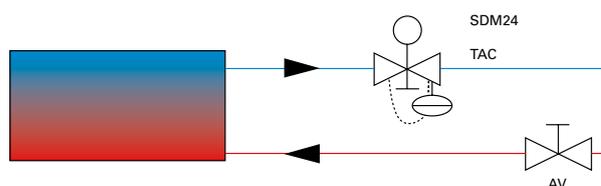


VLP, pressure independent and modulating valve system

Two way pressure independent control and adjustment valve with modulating actuator and shut-off valve. DN15/20/25/32. 24V. Used with SIRE Advanced or supplemented with suitable thermostat.

The valve system VLP consists of the following:

- VKF, valve kit
 - TAC, pressure independent regulation and adjustment valve
 - AV, shut off valve
- SDM24, modulating actuator 24V
- ST23024, 24V transformer for 1-7 actuators



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]
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

SDM24, actuator

The actuator (SDM24) is modulating and gives the right temperature. SIRE is set to always allow through a small leak flow in order to provide a fast heat supply ex. when a door is opened and for some frost protection.

ST23024, 24V transformer for 1-7 actuators

The 24V transformer can be used for up to 7 actuators.

Type	Description
SDM24	Modulating actuator 24V
ST23024	24V transformer for 1-7 actuators

VLP, complete valve system

Type	Description
VLP15LF	VKF15LF + SDM24 + ST23024
VLP15NF	VKF15NF + SDM24 + ST23024
VLP20	VKF20 + SDM24 + ST23024
VLP25	VKF25 + SDM24 + ST23024
VLP32	VKF32 + SDM24 + ST23024