

Pump groups



Overview

HERZ boiler connection groups of the „PUMPFIX“ series are compact system units with isolation and safety valves as well as control and regulating devices for connecting energy generators and supply circuits in building services. Depending on the area of application, HERZ PUMPFIX pump groups are available with a heating circulating pump of different manufacturers and efficiencies, isolation valves, temperature indicators, backflow preventer, spacer, regulating valve, mixing valve with manual adjustment and 3-point actuator, diaphragm safety valve and venting fitting to form a compact connection set with insulating shell.



The pump group is mounted vertically with the ball valves pointing upwards with the thermometer. The connection to the boiler or distributor is made from below via an external thread. The consumers are connected via an internal thread. Each pump group is equipped with a mounting plate. The use of the HERZ PUMPFIX distributor is recommended if several parallel HERZ PUMPFIX pump groups are used (in the case of multi-circuit heating or cold water cooling systems). The pump groups and distributors are designed so that they can be connected directly. The pump groups (DN25) can also be mounted on manifolds with other dimensions (DN32) using adapters 1 **4510** 51. HERZ PUMPFIX distributor DN50 is suitable for PUMPFIX groups DN40 and DN50.

Benefits

- ✓ All components are developed and designed in-house
- ✓ Permanent quality control of production in our own factories
- ✓ Circulation pumps with installation lengths of 130 mm, 180 mm, 240 mm and 280 mm
- ✓ Connection distance between flow and return: 125 mm (DN20 - DN32), 180 mm (DN40 - DN50)
- ✓ Delivery of complete pump groups
- ✓ Easy installation and maintenance
- ✓ All pump groups are available with or without circulation pump



☑ PUMPFIX Product family (DN 20 - DN 32)



☑ PUMPFIX DIRECT

Pump group for a direct heating circuit or direct connection between boiler and water heater.

Components:

- Thermometer ball valves with isolation valve (0 - 120 °C)
- Optionally with or without electronic circulation pump
- Spacer with non-return valve
- Connecting piece with isolation valve
- Thermal insulation
- Distance VL/RL: 125 mm



☑ PUMPFIX CONSTANT

Pump group for thermostatic control of the heating circuit temperature.

Components:

- Thermometer ball valves with isolation valve (0 - 120 °C)
- Optionally with or without electronic circulation pump
- Spacer with non-return valve
- Mixing valve with thermostatic head with contact sensor
- Thermal insulation
- Distance VL/RL: 125 mm



☑ PUMPFIX MIX

Pump group for electronic control of the heating circuit temperature.

Components:

- Thermometer ball valves with isolation valve (0 - 120 °C)
- Overflow valve (accessories)
- Optionally with or without electronic circulation pump
- Spacer with non-return valve
- 3-way mixing valve with bypass (DN25)
- Mixer motor for 3-point control
- Thermal insulation
- Distance VL/RL: 125 mm



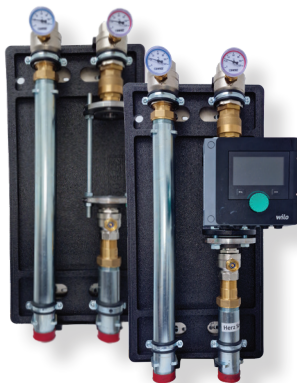
☑ PUMPFIX SOLAR

Pump group for solar systems.

Components:

- Thermometer ball valves with isolation valve and non-return valve (0 - 150 °C)
- Optionally with or without electronic circulation pump
- Connection for expansion vessel
- Volume flow controller 4 - 24 l/min
- With sight glass and drain
- Spacer with vent
- Incl. safety valve 6 bar and pressure gauge
- Thermal insulation

☑ PUMPFIX Product family (DN 40 - DN 50)



☑ PUMPFIX DIRECT

Components:

- more cost-effective, time- and space-saving heating circuit connection
- Pre-assembled connection system for pumps with an overall length of 240 mm (DN 40) or 280 mm (DN 50)
- with thermal insulation
- Ball valves with integrated thermometer for VL and RL
- Spacer
- non-return valve
- Distance between VL and RL: 180 mm
- max. operating temp.: 110 °C
- max. operating pressure: 10 bar
- Temp. measuring range: 0 °C to 120 °C



