

## Heating pump assembly PrimoTherm® 180-1 DN 25



### Benefits

- Modular system with flow at left or right
- Easy, fast mounting
- With high-efficiency pump class A

### 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	–	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 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**  
 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:

**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), kon-  
 stante Drehzahl (3)  
 Wilo Para RS 25– Constant volume flow PP (3), constant pres-  
 180/6: sure CP (3), konstante Drehzahl (3)

**Options**

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

## Technical drawings



