

Heating pump assembly PrimoTherm® K 180-2 DN32 KVS Vario



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.

Versions

	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) HYBRID 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

Blue part no. = in-stock items

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

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)

Polypropylene EPP

Dimensions

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

Circulation pump

Without circulation pump

Grundfos UPM3(K) HYBRID 32-70 180 (N)

Wilo Para OPT 30-180/8-60/SC

Options

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

Technical drawings

