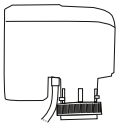
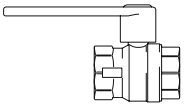
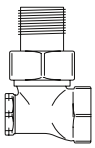
VOS


TBVC


SD230


AV


BPV10

VOS, valve package on/off

Used to control the water supply to water heated units. Two way combined control and adjustment valve with on/off actuator, shut-off valve and bypass. DN15/20/25. 230V.

The valve set consists of the following:

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

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

The regulation and adjustment valve (TBVC) can be used to finely adjust or shut off the water flow manually. The water flow is set using the adjustment tool (option).

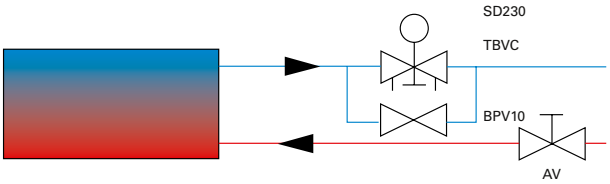
The regulation and adjustment valve (TBVC) also has a shut off function, which makes maintenance easier, and a self sealing measurement outlet which allows for easy and fast measurements.

If the valve (TBVC) 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 actuator (SD) controls the heat supply on/off. In unpowered mode SD230 is open.

The valve set 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.

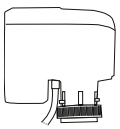


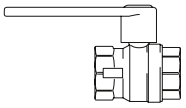
Type	Flow	Voltage [V]	Connection	Kvs
VOS15LF	Low flow	230 V	DN15	0,90
VOS15NF	Normal flow	230 V	DN15	1,8
VOS20	Normal flow	230 V	DN20	3,4
VOS25	Normal flow	230 V	DN25	7,2

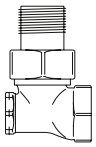
For further information about our valve packages, see our website www.frico.se or contact Frico.

VOSP


TBVCMP


SD230


AV


BPV10

VOSP, pressure independent valve package on/off

Used to control the water supply to water heated units. Two way pressure independent control and adjustment valve with on/off actuator, shut-off valve and bypass. DN15/20/25. 230V.

The valve set consists of the following:

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

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

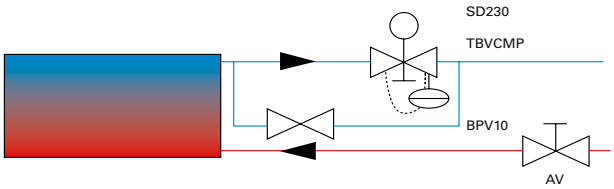
The regulation and adjustment valve (TBVCMP) can be used to finely adjust or shut off the water flow manually. TBVCMP is independent of the available differential pressure, which contributes to stable and accurate regulation (ensures the correct flow to the heater even if the differential pressure in the rest of the pipe system changes). The water flow is set using the adjustment tool (option). With the regulation and adjustment valve (TBVCMP) easy flush-through is also possible, which makes for easy and fast maintenance.

If the valve (TBVCMP) 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 actuator (SD) controls the heat supply on/off. In unpowered mode SD230 is open.

The valve set 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.

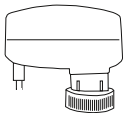


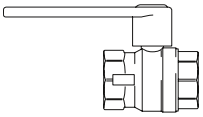
Type	Flow	Voltage [V]	Connection
VOSP15LF	Low flow	230 V	DN15
VOSP15NF	Normal flow	230 V	DN15
VOSP20	Normal flow	230 V	DN20
VOSP25	Normal flow	230 V	DN25

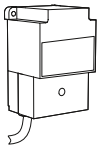
For further information about our valve packages, see our website www.frico.se or contact Frico.

VMO


TBVCM


SDM24


AV


ST23024

VMO, modulating valve package

Used to control the water supply to water heated units. Two way combined control and adjustment valve with modulating actuator and shut-off valve. DN15/20/25. 24V.

