

SCW WATER/WATER EXCHANGERS



FLUID COOLERS
FOR MACHINE MANUFACTURERS

ISO 9001:2015
certified Quality Management System

MADE IN ITALY



Thanks to a wide range of models and accessories, the SCW range is able to offer strongly personalized solutions aimed at Euro Cold chillers' specific industrial application needs.

The skills and the experience gained by Euro Cold during its over 30 years of experience in the field are at your disposal. Our power is our ability to respond to the needs of mechanical and industrial systems' manufacturers which are rapidly and constantly changing.

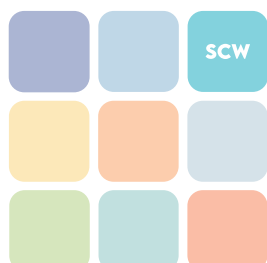
Do not hesitate to contact us in order that we may provide you with the most adequate solution to your specific temperature control needs.

MAIN FEATURES

- Stainless steel circulation pump.
- Tank equipped with top-up system and sight level.
- Electronic microprocessor thermoregulator for fluid temperature control and display.
- Chiller malfunction signal display (optional features in single-phase models).
- High efficiency heat exchangers complete with on/off water solenoid valve and protection filter.
- Bypass on the hydraulic circuit.
- Protective metal frame made of S235 steel painted with epoxy powder and with a semi-gloss textured effect.

ACCESSORIES

- High-pressure stainless steel circulation pumps.
- Motorised or proportional mains water control valve for hysteresis up to $\pm 0.5^\circ\text{K}$.
- Differential electronic thermoregulator equipped with a tenth of a degree resolution ambient sensor.
- Washable water filter installed externally the exchanger outlet.
- Water flow switches, with malfunction signal setup.
- Pressure gauges on the hydraulic circuit where not fitted as standard.
- Automatic bypass valve of the hydraulic circuit.
- Caster wheels.
- Remote malfunction signal of the chiller.
- Electric connectors upon client's request.
- PID control for an improved fluid temperature control, with electronic thermoregulator equipped with Autotuning settings.
- Special power supply voltages.
- Frame available upon request in every type of RAL finish and in polished stainless steel.
- Hydraulic section made up of check valve on fluid outflow, non-return electric valve and water filter to protect the electric valve.
- Minimum electric water level, with remote alarm.
- Automatic water filling system in the tank.
- Non-polluting hydraulic circulation with special fittings, resistant to every type of liquid.
- Hydraulic fittings for food use.



TECHNICAL DATA

		SCW-LP		
MODEL		25	45	60
Nominal cooling capacity (*) W		3460	5300	8150
Power supply		400V / 3ph / 50Hz		
Exchanger		AISI 316 brazed plate, complete with solenoid valve and protection filter		
Mains water (minimum flow rate) l/min		10	18	22
Electronic thermoregulator		Setting range from +5 to +35°C		
Pump (**)	Flow rate l/min	12 - 42		13 - 72
	Head bar	2.8 - 1	2.7 - 1.2	
	Max. absorbed power W	490	600	647
Thermoplastic tank (nom. capacity) l		14	23	65
Noise level (at 1 m distance) db (A)		64		70
Frame colour		RAL 7035		
Frame type (***)		SCW ECPI-B	SCW ECP2-B	SCW ECP3-B
WEIGHTS & DIMENSIONS				
Empty weight (approx.) kg		58	70	98
Packaging weight (approx.) kg		63	75	108
Dimensions (W x D x H) mm		450 x 470 x 990	570 x 520 x 1080	670 x 660 x 1180
Packaging dimensions (W x D x H) (****) mm		755 x 630 x 1200		1020 x 800 x 1580

NOTES

(*) Reference values: outlet water at +22°C, mains water +17°C.

Maximum temperature of inlet fluid: +45°C.

(**) Flow rate referred to pure water.

(***) Technical drawings available in the DOWNLOAD area of our website.

(****) Standard packaging: cardboard box placed on pallet.

Cooling capacity data is based on temperatures of the main (mains) and secondary (consumer) fluids with an average temperature difference between the fluids of 5°K.

Maximum and minimum ambient temperature: from +5 to +55°C.

For ambient temperature above +35°C and for the use of antifreeze please contact our Technical Department.

The mains water pressure delta between inlet and outlet must be at least 2 bar.

The maximum absolute pressure must not exceed 10 bar.

Minimum and maximum ambient relative humidity (without condensation): from 10 to 85%.

Minimum and maximum stocking temperature: from +5 to +55°C.

Hydraulic connections: see technical drawings available in the DOWNLOAD area of our website.

All measures on technical drawings are in millimetres unless otherwise specified.

EURO COLD reserves the right to carry out modifications without prior notice.

TECHNICAL DATA

		SCW-MP				
MODEL		95	160	200	300	350
Nominal cooling capacity (*) W		12440	20250	24880	32550	37920
Power supply		400V / 3ph / 50Hz				
Exchanger		AISI 316 brazed plate, complete with solenoid valve and protection filter				
Mains water (minimum flow rate) l/min		32	63	77	110	115
Electronic thermoregulator		Setting range from +5 to +35°C				
Pump (**)	Flow rate l/min	22 - 104		50 - 250		
	Head bar	2.7 - 1.6	3.7 - 2	3.2 - 1.3		
	Max. absorbed power W	890	1380	1850		
Thermoplastic tank (nom. capacity) l		65			160	
Noise level (at 1 m distance) db (A)		70				
Frame colour		RAL 7035				
Frame type (***)		SCW D2	SCW D2		SCW D3	
WEIGHTS & DIMENSIONS						
Empty weight (approx.) kg		185			320	
Packaging weight (approx.) kg		195			330	
Dimensions (W x D x H) mm		750 x 790 x 1230			750 x 1410 x 1230	
Packaging dimensions (W x D x H) (****) mm		1020 x 800 x 1580			850 x 1595 x 1580	

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