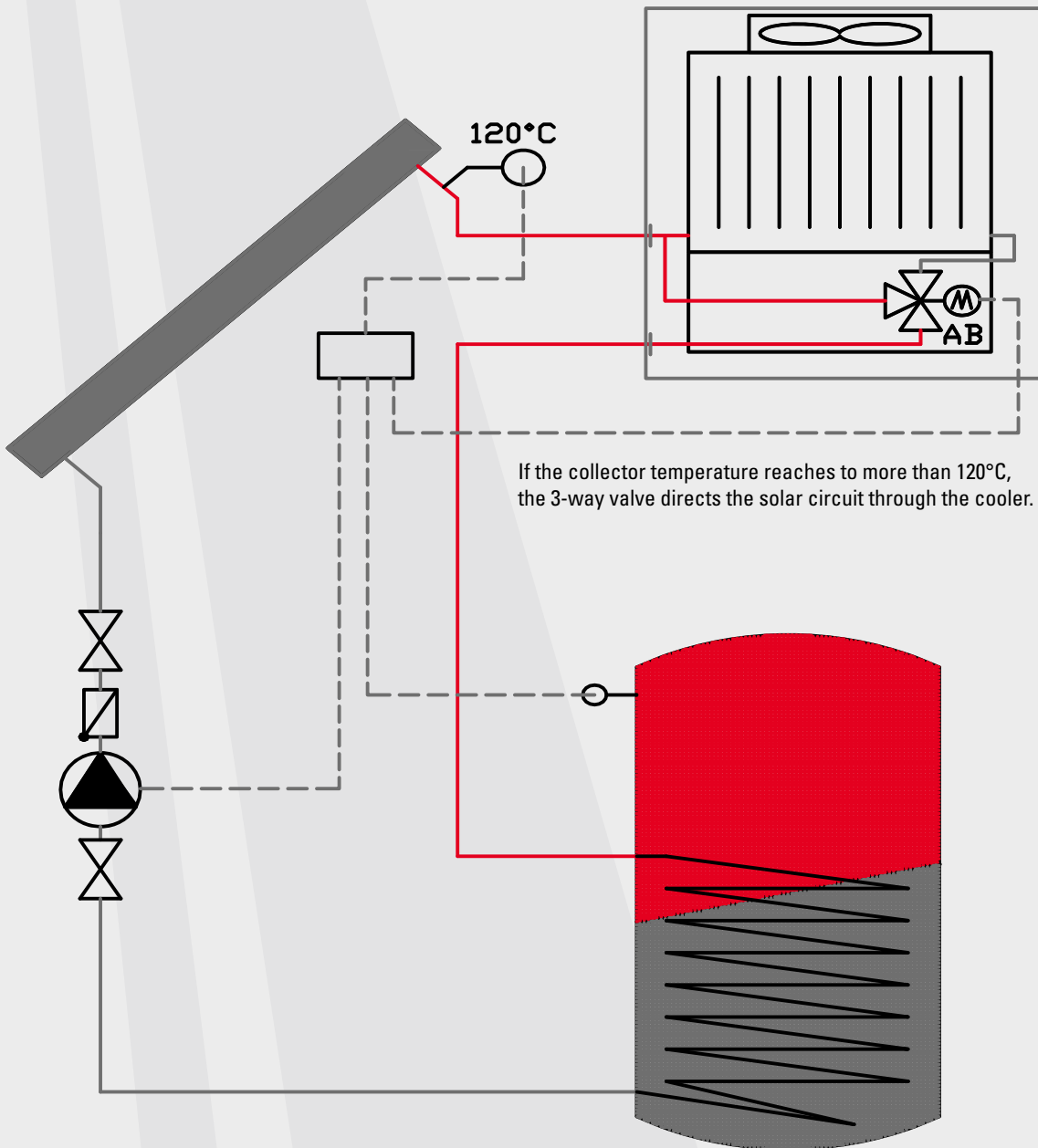
Specifications

Type	ASE 100	
Item no.	1510418	
Connections	2 x compression fittings DN 28	
Max. collector surface area	100 m ²	
Installation option	Floor mounted	
Cooler	Type	AKG T6
	Dimensions L x W x H	607 x 450 x 790
	Output	75.3 kW
	Pressure drop	21 mbar
	Material	Aluminium
	Gross weight	49 kg
	Max. operating pressure	26 bar
Ventilator	Type	3-phase
	Diameter	500 mm
	Speed	1,500 1/min
	Noise level	79 dB (A) at 1 metre
	Motor voltage	230/400 V
	Output	550 W
3-way switching valve	Type	EMV 110 F3L
	Connected voltage	230 V, 50 Hz
	Power consumption during operation	7.5 VA
	Time per rotation	18 s / 90°
	Max. pressure	6 bar
	Max. temperature	110 °C
	Cover material	Steel plate
Fixing material	Screws	Select according to surface
	Anchors	Select according to surface
Piping	Material	Stainless steel
	Dimension	DN 28
	Fittings	4 x 90°
Compression fitting	Material	Brass
	Dimension	28 mm

Note: The 3-way switching valve and the fan motor should be controlled by the TiSUN power relay LR 20 3S. The cooling circuit must be switched on if the collector temperature reaches 120 °C!

CHARGING AND DISCHARGING STATIONS

FUNCTIONAL SCHEMATIC



CASCADING SCHEMATICS, E.G. FOR 200 M²