The valve set 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 set with 24V)

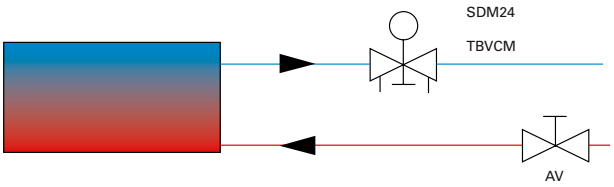
The shut off valve (AV) consists of a ball valve which is either open or closed and is used to shut off the flow, when servicing for example.

The regulation and adjustment valve (TBVCM) 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 (TBVCM) also has a shut off function, which makes maintenance easier, and a self sealing measurement outlet which allows for easy and fast measurements.

The actuator (SDM24) is modulated and gives the correct heat. SDM can be set to always allow a small leakage flow through. This is to provide quick heat supply when a door is opened but also to provide a degree of frost protection.

The valve set 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.

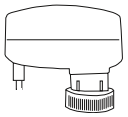


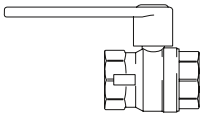
Type	Flow	Voltage [V]	Connection	Kvs
VMO15LF	Low flow	24 V	DN15	0.40
VMO15NF	Normal flow	24 V	DN15	1.0
VMO20	Normal flow	24 V	DN20	2.0
VMO25	Normal flow	24 V	DN25	4.0

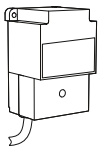
For further information about our valve packages, see our website www.frico.se or contact Frico.

VMOP


TBVCMP


SDM24


AV


ST23024

VMOP, pressure independent and modulating valve package

Used to control the water supply to water heated units. Two way pressure independent control and adjustment valve with modulating actuator and shut-off valve. DN15/20/25. 24V.

The valve set 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 set with 24V)

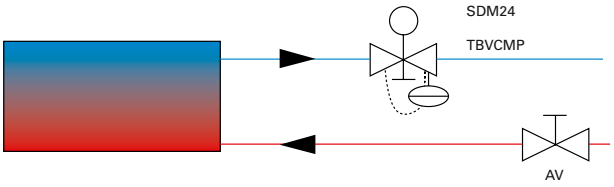
The shut off valve (AV) consists of a ball valve which is either open or closed and is used to shut off the flow, when servicing for example.

The regulation and adjustment valve (TBVCMP) 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 (TBVCMP) easy flush-through is also possible, which makes for easy and fast maintenance.

The actuator (SDM24) is modulated and gives the correct heat. SDM can be set to always allow a small leakage flow through. This is to provide quick heat supply when a door is opened but also to provide a degree of frost protection.

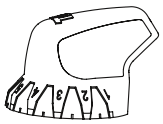
The valve set is available in three different valve dimensions, DN15 (1/2”), DN20 (3/4”) and DN25 (1”).

Used with SIRe Advanced or supplemented with suitable thermostat.

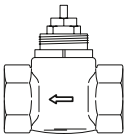


Type	Flow	Voltage [V]	Connection
VMOP15LF	Low flow	24 V	DN15
VMOP15NF	Normal flow	24 V	DN15
VMOP20	Normal flow	24 V	DN20
VMOP25	Normal flow	24 V	DN25

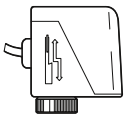
For further information about our valve packages, see our website www.frico.se or contact Frico.



VAT



TVV20/25



SD20

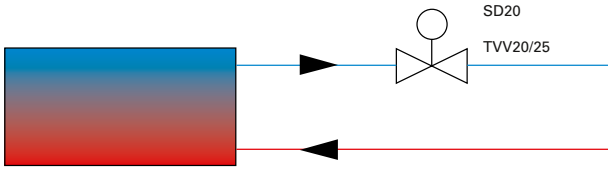
Water regulation - options

VAT, adjustment tool for valve package VOS, VOSP, VMO, VMOP
With the adjustment tool the water flow can be accurately and easily set.

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

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. Protection class: IP40.



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