

Roth 3-way Shunt Unit

For regulation of underfloor heating for systems up to 240 m²

The Roth shunt is used for mixing the water where the heat source has a higher supply temperature than the underfloor heating will use.

The shunt is specifically adapted for Roth underfloor heating manifolds and is equipped with a 3-way valve.

Application

Underfloor heating with all heat source types.

Technical description

The shunt is supplied with a Wilo Para pump 15-130/6-43/SC-12. The pump and shunt have been developed for systems up to 240 m² depending on the relevant heat loss and the pipe dimensions selected.

The 3-way valve mixing valve uses the heat source water in such a way that in some systems types a primary pump is not needed. Where the primary pump is located at the heat source, it can be set to the lowest power if there are no other heating systems in the system, e.g. radiators, otherwise the system's calculated setting is used.

The shunt is provided with a thermostatic valve which allows the supply temperature to be set within a range of 20 to 60°C. The thermostat can be locked.

The shunt is mounted on the left, but it can be reversed easily and mounted on the right instead.

The two pipe connections to the primary system side are provided with ¾" EURO threads which permit a general ¾" pipe joint or connection using Roth distribution couplings (10.5 - 20 mm).

Roth Touchline® SL (wireless) and Roth Touchline® BL (wired) are both fully compatible with the Roth shunt. The pump can be connected to the control units for optimum economy.

› In Roth Touchline® SL & BL systems, the pump can be connected directly and has a 230V power supply via the control unit

There are ¼" and ⅛" plugs on the supply and return on the underfloor heating side which can be used freely as measurement points or automatic vents, or for electronic regulation or expansion with Roth weather compensation.

The shunt is supplied complete with a thermometer, gaskets, thermostat, presetting key and pump.

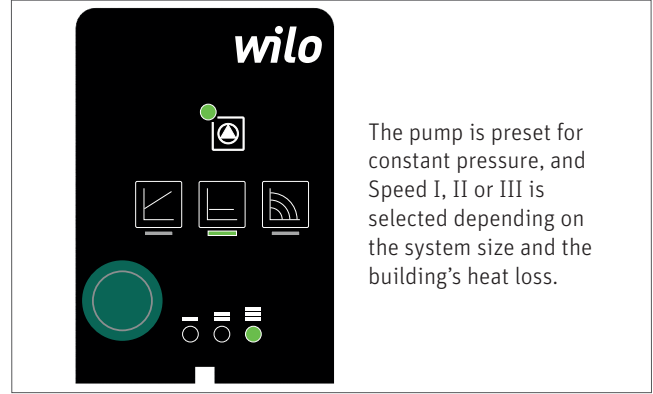
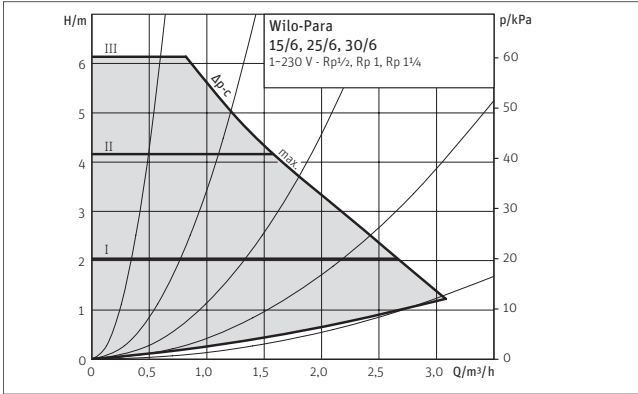


Technical Data

3-way Shunt Unit	HVAC No. 7466210218
Max. operating temperature	80°C
Max. differential pressure	15 -20 kPa
Max. operating pressure	6 bar
Pump	Wilo Para 15-130/6-43/SC-12
Pump output	3 - 43W
Regulation range	20 - 60°C (+/- 5°C)
Primary side connection	¾" OD (1" OD)
Material	Brass CW614
Gasket	EPDM
Medium	Water containing up to 50% glycol
Electrical connection	230V with earthing

Roth 3-way Shunt Unit

Pump Specifications



The pump is preset for constant pressure, and Speed I, II or III is selected depending on the system size and the building's heat loss.

Expansion set C/C 100 mm

