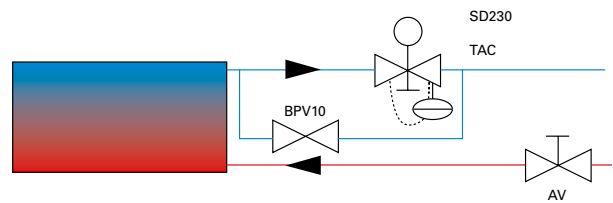


VLSP, pressure independent valve system on/off  
 Two way pressure independent control and adjustment valve with on/off actuator, shut-off valve and bypass.  
 DN15/20/25/32. 230V. Used with SIRE Basic and Competent or supplemented with suitable thermostat.

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

### 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").

### 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.

### SD230, actuator

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

### 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]
VKF15LF	TAC15LF + AV15	DN15	0,012 - 0,068
VKF15NF	TAC15NF + AV15	DN15	0,024 - 0,131
VKF20	TAC20 + AV20	DN20	0,058 - 0,319
VKF25	TAC25 + AV25	DN25	0,103 - 0,597
VKF32	TAC32 + AV32	DN32	0,222 - 1,028

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

### VLSP, complete valve system

Type	Description
VLSP15LF	VKF15LF + SD230 + BPV10
VLSP15NF	VKF15NF + SD230 + BPV10
VLSP20	VKF20 + SD230 + BPV10
VLSP25	VKF25 + SD230 + BPV10
VLSP32	VKF32 + SD230 + BPV10