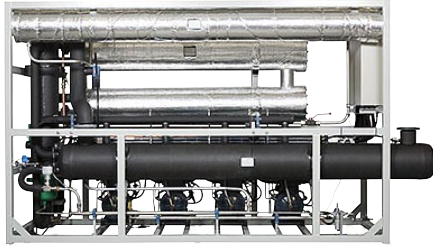


BOTHNIA 4120 MT



BOTHNIA MT

BOTHNIA is a liquid chiller unit (medium temp.) with a liquid cooled gas cooler/-condenser. BOTHNIA is a completely indirect system with glycol/water on both the hot and cold sides. BOTHNIA is designed for the refrigerant carbon dioxide (R744) for the lowest possible environmental impact.

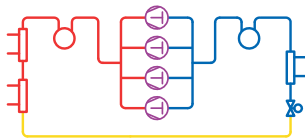
GREEN CO₂NTROL

Our units are standard equipped with GREEN CO₂NTROL. The control system is user friendly, offers a complete surveillance of the establishment and also the possibility of remote control/steering.

Options

- Superheat exchanger (model HE1), • Antivibration mounts, • Flexible sleeves on the heat exchanger, • Web-server, • Commission/training, • Service kit (drying filter & burst disc), • Compressor oil.

FLOW CHART



Medium temperature (MT)	130 MT	260 MT	390 MT	4120 MT
Unit	Liquid Chiller - Completely indirect systems			
Refrigerant	R744			
Refrigeration output, t ₂ -t ₁ /t ₁ (kW)	28,5	57	85,5	114
Swept volume	12,6	25,2	37,8	50,4
Compressor (quantity)	1	2	3	4
Secondary fluid	Propylene glycol 37%			
Temperature of Secondary fluid (°C)	-4/-8	-4/-8	-4/-8	-4/-8
Coolant	Ethylene glycol 40%			
Measure L x W x H (mm)	1975 x 900 ¹ x 1950		2480 x 900 ¹ x 1950	3200 x 900 ¹ x 1950
Weight (Kg)	1300 ²	1500 ²	2000 ²	2700 ²

- Discharge temperature from gas cooler: +30°C
 - Evaporation temperature: -12°C
 - Voltage & HZ: 400/3/50
- 1) Up to 1300mm depending on chosen option.
2) Basic weight without option.

We reserve the right to make modifications. Refrigeration outputs shown in the table are based on design temperatures. Some outputs are preliminary and should be determined in actual operational conditions as ambient temperature and water temperature will influence the output values.