



### Application range

- Drain-back system for small and medium solar thermal installations

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- Vapour and over-pressure formation as well as stagnation is avoided, as there is no solar fluid in the collector field

### Operating data

Max. pressure	10 bars
Maximum operating temperature	95 °C, short-term 130 °C
Head of the pump	14.5 m
Container volume	20 litres (usable 15 litres)

### Technical data

Equipment		Dimensions		Materials	
PWM pump	2-60 W, PWM control	Height Container	603 mm	Valves and fittings	Brass
Flow meters	0,5-10 l/min	Ø Container	280 mm	Gaskets	Klingersil / EPDM
Solar pressure relief valve:	6 bar	Total width	at least 721 mm	Insulation	EPP
Pressure gauge	0-6 bars, temperature-resistant	Width DrainBloC	334 mm		
Controllers	SC2.3	Height DrainBloC	577 mm		
		Centre distance	variabel, at least 400 mm		
		Total depth	365 mm		

### DrainBloC - DN 20 (3/4")

Item no.

€ / piece



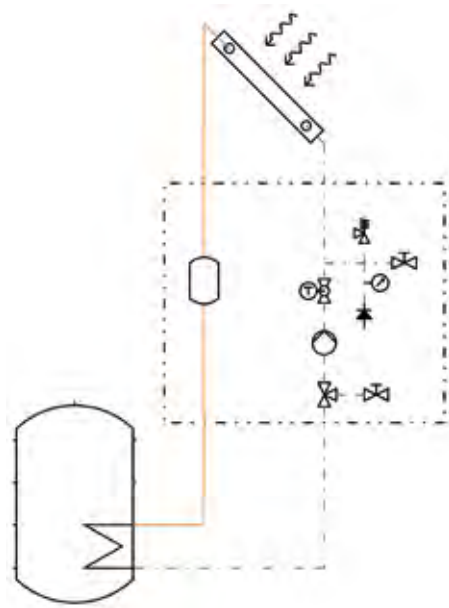
Grundfos UPM3 Solar 15-145

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# DrainBloC Drainback-system Mounting example, hydraulic scheme, differential pressure diagram



Mounting example with collector field and buffer tank

Hydraulic scheme

### Overview controller functions SC2.3

<b>Display</b>	Segment display with intuitive imagery and symbols
<b>Operation</b>	2 push buttons + wheel for scrolling
<b>Relay outputs</b>	2 x 230 V, semiconductor relay 1 x PWM signal for speed control
<b>Sensor inputs</b>	5 x Pt1000
<b>Flow rate sensor</b>	yes
<b>Heat quantity balancing</b>	yes
<b>Emergency shut down</b>	yes
<b>Target temperature</b>	yes
<b>Antifreeze</b>	yes

### Data for the calculation of the installation volume Usable volume of the DrainBloC® container: 15 l

	∅	Contents [l/min]
Copper pipe	12 mm	0.08
	15 mm	0.13
	18 mm	0.2
	22 mm	0.38
Stainless-steel corrugated hose	DN 15	0.2
	DN 20	0.35
Collector	according to the indications of the collector manufacturer	

Differential pressure diagram

