



Product sheet

Pipe coupling EXLP

For Envistar Flex





Documentation for your unit

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Safety



For instructions and safety procedures during use, refer to the relevant assembly instructions, operation and maintenance for the unit and the manufacturer's product documentation.

We reserve the right to make any changes to the product that may not be updated in this product sheet. In the case of doubt, the manufacturer's information will apply.



Spare parts

Spare parts list can be downloaded from IV Produkt's order portal. Order spare parts and accessories from IV Produkt. See contact information on the last page. Please state the order number and AHU designation from the type plate, located on the unit.



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Pipe coupling EXLP

Information

The pipe coupling consists of a circulating pump, a balancing valve, a valve with actuator and an expansion tank. The coupling is filled with ethylene glycol, pressurised and balanced. The pipe coupling is supplied fully assembled from the factory.

Component parts

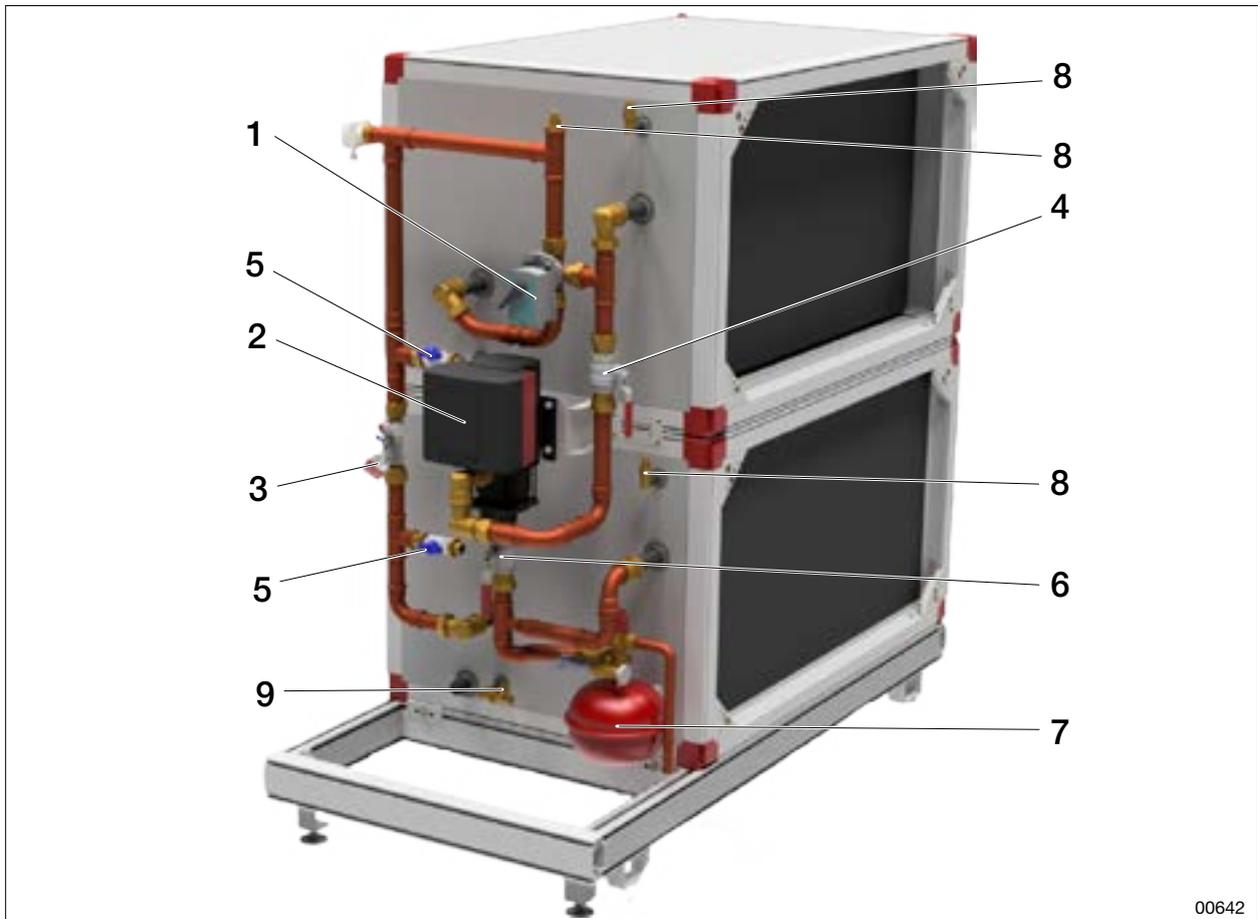
Other values such as flow range, Kv-value (valve) and available pressure (coil/piping) can be found in the Technical Data section of the supplied documentation.

