

Technical Standard Specification



Series: Chill Compact C-1-L

Medium: Water

Refrigerant: R 513A (GWP=631)
Refrigerant circuits: 1 circuit
Total filling refrigerant: ca. 1,0 kg
Power supply: 230 V/50 Hz

Heating capacity: optional (cf. O/C)

Functional equipment

- Controller SBC-T
- Set value and actual value display, alarm display and many other features
- Fully hermetical scroll compressor
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by float switch
- Dirt trap installed in return line of circulating medium
- Bypass line between to and from process as pump protection
- High and low pressure controller acc. to DIN EN 378



General equipment

- Stainless steel tank, 12 liters, open system, completely insulated
- Self-supporting case without rollers, mounted on rubber buffers
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

Cooling

Capacity

- 1.0 kW in relation to +10°C temperature to process at +32°C ambient temperature
- Temperature range to process: +5°C up to +30°C

Condenser

Set-up

- Air-cooled:
- Air quantity: 1,000 m³/h
- Number of fans: 1 piece
- Inlet air temperature: max. +42°C

Pump

	Standard
Output rate (max.)	27 ltr/min
Pressure (max.)	4.5 bar
Motor capacity	0.35 kW

Booster pump

Dimensions/weights/colours

Dimensions L/W/H:	730 mm x 370 mm x 590 mm (w/o conn.)		
Net weight:	approx. 50 kg		
Colour:	case:	RAL 7035 light grey	
	front door:	RAL 7016 anthracite grey	

Connections

Circulating medium: G 3/8 internal thread

Subject to technical changes; Status: 11.04.2024 (modified: B.Nebel)

This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.

Technical Standard Specification



Series: Chill Compact C-1-W

Medium: Water

Refrigerant: R 513A (GWP=631)
Refrigerant circuits: 1 circuit
Total filling refrigerant: ca. 0,5 kg
Power supply: 230 V/50 Hz

Heating capacity: optional (cf. O/C)

Functional equipment

- Controller SBC-T
- Set value and actual value display, alarm display and many other features
- Fully hermetical scroll compressor
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by float switch
- Dirt trap installed in return line of circulating medium
- Dirt trap installed in supply line of cooling water inlet
- Bypass line between to and from process as pump protection
- High and low pressure controller acc. to DIN EN 378



General equipment

- Stainless steel tank, 12 liters, open system, completely insulated
- Self-supporting case without rollers, mounted on rubber buffers
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

Cooling

Capacity

- 1.0 kW in relation to +10°C temperature to process at +32°C ambient temperature
- Temperature range to process: +5°C up to +30°C

Condenser

Set-up

- Water-cooled:
- Water quantity required: 6 ltr/min
- Cooling water inlet temperature max.: +25°C
- Pressure difference provided by customer for cooling water supply: min. 2.5 bar

Pump

	Standard
Output rate (max.)	27 ltr/min
Pressure (max.)	4.5 bar
Motor capacity	0.35 kW

Booster pump

Dimensions/weights/colours

Dimensions L/W/H: 730 mm x 370 mm x 590 mm (w/o conn.)
Net weight: approx. 50 kg
Colour: case: RAL 7035 light grey
front door: RAL 7016 anthracite grey

Connections

Circulating medium: G 3/8 internal thread
Cooling water: G 3/8 internal thread

Subject to technical changes; Status: 11.04.2024 (modified: B.Nebel)

This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.