

Heating pump assembly PrimoTherm® 180-1 DN 25



Benefits

- Pre-assembled, tightness-tested and heat-insulated assembly
- Modular system with flow at left or right
- Easy, fast mounting
- With high-efficiency pump class A
- Eligible for heating optimization program (BAFA)

Application

Heating pump assembly for use in non-mixed heating circuits, specially for storage tank charging. It connects the heating boiler and the pipe system.

Versions

	Pump	Part no.
Heating pump assembly PrimoTherm® 180-1 DN 25	Without circulation pump	77643
Heating pump assembly PrimoTherm® 180-1 DN 25 GP	Grundfos UPM3 HYBRID 25-70/180	77645
Heating pump assembly PrimoTherm® 180-1 DN 25 WP	Wilo Para RS 25–180/6	77507

Blue part no. = in-stock items

	Part no.
Connection kit G1½i x G1i	77612
Connection kit G1½a x G1a	77613
3-way mixer ARV 325 KVS Vario with T piece	77589

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 pump line (flow/hot) consists of:

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



Ball valve below the pump
Pipe for length compensation with screw connection
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 (pump/mixer) with screw 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. 110 °C

System pressure

Max. 10 bar

Nominal size

DN 25

Flow coefficient Kvs

4.8 m³/h

Insulation

Polypropylene EPP

Dimensions

W x H x D: 250 x 475 x 152 mm

Circulation pump

Without circulation pump

Grundfos UPM3 HYBRID 25-70/180

Wilo Para RS 25–180/6

Length

180 mm

Degree of protection

IP 44 (EN 60529)

Supply voltage

AC 230 V, 50 Hz

Energy efficiency class

A

Power input

Grundfos UPM3 HY- 2 – 52 W

BRID 25-70/180:

Wilo Para RS 25– 3 – 43 W

180/6:

Pumping head

Grundfos UPM3 HY- 7 m

BRID 25-70/180:

Wilo Para RS 25– 6.7 m

180/6:

Pumping volume

Grundfos UPM3 HY- Max. 3.6 m³/h

BRID 25-70/180:

Wilo Para RS 25– Max. 3.2 m³/h

180/6:

Operating modes/settings

Grundfos UPM3 HY- PWM-A (4), PWM-C (4), constant volume

BRID 25-70/180: flow PP (3), constant pressure CP (3), constant speed of rotation (3)

Wilo Para RS 25– Constant volume flow PP (3), constant pressure CP (3), constant speed of rotation (3)

Options

- Mixer and actuator, can be retrofitted
- Other circulation pumps



Technical drawings

PrimoTherm® 180-1 with Grundfos pump