Component	Unit size			
	150	190	240	300
Pump, Grundfos	CME 1-3	CME 5-3	CME 5-3	CME 5-3
Filling valve, 2 pcs (RSK number)	5494212, DN20	5494212, DN20	5494212, DN20	5494212, DN20
Shut-off valve with filter (RSK number)	5060279, DN25	5060279, DN25	5060279, DN25	5060279, DN25
Shut-off valve without filter (RSK number)	4502147, DN25	4502147, DN25	4502147, DN25	4502147, DN25
Balancing valve, STAD type (RSK number)	4889980, DN 20	4889981, DN 25	4889981, DN 25	4889981, DN 25
Expansion tank (RSK number)	5535208, 4 litres	5535208, 4 litres	5535208, 4 litres	5535208, 4 litres
Wall bracket, expansion tank (RSK number)	5535281	5535281	5535281	5535281
Armature kit (RSK number)	5535369	5535369	5535369	5535369
Temperature sensor, Siemens	QAE 2120.015	QAE 2120.015	QAE 2120.015	QAE 2120.015
Control valve, Siemens type *	VBI61.	VBI61.	VBI61.	VBI61.

Component	Unit size			
	360	400	480	600
Pump, Grundfos	CME 5-3	CME 5-3	CME 5-3	CME 5-3
Filling valve, 2 pcs (RSK number)	5494212, DN20	5494212, DN20	5494212, DN20	5494212, DN20
Shut-off valve with filter (RSK number)	5060279, DN25	5060279, DN25	5060281, DN32	5060281, DN32
Shut-off valve without filter (RSK number)	4502147, DN25	4502147, DN25	4502148, DN32	4502148, DN32
Balancing valve, STAD type (RSK number)	4889982, DN32	4889982, DN32	4889983, DN40	4889983, DN40
Expansion tank (RSK number)	5535216, 8 litres	5535216, 8 litres	5535216, 8 litres	5535216, 8 litres
Wall bracket, expansion tank (RSK number)	5535281	5535281	5535281	5535281
Armature kit (RSK number)	5535369	5535369	5535369	5535369
Temperature sensor, Siemens	QAE 2120.015	QAE 2120.015	QAE 2120.015	QAE 2120.015
Control valve, Siemens type *	VBI61.	VBI61.	VBI61.	VBI61.

* For size, see AHU (air handling unit) technical data.

Pipe coupling, components



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Figure: Principle image. Pipe coupling EXL for Envistar Flex

- | | |
|--------------------------------|--|
| 1. Control valve with actuator | 6. Shut-off valve with cleaning filter |
| 2. Circulating pump | 7. Expansion tank |
| 3. Balancing valve | 8. Bleed valve |
| 4. Shut-off valve | 9. Drain valve |
| 5. Filling valve | |



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Recycling circuit, function

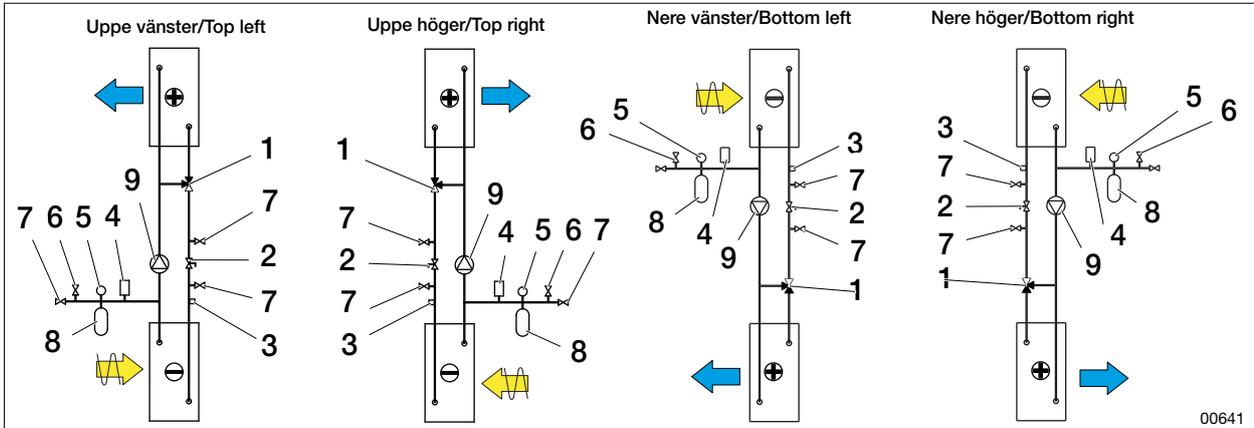


Figure: Principle drawing of recycling circuit

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|---------------------------------|---------------------|
| 1. Control valve | 6. Air valve |
| 2. Balancing valve | 7. Filling valve |
| 3. Connection, immersion sensor | 8. Expansion tank |
| 4. Pressure relief valve | 9. Circulating pump |
| 5. Pressure gauge | |