☑ PUMPFIX MIX

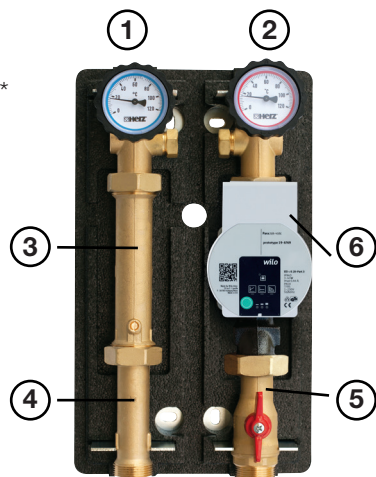
Components:

- more cost-effective, time- and space-saving heating circuit connection
- Pre-assembled connection system for pumps with an overall length of 240 mm (DN 40) or 280 mm (DN 50)
- with thermal insulation
- Ball valves with integrated thermometer for VL and RL
- Spacer
- non-return valve
- Mixing valve with actuator
- Distance between VL and RL: 180 mm
- max. operating temp.: 110 °C
- max. operating pressure: 10 bar
- Temp. measuring range: 0 °C to 120 °C

Overview (PUMPFIX DIRECT)

DN 20 - DN 32

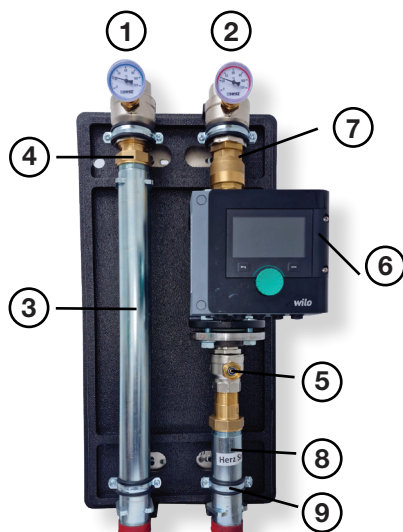
1. ball valve with thermometer (blue)
2. ball valve with thermometer (red)
3. spacer with check valve
4. fitting piece
5. ball valve
6. circulating pump*



DN 40 - DN 50

1. ball valve with thermometer (blue)
2. ball valve with thermometer (red)
3. spacer
4. connection with free-turning nut
5. ball valve
6. circulating pump*
7. check valve
8. fitting piece
9. mounting bracket

* electrically controlled



PUMPFIX MIX	DN	kvs	Order number
without pump	20	4	1 4514 14
	20	6,3	1 4514 15
	25	4	1 4511 44
	25	6,3	1 4511 45
	25	10	1 4511 46
	32	10	1 4514 24
	32	16	1 4514 25
	40	19,8	1 4511 78
	50	29,5	1 4511 79
Pump WILO	20	4	1 4514 16
	20	6,3	1 4514 17
	25	4	1 4511 47
	25	6,3	1 4511 48
	25	10	1 4511 49
	32	10	1 4514 26
	32	16	1 4514 27
Pump IMP NMT MINI	20	4	1 4510 96
	20	6,3	1 4510 97
	25	4	1 4511 24
	25	6,3	1 4511 25
	25	10	1 4511 26
	32	10	1 4510 99
	32	16	1 4511 00
Pump WILO Stratos MAXO	40	19,8	1 4511 71
	50	29,5	1 4511 72

PUMPFIX DIRECT	DN	kvs	Order number
without pump	20	7,8	1 4514 11
	25	20	1 4510 25
	32	28	1 4514 21
	40	26,4	1 4510 05
	50	38	1 4510 06
Pump WILO	20	7,8	1 4514 12
	25	20	1 4510 26
	32	28	1 4514 22
Pump IMP NMT MINI	20	7,8	1 4510 22
	25	20	1 4510 29
	32	28	1 4510 98
Pump WILO Stratos MAXO	40	26,4	1 4510 15
	50	38	1 4510 16

PUMPFIX SOLAR	DN	kvs	Order number
without pump	20	-	1 4513 02
Pump WILO	20	-	1 4513 12

PUMPFIX CONSTANT	DN	kvs	Order number
without pump	25	2,6	1 4514 07
Pump WILO	25	2,6	1 4514 08
Pump IMP NMT MINI	25	2,6	1 4514 06

