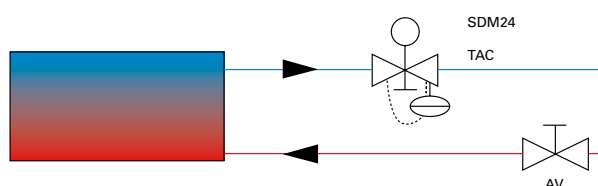
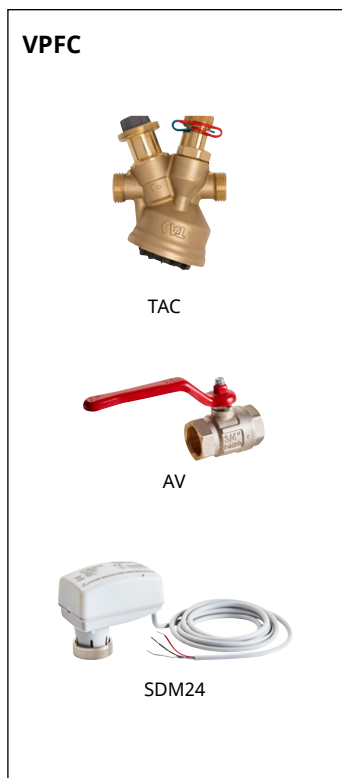


## VPFC, pressure independent and modulating valve system

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



The valve system VPFC consists of the following:

- TAC, pressure independent regulation and adjustment valve
- AV, shut off valve
- SDM24, modulating actuator 24V

### 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.

### SDM24, actuator

The actuator (SDM24) is modulating and gives the right temperature. FC control system 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.

# VPFC

## VPFC, complete valve system

Item number	Type	Description	Dimension valve body	Flow range l/s [l/s]
238293	<b>VPFC15LF</b>	TAC15LF + AV15 + SDM24	DN15	0,012 - 0,068
238294	<b>VPFC15NF</b>	TAC15NF + AV15 + SDM24	DN15	0,024 - 0,131
238295	<b>VPFC20</b>	TAC20 + AV20 + SDM24	DN20	0,058 - 0,319
238296	<b>VPFC25</b>	TAC25 + AV25 + SDM24	DN25	0,103 - 0,597
238297	<b>VPFC32</b>	TAC32 + AV32 + SDM24	DN32	0,222 - 1,028

Type	Water flow	Dimension valve body	Connection dimensions, outside thread
<b>TAC15LF</b>	Low flow	DN15	G20 3/4"
<b>TAC15NF</b>		DN15	G20 3/4"
<b>TAC20</b>		DN20	G25 1"
<b>TAC25</b>		DN25	G32 1 1/4"
<b>TAC32</b>		DN32	G40 1 1/2"

Type	Dimension valve body	Connection dimensions, inside thread
<b>AV15</b>	DN15	G15 1/2"
<b>AV20</b>	DN20	G20 3/4"
<b>AV25</b>	DN25	G25 1"
<b>AV32</b>	DN32	G32 1 1/4"

## Accessories

### UNSG-R, UNSG, ANS, connection kits for valve system

UNSG-R: union set with swiveling nut and female thread.

UNSG: union set with swiveling nut and press end.

ANS: adapter nippel set with male thread and press end.



Item number	Type	Description	Consists of
333340	<b>UNSG20R15</b>	Union set G20 x R15	2
333341	<b>UNSG25R20</b>	Union set G25 x R20	2
333342	<b>UNSG32R25</b>	Union set G32 x R25	2
333343	<b>UNSG40R32</b>	Union set G40 x R32	2
333344	<b>UNSG2015</b>	Union set G20 x 15mm	2
333345	<b>UNSG2518</b>	Union set G25 x 18mm	2
333346	<b>UNSG2522</b>	Union set G25 x 22mm	2
333347	<b>UNSG3228</b>	Union set G32 x 28mm	2
333348	<b>UNSG4035</b>	Union set G40 x 35mm	2
333349	<b>ANS1515</b>	Adapter nippel set R15	2
333350	<b>ANS2018</b>	Adapter nippel set R20	2
333351	<b>ANS2022</b>	Adapter nippel set R20	2
333352	<b>ANS2528</b>	Adapter nippel set R25	2
333353	<b>ANS3235</b>	Adapter nippel set R32	2