Heating pump assembly Primo-Therm® K 180-2 DN25 AP 3WM-SM Vario

Part no. 79137

Heating pump assembly

benefits

- pre-assembled, tightness-tested and heat-insulated assembly
- with high-grade, robust mixer
- Version with adjustable flow coefficient Kvs from 2.5 to 12 m^3/h: Adjustment also possible during operation (under pressure) at any time
- available with high energy efficiency pump class A

NEW

Application

Heating pump assembly for use in mixed heating circuits. With the 3-way mixer and the actuator, the flow temperature can be adjusted to a desired temperature by adding water from the return. The mixer version with adjustable flow coefficient Kvs offers maximum flexibility in adapting the system to individual control requirements. The flow coefficient Kvs can be modified at any later point in time, even if the system is under pressure. This way, a great variety of mixer/pump assemblies can be covered with a single version.

Description

Comact, pre-assembled and tightness-tested heating pump assembly with all required functional components, form-fit heat insulation (complies with German Energy Saving Regulation) and wall mounting unit. Adhesive labels with pictograms allow for easy designation.
The flow line consists of:
Combination valve with thermometer in the hand wheel (red mark, range 0/120 °C)
3-way mixing valve with ProClick adapter system, either ARV 325 with flow coefficient Kvs 12 m^3/h or KVS Vario with adjustable flow coefficient Kvs
Maintenance-free, silent actuator ARM 343 (6 Nm, 120 s, AC 230 V) with 0/90° angle of rotation, indication for direction of rotation, selector key "Manual/Automatic Mode" and ProClick adapter system
System connection G1½ male (boiler), G1 female (heating circuit) Suitable for pumps DN 25 with G1½ x 180 mm.
The return line consists of:
Combination valve with gravity brake, thermometer in the handle (blue mark, range 0/120 °C)
Pipe for length compensation as T piece for mixer connection with screw connection for system connection
System connection G1½ male (boiler), G1 female (heating circuit)

Technical Specifications

Axis distance
125 mm

system connections
Boiler: G1½ male
Heating circuit: G1 female

Operating temperature range
Medium: max. 95 °C
Medium: short-term 120 °C

System pressure
max. 10 bar

Nominal size
DN 25

Flow coefficient Kvs
adjustable: 2.5 – 4 – 5 – 6 – 8 – 12 m^3/h

Leak rate
Mixing valve ARV 325 KVS Vario: < 0.1 % of flow coefficient Kvs (up to Δp 0.5 bar < 0.2 % of flow coefficient Kvs)

Heat insulation
Polypropylene EPP

Dimensions
W x H x D: 248 x 400 x 155 mm

Circulation pump
AFRISO APH 361 25-7/180

Length
180 mm

Degree of protection
IP 44 (EN 60529)

Supply voltage
AC 230 V, 50 Hz

Energy efficiency class
A

Power input
AFRISO APH 361 25-7/180
4 – 45 W

pumping head
AFRISO APH 361 25-7/180
max. 7 m

pumping volume
AFRISO APH 361 25-7/180
max. 3.7 m^3/h

operating modes/settings
AFRISO APH 361 25-7/180

Versions

	opening temperature is reached	Pump		Part no.
Heating pump assembly PrimoTherm® K 180-2 DN25 AP 3WM-SM Vario		AFRISO APH 361 25-7/180	●	79137

● in-stock items

● Non-stock items