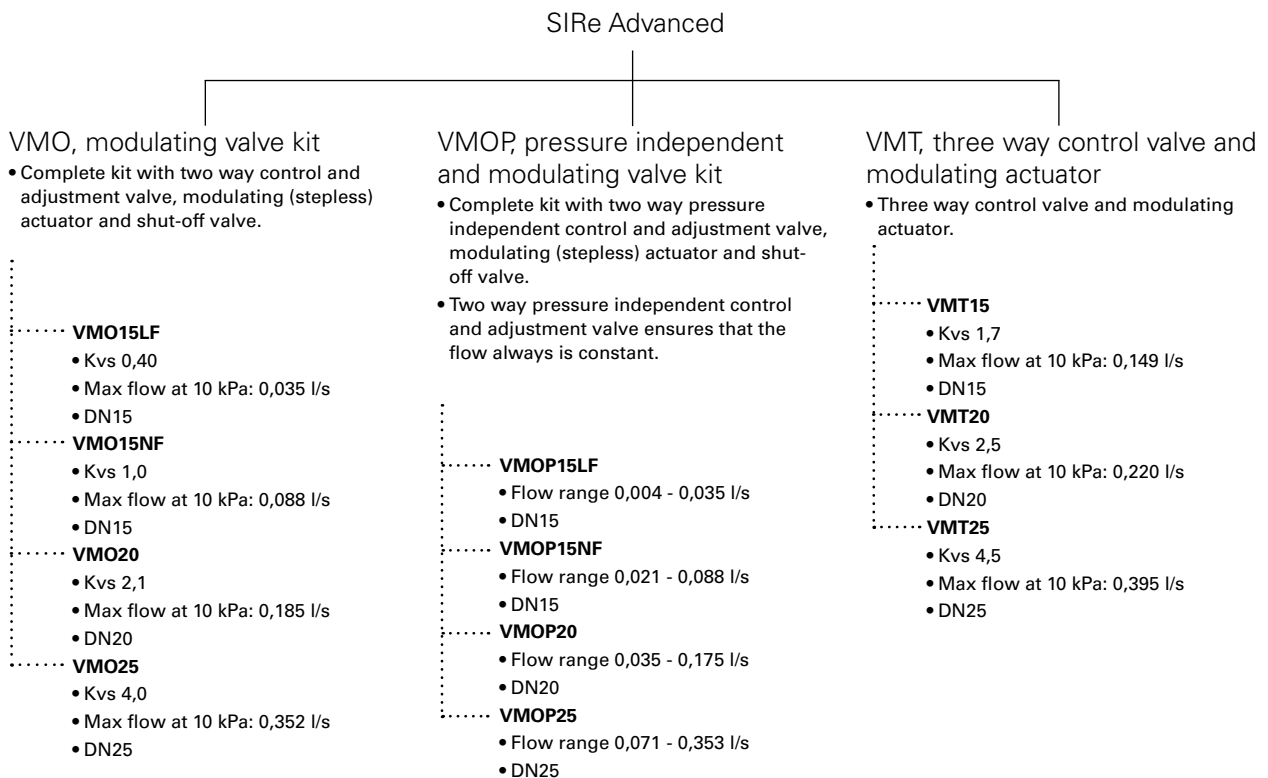
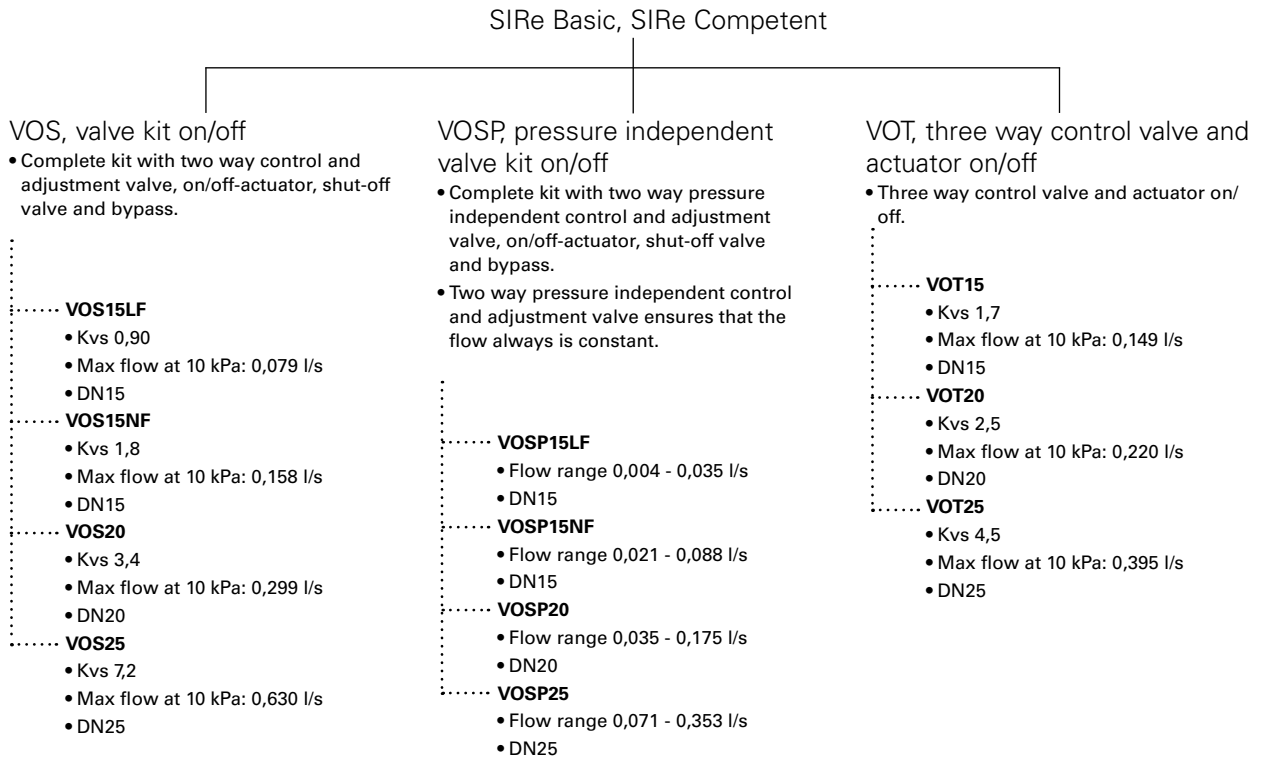
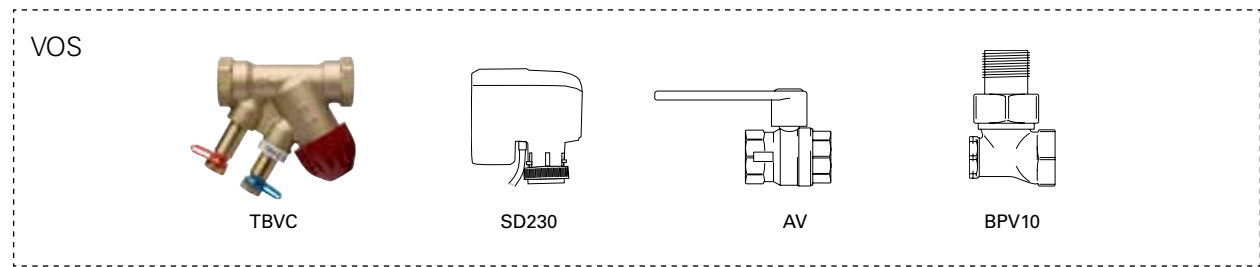


