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## SBS 2000 filling and flushing station

For solar thermal professionals, filling and flushing solar thermal systems is a day-to-day business.

The SBS 2000 is the ideal companion for that – lots of thoughtful details help to make this quicker, easier and cleaner.



Visit [www.resol.de/videos](http://www.resol.de/videos) for a product video

- Easy handling and cleaning
- Pictorial instructions on the station
- Powerful pump
- Dirt filter at the pump inlet
- Additional handles for easy transport
- Filling level control

### TECHNICAL DATA

- Dimensions:** 1000 × 400 × 530 mm
- Weight:** 21 kg
- Tank:** 30 litres, PE, with dirt filter and fill level control
- Delivery flow:** 5 ... 47 l/min
- Delivery height:** 42 m
- Pressure:** 4.2 bar
- Drain valve:** ½"
- Medium:** water, glycol mixtures
- Medium temperature:** max. 65 °C

### ACCESSORIES



Set of 2 ball valves with butterfly handles for pressure and flushing hose



Extension cable, 5 m (black)  
With safety connection, suitable for 280 010 90 only

Version	DE	AUS	UK 230 V~	UK 115 V~	US
Pump	230 V~/50 Hz	230 V~/50 Hz	230 V~/50 Hz	115 V~/60 Hz	115 V~/60 Hz
Pump power	550 W	550 W	550 W	1000 W	1000 W
Connection	CEE 7/4 socket	AUS plug	UK plug	UK plug	US plug
Pump pressure	4.2 bar	4.2 bar	4.2 bar	4.2 (3*) bar	4.2 bar

\* when operating at 50 Hz

Article no.	Article	Price bracket
280 010 90	SBS 2000 filling and flushing station	B
280 012 93	SBS 2000 filling and flushing station – 230 V~ AUS Plug	B
280 010 93	SBS 2000 filling and flushing station – 230 V~ UK Plug	B
280 011 93	SBS 2000 filling and flushing station – 115 V~ UK Plug	B
280 010 97	SBS 2000 filling and flushing station – 115 V~ US Plug	B
280 050 60	Set of 2 ball valves with butterfly handles for pressure and flushing hose (2 pieces)	C
280 050 70	Extension cable 5 m (black) (suitable for 280 010 90 only)	C
280 044 20	SBS 2000 wheel kit (2 x wheel, 1 x axle)	C
280 050 30	Spare part / Tank lid	C
280 050 40	Spare part / Drain valve for the tank	C
280 050 50	Spare part / Dirt filter	C



## Heat transfer fluids

Propylene-glycol-water mixtures are commonly used as the heat transfer fluid. An antifreeze concentration of about 40 % of glycol in the mixture prevents the system from damage.

Even at temperatures of -21 °C, the system remains in an operable state. Temperatures below this protection point will cause the formation of ice pulp, which however is not able to destroy tubes and piping.

However, today's high-end flat collectors and direct-flow vacuum tube collectors may cause the premature degrading of conventional heat transfer fluid at high stagnation temperatures. In order to prevent this process, the operating pressure of the system can be limited to 4 bar or a high-temperature-resistant heat transfer fluid can be used.

Data sheets can be downloaded from our website.

### Important notice about the use of heat transfer fluids:

- Only use heat transfer fluid which is suitable for the system it is used in
- All parts of the system that come into contact with fluids must be glycol-resistant
- Concentrations of more than 50 % of glycol are to be avoided in order to achieve optimum efficiency
- At a pH value of 7.5 or less, the heat transfer fluid should be replaced
- Do not dilute readymix fluids!

## PHYSICAL AND CHEMICAL CHARACTERISTICS

Density at 20 °C (100 Vol-% concentration): approx. 1.055 g/cm<sup>3</sup>

	Tyfocor <sup>®</sup> L	Tyfocor <sup>®</sup> LS
	Canister of 11 kg <b>concentrate</b>	Canister of 10 l <b>readymix</b>
Form	liquid	liquid
Colour	colourless	red fluorescent
Odour	nearly odourless	product-specific
Antifreeze temp.	< -50 °C (at 40 Vol-%: -23.7 °C)	-28 °C
Boiling point	> 150 °C	> 100 °C
Flashing point	> 100 °C	none
Density at 20 °C	1.054 ... 1.058 g/cm <sup>3</sup>	1.032 ... 1.035 g/cm <sup>3</sup>

Tyfocor<sup>®</sup> L mixing ratio example:  
1 tank Tyfocor<sup>®</sup> L + 15,6 l of water =  
26 l of readymix with 40 Vol % (-23.7 °C)

Article no.	Article	Price bracket
290 000 10	Tyfocor <sup>®</sup> L – Heat transfer fluid	B
290 000 20	Tyfocor <sup>®</sup> LS – Heat transfer fluid	B