

# Technical Standard Specification



Series: Chill Advanced C-14-L

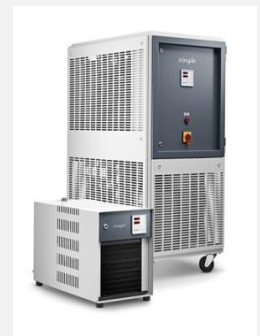
Medium: Water

Refrigerant: R 513A (GWP=631)  
Refrigerant circuits: 1 circuit  
Total filling refrigerant: ca. 4 kg  
Power supply: 380-415 V/50 Hz

Heating capacity: optional (cf. O/C)

## Functional equipment

- Controller Smart Controller Plus
- Set value and actual value display, alarm display and many other features
- Frequency-controlled pump
- Flow and pressure measurement in the flow pipe
- Semi-hermetic reciprocating compressor, power controlled
- Frost protection monitoring
- Flow monitoring
- Protection grid over condenser in colour of case
- Oil sump heating
- Draining device
- Level monitoring by magnetic float switch
- Dirt trap installed in return line of circulating medium
- Overflow valve between to and from process as pump protection, locked
- High and low pressure controller acc. to DIN EN 378



## General equipment

- Stainless steel tank, 80 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 14 kW in relation to +10°C temperature to process at +32°C ambient temperature
- *Temperature range to process: +5°C up to +30°C*  
(Optionally temperatures down from -5°C to +20°C possible)

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 5,800 m<sup>3</sup>/h
- Number of fans: 2 pieces, speed-controlled
- Inlet air temperature: max. +30°C

## Pump

	Standard
Output rate (max.)	150 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	1.1 kW

## Booster pump

150 ltr/min
7.5 bar
2.2 kW

## Dimensions/weights/colours

Dimensions L/W/H:	1,450 mm x 750 mm x 1,680 mm (w/o conn.)		
Net weight:	approx. 400 kg		
Colour:	case:	RAL 7035 light grey	
	front door:	RAL 7016 anthracite grey	

## Connections

Circulating medium:	DN 32 internal thread
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**Subject to technical changes; Status: 06.08.2024 (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 Advanced C-14-W

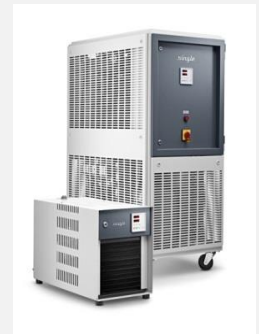
Medium: Water

Refrigerant: R 513A (GWP=631)  
Refrigerant circuits: 1 circuit  
Total filling refrigerant: ca. 1,6 kg  
Power supply: 380-415 V/50 Hz

Heating capacity: optional (cf. O/C)

## Functional equipment

- Controller Smart Controller Plus
- Set value and actual value display, alarm display and many other features
- Frequency-controlled pump
- Flow and pressure measurement in the flow pipe
- Semi-hermetic reciprocating compressor, power controlled
- Frost protection monitoring
- Flow monitoring
- Oil sump heating
- Draining device
- Level monitoring by magnetic float switch
- Dirt trap installed in return line of circulating medium
- Dirt trap installed in supply line of cooling water inlet
- Overflow valve between to and from process as pump protection, locked
- High and low pressure controller acc. to DIN EN 378



## General equipment

- Stainless steel tank, 80 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 14 kW in relation to +10°C temperature to process
- *Temperature range to process: +5°C up to +30°C*  
(Optionally temperatures down from -5°C to +20°C possible)

## Condenser

### Set-up

- Water-cooled:
- Water quantity required: 45 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.)	150 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	1.1 kW

### Booster pump

150 ltr/min
7.5 bar
2.2 kW

## Dimensions/weights/colours

Dimensions L/W/H:	1,450 mm x 750 mm x 1,550 mm (w/o conn.)
Net weight:	approx. 400 kg
Colour:	case: RAL 7035 light grey front door: RAL 7016 anthracite grey

## Connections

Circulating medium:	DN 32 internal thread
Cooling water:	DN 25 internal thread

**Subject to technical changes; Status: 06.08.2024 (modified: B.Nebel)**

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