Choose valve kit

Water heated units that are controlled by SIRE are supplemented with valve kits. It's easy to choose the right valve kit. Look at the guide for the level of SIRE chosen - Basic, Competent or Advanced and select the valve kit which suits the system requirements and characteristics.



Water control



VOS, valve kit on/off

Two way combined control and adjustment valve with on/off actuator, shut-off valve and bypass. DN15/20/25. 230V. Used with SIRE Basic and Competent

The valve kit consists of the following:

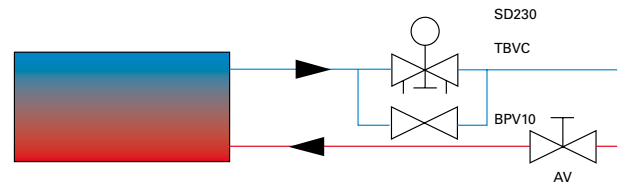
- TBVC, regulation and adjustment valve
- SD230, actuator on/off 230V
- AV, shut off valve
- BPV10, bypass valve

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.

TBVC, regulation and adjustment valve

The regulation and adjustment valve can be used to finely adjust or shut off the water flow manually. The water flow is set using the adjustment tool (option). The regulation and adjustment valve also has a shut off function, which makes maintenance easier, and a self sealing measurement outlet which allows for easy and fast measurements.



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.

SD230, actuator

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

The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). The by-pass valve is DN10 (3/8"). Used with SIRE Basic and Competent or supplemented with suitable thermostat.

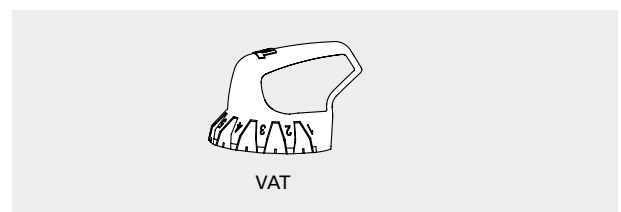
Type	Voltage [V]	Connection	Kvs
VOS15LF*	230V	DN15	0,90
VOS15NF	230V	DN15	1,8
VOS20	230V	DN20	3,4
VOS25	230V	DN25	7,2

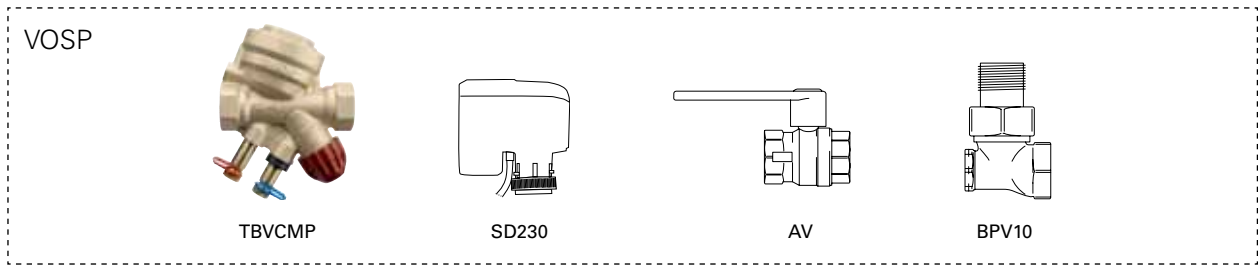
*) Low flow

Accessories

VAT, adjustment tool for valve kit VOS, VOSP, VMO, VMOP

With the adjustment tool the water flow can be accurately and easily set.





VOSP, pressure independent valve kit on/off
 Two way pressure independent control and adjustment valve with on/off actuator, shut-off valve and bypass. DN15/20/25. 230V. Used with SIRE Basic and Competent.

