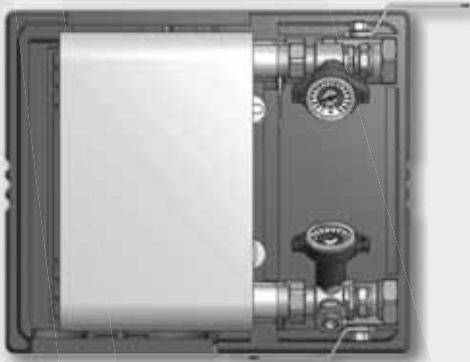


CHARGING AND DISCHARGING STATIONS

SWIMMING POOL CHARGING STATION



Product description

The swimming pool charging unit serves thermal charging of a swimming pool for collector surface areas of 20 m²–100 m². The heart of the completely ready-to-install unit is the high-quality stainless steel plate heat exchanger. The connecting pipes are manufactured from stainless steel to prevent overheating the plastic pipes on the swimming pool side. The control unit can activate an heat protection system with the aid of primary-side temperature sensors and thus prevent damage to on site plastic pipes. Heat losses are minimised thanks to complete insulation. To facilitate replacement of the heat exchanger without the necessity for complete draining, additional locking elements are preinstalled in all 4 pipes.

Specifications

Type	SBL 20	SBL 50	SBL 100
Item no.	1510419	1510420	1510421
Max. collector surface area	20	50	100
Installation option	Wall mounted	Wall mounted	Wall mounted
Plate heat exchanger type	PWT-SB 20	PWT-SB 50	PWT-SB 100
Material	Stainless steel (AISI 316)	Stainless steel (AISI 316)	Stainless steel (AISI 316)
Output	12 kW	30 kW	60 kW
Primary pressure drop	1.37 kPa	1.64 kPa	2.08 kPa
Secondary pressure drop	5.82 kPa	7.61 kPa	8.95 kPa
Height without insulation	310 mm	310 mm	310 mm
Height with insulation	360 mm	360 mm	360 mm
Width without insulation	111 mm	111 mm	111 mm
Width with insulation	185 mm	185 mm	185 mm
Depth without insulation	97 mm	150 mm	246 mm
Depth with insulation	112 mm	160 mm	257 mm
Weight (net/operating)	4.36/5.22 kg	7.11/9.07 kg	12.1/16.1 kg
Connections (solar-secondary)	1"-1¼"	1"-1¼"	1"-1¼"

See plate heat exchanger section for further data on pressure drop curves.

Primary connections (solar)			
Material	Brass	Brass	Brass
Compression fitting	22 mm	22 mm	28 mm
Flow thermometer (red)	0-160 °C	0-160 °C	0-160 °C
Return thermometer (blue)	0-160 °C	0-160 °C	0-160 °C
Thimble diameter in ball handle flow+return	6 mm	6 mm	6 mm
Secondary connections (swimming pool)			
Material	Stainless steel (AISI 316)	Stainless steel (AISI 316)	Stainless steel (AISI 316)
Isolation valve connections	1" female	1" female	1" female
Fixing material			
Stirrup	For wall mounting; steel galvanised, screws and anchors included		

Dimensions

