

Heating pump assembly PrimoTherm® 180-3 DN 25 RTA



Benefits

- For increased return temperature with solid fuel boilers
- With temperature-controlled condensation protection valve
- For reduced amounts of condensate in the combustion process
- Avoids deposits in the boiler and in the smoke vent
- Eligible for heating optimization program (BAFA)

Application

Heating pump assembly for automatically controlling the return temperature of the system water to the heat generator to the value adjusted in the valve. An integrated, temperature-controlled condensation protection valve is the connection between the solid fuel heating system and the heating circuit or the hot water storage tank. Using PrimoTherm® 180-3 RTA keeps the temperature in the heating boiler above the condensation point in all operating states. This avoids deposits in the boiler and in the smoke vent and increases the service life of the system; corrosion damage of the heating boiler and chimney fires caused by soot deposits are avoided.

Versions

	Opening temperature is reached	Pump	Part no.
Heating pump assembly PrimoTherm® 180-3 DN 25 RTA 60	60 °C	–	77576
Heating pump assembly PrimoTherm® 180-3 DN 25 RTA 60 WP	60 °C	Wilo Yonos Para 25/6 RKC	77570

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. With an additional mounting bracket, the unit can be mounted in any position (vertically/horizontally).

The return line consists of:

- Combination valve with thermometer in the hand wheel (blue mark, range 0/120 °C)
- Ball valve above the pump
- 3-way mixing valve with fixed mixing temperature 60 °C
- System connection G1 female (boiler), G1 female (storage)
- Suitable for pumps DN 25 with G1½ x 180 mm.

The flow line (hot) consists of:

- Combination valve with gravity brake, thermometer in the handle (red mark, range 0/120 °C)
- Pipe for length compensation with screw connection
- System connection G1 female (boiler), G1 female (storage)



Technical specifications

Axis distance

125 mm

System connections

Boiler: G1 female

Heating circuit: G1 female

Operating temperature range

Medium: Max. 100 °C

System pressure

Max. 10 bar

Nominal size

DN 25

System capacity

Max. 32 kW at a flow rate of 1,400 l/h and a temperature spread of Δt 20 K

Leak rate

Water-tight between connections A->AB

Polypropylene EPP

Dimensions

W x H x D: 250 x 475 x 153 mm

Circulation pump

Wilo Yonos Para 25/6 RKC

Length

180 mm

Supply voltage

AC 230 V, 50 Hz

Energy efficiency class

A

Power input

3 – 45 W

Pumping head

6.2 m

Pumping volume

3.3 m³/h

Options

- Other opening temperatures
- Other circulation pumps

Technical drawings

