LTW

FLUID COOLERS
FOR MACHINE MANUFACTURERS

MADE IN ITALY

ISO 9001:2015
certified Quality Management System

Low temperature water-glycol chillers

Main features

- Available in six power ratings.
- Air condensed.
- Stainless steel circulation pump.
- Tank equipped with top-up system and sight level.
- High performance alternative compressors with low energy consumption.
- Electronic microprocessor thermoregulator for fluid temperature control and display.
- Cooler malfunction signals on display.
- High efficiency heat exchangers.
- Protective flow switch.
- Low-noise axial fans.
- 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).

Accessories

- High head circulation pumps.
- Water flow switches with fixed settings or settable options and malfunction signal setup.
- Washable water filters.
- Pressure gauges on the hydraulic circuit and/or the cooling circuit.
- Automatic bypass valve of the hydraulic circuit.
- External bypass.
- Caster wheels.
- Metal washable air filters for condenser protection.
- Chiller remote malfunction signal.
- 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 up to +55°C.
- Configuration for an ambient temperature down to -15°C.
- Frame available upon request in every type of RAL finish or polished stainless steel.
- Hydraulic section made up of check valve on fluid outflow, electric valve on return and water filter to protect the electric valve.
- Minimum electric water level, with remote alarm.
- Automatic water filling system in the hydraulic circuit.
- Non-polluting hydraulic circulation with special fittings, resistant to every type of liquid.
- Hydraulic fittings for food use.

Compact and efficient, LTW coolers are recommended in industrial processes requiring low working temperatures, and are optimised for functioning with a high percentage of glycol water. The working range can be set between -10 and -25°C.

The skills and the experience gained by Euro Cold during its 25 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.

LTW Low temperature water-glycol chillers

Technical data

MODEL			LTW					
			50	60	95	100	200	250
Nominal cooling capacity **(*)**		**W**	1710	2510	4420	5700	8570	11150
Power supply			400V / 3ph / 50Hz					
Compressor (Max. absorbed power)		**W**	2383	3805	5183	7312	10613	13651
Fan	Air flow	**mc/h**	4060	4060	8060	8060	8060	8060
	Max. absorbed power	**W**	220	220	2 x 220	2 x 220	2 x 220	2 x 220
Condenser			Air condenser (copper/aluminium)					
Evaporator			Brazed plates					
Electronic thermoregulator			Setting range from -25 to -10°C					
Pump **(**)**	Flow rate	**l/min**	20-90	20-90	20-90	20-90	50 - 250	50 - 180
	Head	**bar**	2 - 1.5	2 - 1.5	2 - 1.5	2 - 1.5	2 - 1.2	2 - 1.2
	Max. absorbed power	**W**	1000	1000	1000	1000	1350	1350
Thermoplastic tank (nom. capacity) **(**)**		**l**	23	23	65	65	65	65
Refrigerant gas			R 452A					
Noise level (at 1 m distance)		**db (A)**	70	70	70	70	70	70
Frame colour			RAL 7035					
Frame type			ECP3-B	ECP3-B	D3-1C	D3-1C	D3-1C	D3-1C

Technical drawings available in the DOWNLOAD area of our Web site

Weights & dimensions

Empty weight (approx.)		**kg**	100	100	320	320	320	320
Packaging weight (approx.)		**kg**	110	110	340	340	340	340
Dimensions (W x D x H)		**mm**	670 x 660 x 1180		750 x 1410 x 1380			
Packaging dimensions (W x D x H) **(***)**		**mm**	1000 x 800 x 1580		850 x 1595 x 1580			

Notes

(*) Performance data refers to outlet fluid at -15°C and ambient temperature +32°C
(**) Flow rate referred to pure water
(***) Standard packaging: cardboard box placed on pallet
Cooling capacity data is based on ASHRAE graphs supplied by the compressor manufacturers
Maximum temperature of inlet fluid: 0°C
Maximum and minimum ambient temperature: from +10 to +40°C
Minimum and maximum ambient relative humidity (without condensation): from 10 to 85% - Maximum ambient altitude: 2000 m
Minimum and maximum stocking temperature: from +5 to +45°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

Indications for the use of pure antifreeze based on working temperature

Outlet fluid temperature °C	Glycol %
-15	35
-20	40
-25	50

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