

# Heating pump assembly PrimoTherm® K 180-1 DN25



### Benefits

- Pre-assembled, tightness-tested and heat-insulated assembly
- Modular system with flow at left or right
- Easy, fast mounting
- Available with high energy 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® K 180-1 DN25	Without circulation pump	77811
Heating pump assembly PrimoTherm® K 180-1 DN25 GP	Grundfos UPM3 HYBRID 25-70/180	77818
Heating pump assembly PrimoTherm® K 180-1 DN25 WP	Wilo Para RS 25–180/6	77819

Blue part no. = in-stock items

### Description

Comact, pre-assembled and tightness-tested heating pump assembly with all required functional components, form-fit heat insulation (complies with German Energy Saving Regulation) and wall mounting unit. Adhesive labels with pictograms allow for easy designation of the heating circuits.

The flow line consists of:

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

Ball valve below the pump

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 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. 95 °C

Medium: short-term 120 °C

### System pressure

Max. 10 bar

### Nominal size

DN 25

### Flow coefficient Kvs

7.6 m³/h

Polypropylene EPP

### Dimensions

W x H x D: 248 x 400 x 155 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- Max. 7 m

BRID 25-70/180:

Wilo Para RS 25– Max. 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 CC (3)

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

### Options

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

## Technical drawings

