

# 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

