

# Technical Standard Specification



Series: Chill Compact C-1-L

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
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 m<sup>3</sup>/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; latest update: October 9th, 2017 -

***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 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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

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# Technical Standard Specification



Series: Chill Compact C-2-L

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Protection grid over condenser in colour of case
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by magnetic 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

## Connections

Circulating medium: G 1/2 internal thread

## Cooling

### Capacity

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

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 1,000 m<sup>3</sup>/h
- Number of fans: 1 piece
- Inlet air temperature: max. +42°C

## Pump

	Standard
	VP 640
Output rate (max.)	54 ltr/min
Pressure (max.)	3,8 bar
Motor capacity	0,66 kW

## Booster pump

	VP 660
	58 ltr/min
	5,2 bar
	0,95 kW

## Dimensions/weights/colours

Dimensions L/W/H:	765 mm x 455 mm x 690 mm (w/o conn.)
Net weight:	approx. 120 kg
Colour:	case: RAL 7035 light grey
	front door: RAL 7016 anthracite grey

## Dimensions with Smart Controller

910mm x 575mm x 1000mm (w/o conn.)

- Subject to technical changes; latest update: October 31th, 2019 (changed by C.Scheufele)-

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# Technical Standard Specification



Series: Chill Compact C-2-W

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Plate condenser with refrigerant receiver
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- 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
- 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

## Connections

Circulating medium: G 1/2 internal thread  
Cooling water: G 1/2 internal thread

## Cooling

### Capacity

- 2.0 kW in relation to +10°C temperature to process at +32°C ambient temperature
- Temperature range to process: +5°C up to +30°C (Optinally temperatures down to -5° possible)

## Condenser

### Set-up

- Water-cooled:
- Water quantity required: 7 ltr/min
- Cooling water inlet temperature max.: +25°C
- Pressure difference provided by customer for cooling water supply: min. 2.5 bar

## Pump

	Standard	Booster pump
	VP 640	VP 660
Output rate (max.)	54 ltr/min	58 ltr/min
Pressure (max.)	3,8 bar	5,2 bar
Motor capacity	0,66 kW	0,95 kW

## Dimensions/weights/colours

Dimensions L/W/H: 765 mm x 455 mm x 690 mm (w/o conn.)  
Net weight: approx. 120 kg  
Colour: case: RAL 7035 light grey  
front door: RAL 7016 anthracite grey

## Dimensions with Smart Controller

910 mm x 575 mm x 810 mm (w/o conn.)

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# Technical Standard Specification



Series: Chill Compact C-3-L

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Protection grid over condenser in colour of case
- Oil sump heating
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by magnetic 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

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

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 2,250 m<sup>3</sup>/h
- Number of fans: 1 piece
- Inlet air temperature: max. +42°C

## Pump

	<b>Standard</b>
	VP 640
Output rate (max.)	54 ltr/min
Pressure (max.)	3,8 bar
Motor capacity	0,66 kW

## Booster pump

	VA 5-2
	54 ltr/min
	6 bar
	1,3 kW

## Dimensions/weights/colours

Dimensions L/W/H:	910 mm x 575 mm x 1000 mm (w/o conn.)
Net weight:	approx. 130 kg
Colour:	case: RAL 7035 light grey
	front door: RAL 7016 anthracite grey

## Connections

Circulating medium: G 1/2 internal thread

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# Technical Standard Specification



Series: Chill Compact C-3-W

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Plate condenser with refrigerant receiver
- Oil sump heating
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- 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
- 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

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

## Condenser

### Set-up

- Water-cooled:
- Water quantity required: 8 ltr/min
- Cooling water inlet temperature max.: +25°C
- Pressure difference provided by customer for cooling water supply: min. 2.5 bar

## Pump

	Standard	Booster pump
Output rate (max.)	VP 640 54 ltr/min	VA 5-2 54 ltr/min
Pressure (max.)	3,8 bar	6 bar
Motor capacity	0,66 kW	1,3 kW

## Dimensions/weights/colours

Dimensions L/W/H: 910 mm x 575 mm x 810 mm (w/o conn.)  
Net weight: approx. 130 kg  
Colour: case: RAL 7035 light grey  
front door: RAL 7016 anthracite grey

## Connections

Circulating medium: G 1/2 internal thread  
Cooling water: G 1/2 internal thread

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# Technical Standard Specification



Series: Chill Compact C-4-L

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Protection grid over condenser in colour of case
- Oil sump heating
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by magnetic 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

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

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 2,250 m<sup>3</sup>/h
- Number of fans: 1 piece
- Inlet air temperature: max. +42°C

## Pump

	<b>Standard</b>
	VP 640
Output rate (max.)	54 ltr/min
Pressure (max.)	3,8 bar
Motor capacity	0,66 kW

## Booster pump

	VA 5-2
	54 ltr/min
	6 bar
	1,3 kW

## Dimensions/weights/colours

Dimensions L/W/H:	910 mm x 575 mm x 1000 mm (w/o conn.)
Net weight:	approx. 135 kg
Colour:	case: RAL 7035 light grey
	front door: RAL 7016 anthracite grey

## Connections

Circulating medium: G 1/2 internal thread

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# Technical Standard Specification



Series: Chill Compact C-4-W

Medium: Water

Refrigerant: R 134a  
Refrigerant circuits: 1 circuit  
Total filling refrigerant:  
Power supply: 380-415 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
- Plate condenser with refrigerant receiver
- Oil sump heating
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- 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
- 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, 16 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coated
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

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

## Condenser

### Set-up

- Water-cooled:
- Water quantity required: 11 ltr/min
- Cooling water inlet temperature max.: +25°C
- Pressure difference provided by customer for cooling water supply: min. 2.5 bar

## Pump

	Standard	Booster pump
Output rate (max.)	VP 640 54 ltr/min	VA 5-2 54 ltr/min
Pressure (max.)	3,8 bar	6 bar
Motor capacity	0,66 kW	1,3 kW

## Dimensions/weights/colours

Dimensions L/W/H: 910 mm x 575 mm x 810 mm (w/o conn.)  
Net weight: approx. 135 kg  
Colour: case: RAL 7035 light grey  
front door: RAL 7016 anthracite grey

## Connections

Circulating medium: G 1/2 internal thread  
Cooling water: G 1/2 internal thread

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