The valve kit consists of the following:

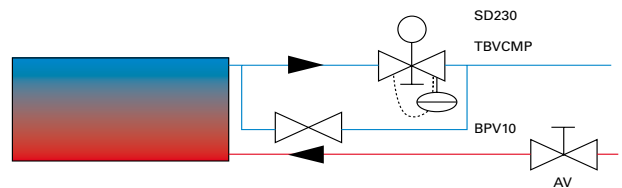
- TBVCMP, pressure independent regulation and adjustment valve
- SD230, actuator on/off 230V
- AV, shut off valve
- BPV10, bypass valve

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.

TBVCMP, regulation and adjustment valve

The regulation and adjustment valve can be used to finely adjust or shut off the water flow manually. TBVCMP 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 using the adjustment tool (option). With the regulation and adjustment valve easy flush-through is also possible, which makes for easy and fast maintenance.



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.

SD230, actuator

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

The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). The by-pass valve is DN10 (3/8"). Used with SIRE Basic and Competent or supplemented with suitable thermostat.

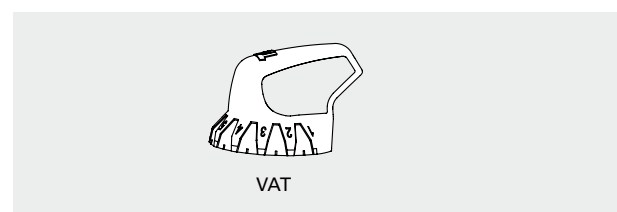
Type	Voltage [V]	Connection
VOSP15LF*	230V	DN15
VOSP15NF	230V	DN15
VOSP20	230V	DN20
VOSP25	230V	DN25

*) Low flow

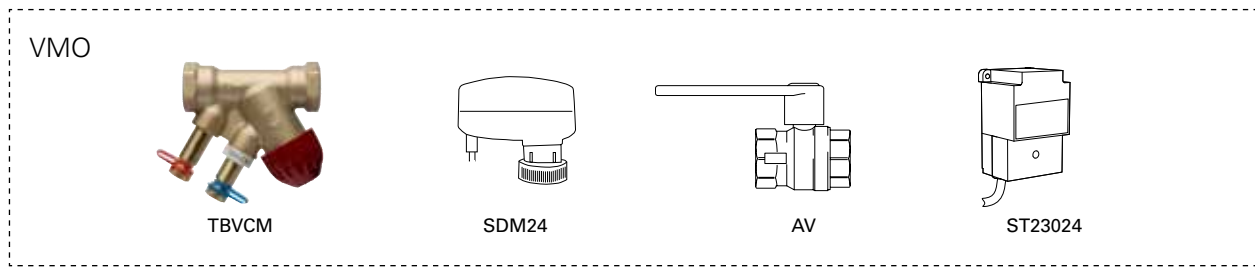
Accessories

VAT, adjustment tool for valve kit VOS, VOSP, VMO, VMOP

With the adjustment tool the water flow can be accurately and easily set.



Water control



VMO, modulating valve kit
Two way combined control and adjustment valve with modulating actuator and shut-off valve. DN15/20/25. 24V. Used with SIRE Advanced.

The valve kit consists of the following:

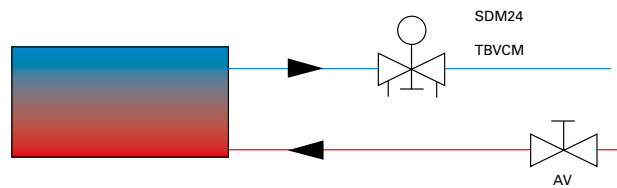
- SDM24, modulating actuator 24V
- TBVCM, regulation and adjustment valve
- AV, shut off valve
- ST23024, 24V transformer for valve actuator (in valve kit with 24V)

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.

TBVCM, regulation and adjustment valve

The regulation and adjustment valve can be used to finely adjust or shut off the water flow manually. The water flow is set using the adjustment tool (option). The regulation and adjustment valve also has a shut off function, which makes maintenance easier, and a self sealing measurement outlet which allows for easy and fast measurements.



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.

