

WCW WATER CONDENSED WATER CHILLERS



**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 WCW 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.

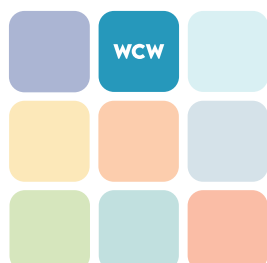
Do not hesitate to contact us in order that we may provide you with the most adequate solution to your specific temperature control needs.

MAIN FEATURES

- Stainless steel circulation pump.
- Tank equipped with top-up system and sight level.
- High performance rotary vane or scroll compressors with low energy consumption.
- Electronic microprocessor thermoregulator for fluid temperature control and display.
- Chiller malfunction signal display (optional features in single-phase models).
- High efficiency heat exchangers.
- Bypass on the hydraulic circuit.
- Protective metal frame made of S235 steel painted with epoxy powder and with a semi-gloss textured effect.
- Eco-friendly refrigerant gas (HFC).
- Remote malfunction signal of the chiller.

ACCESSORIES

- Stainless steel circulation pumps (when not included) and high head.
- Differential electronic thermoregulator equipped with a tenth of a degree resolution ambient sensor.
- Water flow switches with volt-free contact; gives tension in the event of a fault.
- Pressure gauges on the hydraulic circuit and/or the chiller circuit.
- Automatic bypass valve of the hydraulic circuit.
- Caster wheels.
- 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.
- Configuration for an ambient temperature down to -15°C.
- 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.
- Washable water filter installed externally on the chiller outlet.
- 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

		WCW-LP		
MODEL		25	45	60
Nominal cooling capacity (*) W		3460	5300	8150
Nominal cooling capacity (**) W		3030	4300	6320
Power supply		230 / 1ph / 50Hz	400 / 3ph / 50Hz	
Compressor (Max. absorbed power) W		1360	1740	3040
Condenser		AISI 316 brazed plate, complete with pressure valve and protection filter		
Mains water (minimum flow rate) l/min		14	22	30
Evaporator		Submerged type (copper/aluminium)		
Electronic thermoregulator		Setting range from +15 e +30°C		
Pump (***)	Flow rate l/min	12 - 42		13 - 72
	Head bar	2.8 - 1.2	2.7 - 1.2	
	Max. absorbed power W	490	600	647
Thermoplastic tank (nom. capacity) l		14	23	65
Refrigerant gas HFC		R407C - R410A		
Noise level (at 1 m distance) db (A)		64#		70#
Frame colour		RAL 7035		
Frame type (****)		WCW ECP1-B	WCW ECP2-B	WCW ECP3-B
WEIGHTS & DIMENSIONS				
Empty weight (approx.) kg		80	105	150
Packaging weight (approx.) kg		90	115	170
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 +32°C.

Maximum temperature of inlet fluid: +35°C.

(**) Reference values: output water at +10°C, mains water +32°C.

(***) Flow rate referred to pure water.

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

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

Sound pressure according to UNI 7712 at 1m.

Cooling capacity data is based on graphs supplied by the compressor manufacturers.

Maximum and minimum ambient temperature: from +10 to +45°C.

For mains water 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

		WCW-MP				
MODEL		95	160	200	300	350
Nominal cooling capacity (*) W		12440	20250	24880	32550	37920
Nominal cooling capacity (**) W		9310	15230	17510	22940	29130
Power supply		400 / 3ph / 50Hz				
Compressor (Max. absorbed power) W		5302	6886	8140	10681	15961
Condenser		AISI 316 brazed plate, complete with pressure valve and protection filter				
Mains water (minimum flow rate) l/min		50	64	78	109	156
Evaporator		Submerged type (copper /aluminium)		Brazed plates	Submerged type (copper /aluminium)	
Electronic thermoregulator		Setting range from +15 to +30°C				
Pump (***)	Flow rate l/min	22 - 104		50 - 250		
	Head bar	2.7 - 1.6	3.7 - 2	3 - 1.3		
	Max. absorbed power W	890	1380	1850		
Thermoplastic tank (nom. capacity) l		65			160	
Refrigerant gas HFC		R407C				
Noise level (at 1 m distance) db (A)		70#				
Frame colour		RAL 7035				
Frame type (****)		WCW D2	WCW D2		WCW D3	
WEIGHTS & DIMENSIONS						
Empty weight (approx.) kg		190	200		320	340
Packaging weight (approx.) kg		200	220		340	360
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	

NOTES

(*) Reference values: outlet water at +22°C, mains water +32°C.

Maximum temperature of inlet fluid: +35°C.

(**) Reference values: output water at +10°C, mains water +32°C.

(***) Flow rate referred to pure water.

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

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

Sound pressure according to UNI 7712 at 1m.

Cooling capacity data is based on graphs supplied by the compressor manufacturers.

Maximum and minimum ambient temperature: from +10 to +45°C.

For mains water 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

		WCW-MP		
MODEL		450	580	620
Nominal cooling capacity (*) W		50470	67270	81680
Nominal cooling capacity (**) W		36000	49140	60760
Power supply		400 / 3ph / 50Hz		
Compressor (Max. absorbed power) W		17440	24000	28900
Condenser		AISI 316 brazed plate, complete with pressure valve and protection filter		
Mains water (minimum flow rate) l/min		90	123	150
Evaporator		Brazed plates		
Electronic thermoregulator		Setting range from +15 to +30°C		
Pump (***)	Flow rate l/min	83 - 216	83 - 416	
	Head bar	3.2 - 1.5	3.4 - 0.9	
	Max. absorbed power W	1500	2350	
Thermoplastic tank (nom. capacity) l		250		
Refrigerant gas HFC		R410A		
Noise level (at 1 m distance) db (A)		64¥		70¥
Frame colour		RAL 9002		
Frame type (****)		D4-0V		
WEIGHTS & DIMENSIONS				
Empty weight (approx.) kg		480	480	630
Packaging weight (approx.) kg		530	630	680
Dimensions (W x D x H) mm		950 x 2000 x 1325		
Packaging dimensions (W x D x H) (****) mm		1100 x 2600 x 1450		

NOTES

(*) Reference values: outlet water at +22°C, mains water +32°C.

Maximum temperature of inlet fluid: +35°C.

(**) Reference values: output water at +10°C, mains water +32°C.

(***) Flow rate referred to pure water.

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

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

¥ Sound pressure measured at 10 m in free field and directionality factor 2.

Cooling capacity data is based on graphs supplied by the compressor manufacturers.

Maximum and minimum ambient temperature: from +10 to +45°C.

For mains water 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.



EURO COLD srl (Headquarters)
Via Aldo Moro, 11/E - 41030 Bomporto (MO) Italy
Tel. +39.059.817.8138
info@eurocold.it - eurocold@hersypec.it
www.eurocold.it

EURO COLD C.S. GmbH
Im Speiterling 12 - Kelttern 75210, Germany
Tel. +49.7236.981.048 - Fax +49.7236.981.113
vertrieb@eurocold.de
www.eurocold.de

