



Heating pump assembly

benefits

- pre-assembled, tightness-tested and heat-insulated assembly
- compact design
- robust mixer with adjustable flow coefficient Kvs from 12 to 22 m³/h
- available with high energy efficiency pumps class A and high-grade, robust mixer as well as actuator
- easy, fast mounting



Application

Heating pump assembly for use in non-mixed heating circuits. It connects the heating boiler and the pipe system. With the 3-way mixer KVS Vario and the actuator, the flow temperature can be adjusted to a desired temperature by adding water from the return. PrimoTherm® 180-2 can also be used to increase the return temperature with solid fuel boilers which have a controller for increasing the return temperature. The opening temperature must be set at this controller.

Description

Complete, pre-assembled and tightness-tested heating pump assembly with all required functional components, form-fit insulation and wall mounting unit.

The Flow line consists of:

Combination valve with thermometer in the hand wheel (red mark, range 0/120 °C)

3-way mixing valve ARV 325 KVS Vario with adjustable flow coefficient Kvs and ProClick adapter system

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 G1¼ female (heating circuit)

Suitable for pumps with 2" x 180 mm.

The Return line consists of:

Combination valve with thermometer in the handle (blue mark, range 0/120 °C), pipe for length compensation with gravity brake

System connection (boiler) G2 with screw connection G1¼ female (easy mounting and adapter G1½ AB for use with boiler manifold)

Technical Specifications

Axis distance

125 mm

system connections

Boiler: G1¼ IG

Heating circuit: G1¼ IG

Operating temperature range

Medium: max. 110 °C

System pressure

max. 10 bar

observe maximum pressure of circulation pumps used

Nominal size

DN 32

Options

- High-efficiency pump Wilo Stratos Para 30 1-7 r. K.
- other circulation pumps

Flow coefficient Kvs

adjustable: 12 – 16 – 22 m³/h

Leak rate

Mixing valve ARV 325 KVS Vario: < 0.7 % of flow coefficient Kvs (up to Δp 0.5 bar < 0.3 % of flow coefficient Kvs)

Heat insulation

Polypropylene EPP

Dimensions

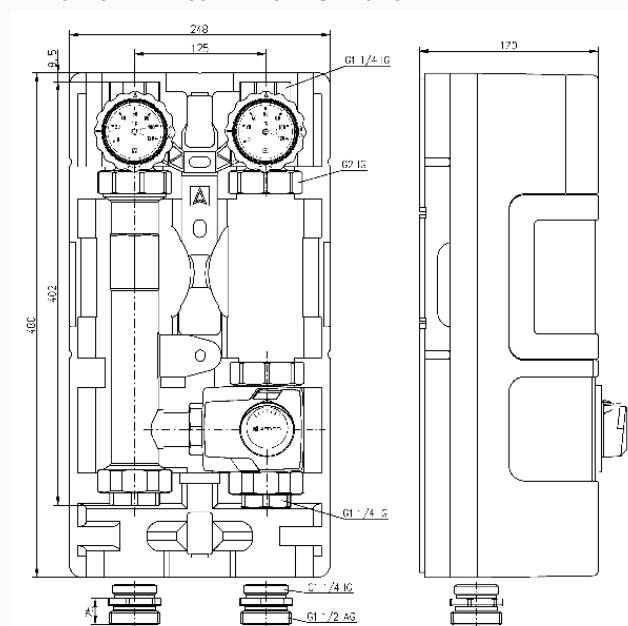
W x H x D: 248 x 480 x 170 mm

Options

- High-efficiency pump Wilo Stratos Para 30 1-7 r. K.
- other circulation pumps

Technical Drawings

PrimoTherm® K 180-2 DN 32 KSV Vario



Dimensions (mm)

Versions

	opening temperature is reached	Pump		Part no.
Heating pump assembly PrimoTherm® K 180-2 DN32 3WM-SM Vario		Without circulation pump	●	79502
Heating pump assembly PrimoTherm® K 180-2 DN32 GP 3WM-SM Vario		Grundfos UPM3(K) HY-BRID 32-70 180 (N)	●	79505
Heating pump assembly PrimoTherm® K 180-2 DN32 WP 3WM-SM Vario		Wilo Para OPT 30-180/8-60/SC	●	79506

- in-stock items
- Non-stock items