The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). Used with SIRE Advanced or supplemented with suitable thermostat.

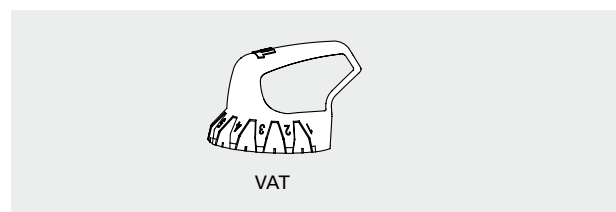
Type	Voltage [V]	Connection	Kvs
VMO15LF*	24V	DN15	0,40
VMO15NF	24V	DN15	1,0
VMO20	24V	DN20	2,0
VMO25	24V	DN25	4,0

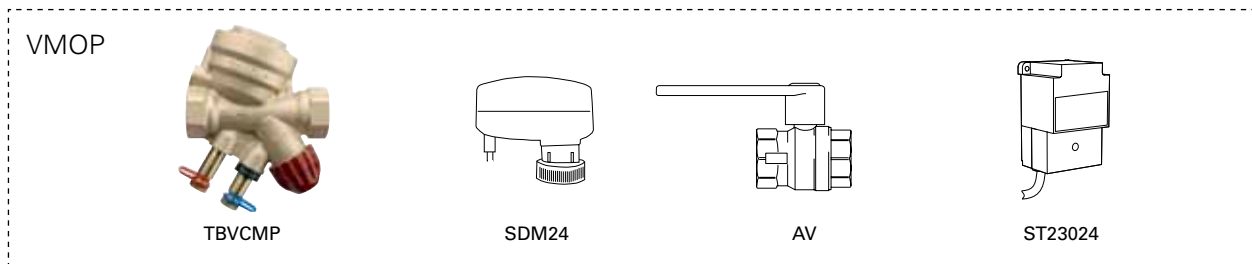
*) Low flow

Accessories

VAT, adjustment tool for valve kit VOS, VOSP, VMO, VMOP

With the adjustment tool the water flow can be accurately and easily set.





VMOP, pressure independent and modulating valve kit
 Two way pressure independent control and adjustment valve with modulating actuator and shut-off valve. DN15/20/25. 24V. Used with SIRE Advanced.

The valve kit consists of the following:

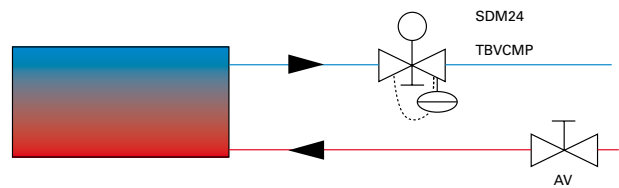
- TBVCMP, pressure independent regulation and adjustment valve
- SDM24, modulating actuator 24V
- AV, shut off valve
- ST23024, 24V transformer for valve actuator (in valve kit with 24V)

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.

TBVCMP, regulation and adjustment valve

The regulation and adjustment valve can be used to finely adjust or shut off the water flow manually. TBVCMP 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 using the adjustment tool (option). With the regulation and adjustment valve easy flush-through is also possible, which makes for easy and fast maintenance.



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.

The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). Used with SIRE Advanced or supplemented with suitable thermostat.

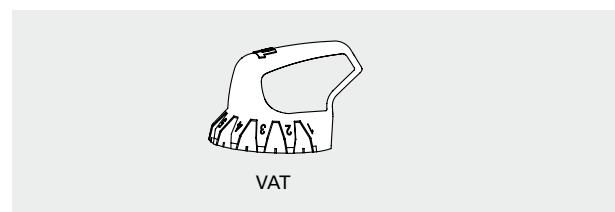
Type	Voltage [V]	Connection
VMOP15LF*	24V	DN15
VMOP15NF	24V	DN15
VMOP20	24V	DN20
VMOP25	24V	DN25