Assembly

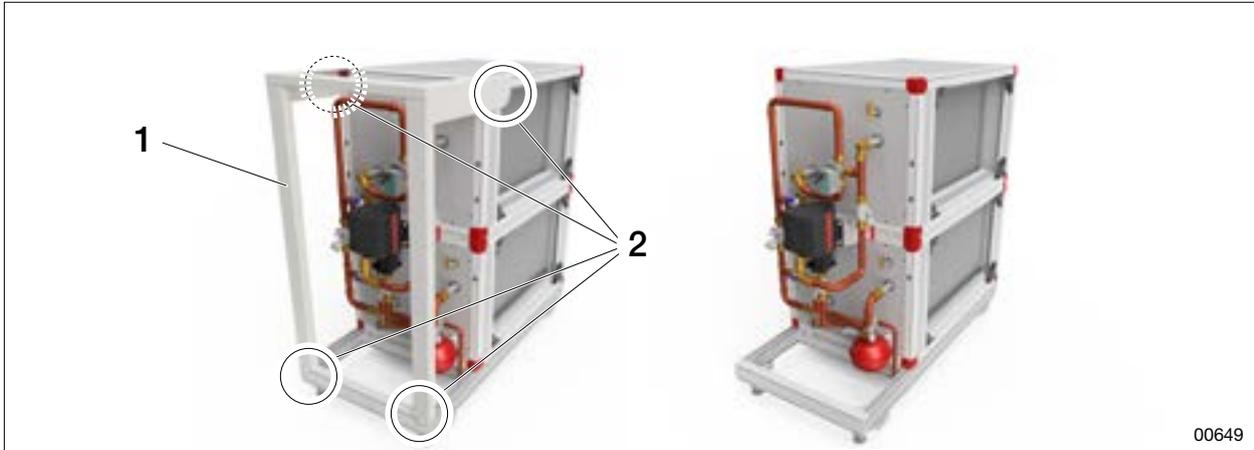


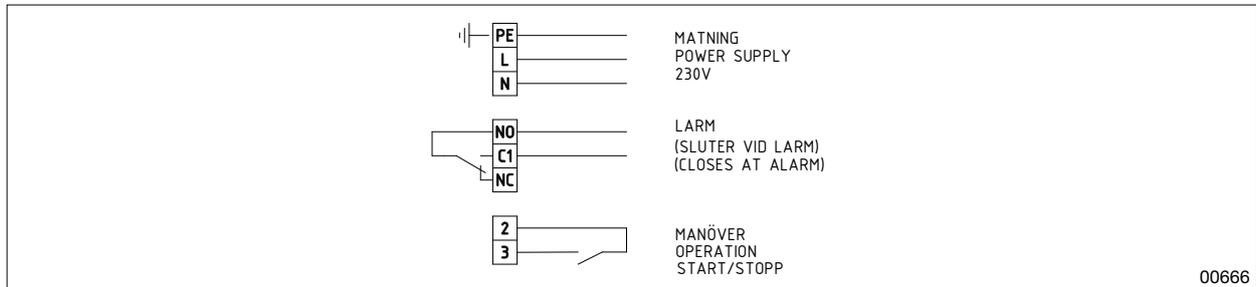
Figure: Transport protection

- | | |
|-------------------------|-----------|
| 1. Transport protection | 2. Screws |
|-------------------------|-----------|

1. Unscrew the screws.
2. Lift off the transport protection. The transport protection is discarded and recycled as sheet metal.
3. Assemble the AHU (air handling unit with the other unit parts. For more information, see the assembly instructions for the AHU (air handling unit).

Connection

Circulating pump (Grundfos CME)



Valve actuator (GSD161.9A)



Freezing sensor (QAE 2120.015)



Balancing and setting

Circulating pump CME

The circulating pump is pre-set and the liquid flow balanced at the factory. The flow is controlled by means of the built-in balancing valve.

Unit size	Pump type	Voltage (V)	Electric current (A)	Output (kW)
150	CME 1-3-A-R-A-E-AQQE	230	3.45	0.5
190-600	CME 5-3-A-R-A-E-AQQE	230	6.7	1.1

Balancing valve, STAD

Factory setting is 3.0 for unit size 150-600.

Expansion tank

Factory setting (pre-pressure) is 0.5 bar for unit size 150-600. Operating pressure is 0.8 - 1.4 bar.

Feel free to contact us



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