

VLSP, pressure independent valve system on/off

Two way pressure independent control and adjustment valve with on/off actuator, shut-off valve and bypass. DN15/20/25/32. 230V. Used with SIRE Basic and Competent or supplemented with suitable thermostat.

The valve system VLSP consists of the following:

- VKF, valve kit
  - TAC, pressure independent regulation and adjustment valve
  - AV, shut off valve
- SD230, actuator on/off 230V
- BPV10, bypass valve

VKF, valve kit

The valve kit is available in four different valve dimensions, DN15 (1/2"), DN20 (3/4"), DN25 (1") and DN32 (1 1/4").

The valve kit consists of the following:

- TAC, pressure independent regulation and adjustment valve
- AV, shut off valve

TAC, regulation and adjustment valve

The regulation and adjustment valve can be used to finely adjust or shut off the water flow manually. TAC is independent of the available differential pressure, which contributes to stable and accurate regulation (ensures the correct flow to the heater even if the differential pressure in the rest of the pipe system changes). The water flow is set with the grey button on the valve.

AV, shut off valve

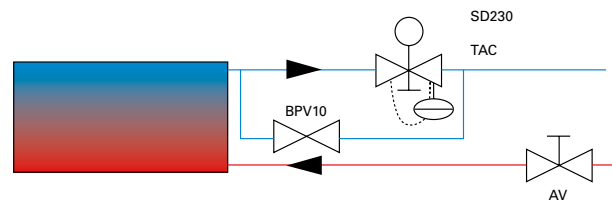
The shut off valve consists of a ball valve which is either open or closed and is used to shut off the flow, when servicing for example.

VKF, valve kit

Type	Description	DN	Flow range [l/s]
<b>VKF15LF</b>	TAC15LF + AV15	DN15	0,012 - 0,068
<b>VKF15NF</b>	TAC15NF + AV15	DN15	0,024 - 0,131
<b>VKF20</b>	TAC20 + AV20	DN20	0,058 - 0,319
<b>VKF25</b>	TAC25 + AV25	DN25	0,103 - 0,597
<b>VKF32</b>	TAC32 + AV32	DN32	0,222 - 1,028

VLSP, complete valve system

Type	Description
<b>VLSP15LF</b>	VKF15LF + SD230 + BPV10
<b>VLSP15NF</b>	VKF15NF + SD230 + BPV10
<b>VLSP20</b>	VKF20 + SD230 + BPV10
<b>VLSP25</b>	VKF25 + SD230 + BPV10
<b>VLSP32</b>	VKF32 + SD230 + BPV10



BPV10, by-pass valve

If the valve is closed, a low flow passes through the by-pass valve (BPV10) so that there is always hot water in the water coil. This is to provide quick heat supply when a door is opened but also to provide a degree of frost protection. The by-pass valve is DN10 (3/8").

SD230, actuator

The actuator controls the heat supply on/off. In unpowered mode SD230 is open.

Type	Description
<b>SD230</b>	Actuator on/off 230V
<b>BPV10</b>	By-pass valve