*) Low flow

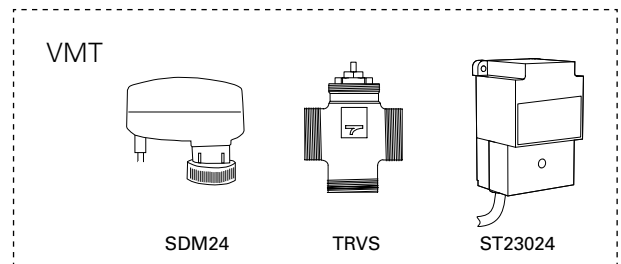
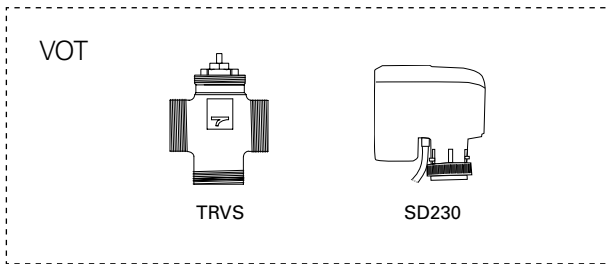
Accessories

VAT, adjustment tool for valve kit VOS, VOSP, VMO, VMOP

With the adjustment tool the water flow can be accurately and easily set.



Water control



VOT, three way control valve and actuator on/off
3-way control valve with on/off actuator, DN15/20/25.
230V.

The valve kit consists of the following:

- TRVS, 3-way control valve
- SD230, actuator on/off 230V

TRVS, 3-way control valve

The 3-way valve and the actuator controls the waterflow and provides a basic form of water regulation, without the possibility of adjusting or shutting the water flow off, e.g. when making maintenance.

SD230, actuator

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

The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). Used with SIRE Basic and Competent or supplemented with suitable thermostat.

VMT, three way control valve and modulating actuator
3-way control valve with modulating actuator.
DN15/20/25. 24V.

The valve kit consists of the following:

- TRVS, 3-way control valve
- SDM24, modulating actuator 24V
- ST23024, 24V transformer for valve actuator (in valve kit with 24V)

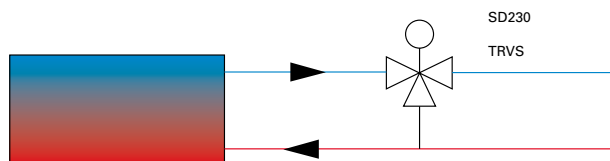
TRVS, 3-way control valve

The 3-way valve and the actuator controls the waterflow and provides a basic form of water regulation, without the possibility of adjusting or shutting the water flow off, e.g. when making maintenance.

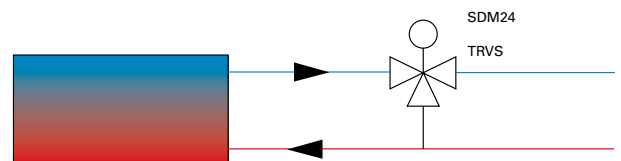
SDM24, actuator

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.

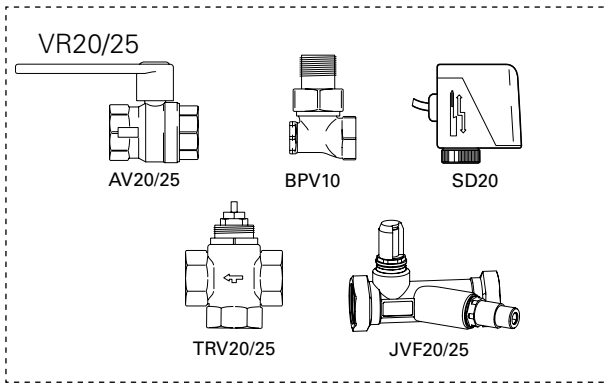
The valve kit is available in three different valve dimensions, DN15 (1/2"), DN20 (3/4") and DN25 (1"). Used with SIRE Advanced or supplemented with suitable thermostat.



Type	Connection	Kvs
VOT15	DN15	1,7
VOT20	DN20	2,5
VOT25	DN25	4,5



Type	Connection	Kvs
VMT15	DN15	1,7
VMT20	DN20	2,5
VMT25	DN25	4,5



VR 20/25, valve kit*

For control of water flow to water heated air curtains.

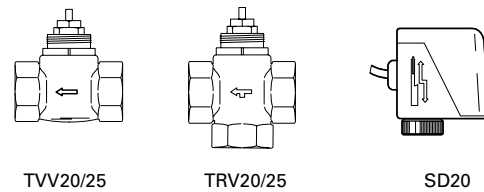
The valve kit consists of the following:

- AV20/25, stop valve
- JVF20/25, adjustment valve
- TRV20/25, on/off 3-way control valve
- BPV10, by-pass valve
- SD20, actuator on/off 230V~

The stop valve (AV20/25) consists of a ball valve which is either open or closed. It is used to turn the water flow off and on. The water flow can be fine-tuned manually with the adjustment valve and can also be completely turned off. The water flow may be read off the valve. The kv value for JVF20 is 3,5 and for JVF25 it is 5,5.

If the 3-way valve (TRV20/25) is closed, the flow through the by-pass valve (BPV10) is low to ensure presence of warm water in the heating coil. This leads to instant heat supply when needed and some degree of frost protection. The actuator (SD20) works on/off.

The valve kit is available with two different valve dimensions: VR 20 - DN20 (3/4") and VR 25 - DN25 (1"). The by-pass valve dimension is DN10 (3/8"). To regulate VR20/25, a suitable thermostat has to be added.



TVV20/25, valves + SD20, actuator*

TVV20/25, 2-way regulation valve and SD20, actuator on/off provides a basic form of water regulation, without the possibility of adjusting or shutting the water flow off, e.g. when making maintenance. A suitable thermostat is chosen to regulate TVV20/25 and SD20. DN20/25.

TVV20/25, 2-way control valve*

TVV20 has a pipe dimension of DN20 (3/4") and TVV25 of DN25 (1"). Pressure class PN16.

Maximum pressure 2 MPa (20 bar).

Maximum pressure drop TVV20: 100 kPa (1 bar)

Maximum pressure drop TVV25: 62 kPa (0,62 bar)

The kv-value is adjustable in 3 steps:

TVV20: kv 1,6, kv 2,5 and kv 3,5

TVV25: kv 2,5, kv 4,0 and kv 5,5

TRV20/25, 3-way control valve*

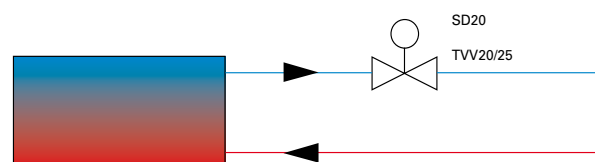
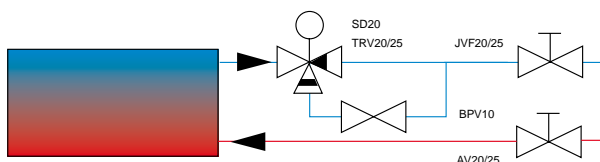
If a 3-way valve is preferred, TRV20/25 can be used instead of TVV20/25.

SD20, actuator on/off 230V~*

SD20 regulates the heat supply. Works on/off. A 5 second closing of the valve prevents sudden pressure changes in the pipe system. In unpowered mode SD20 is closed.

TE3434

Flexible hose, length 0,8 metres, for water heated units (2 is needed for a unit) with external thread 3/4" (DN20) at one end and coupling nut internal thread 3/4" (DN20), on the other.



*) These products can not be used together with SIRE control system.