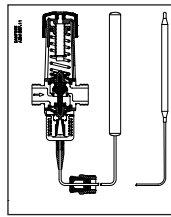
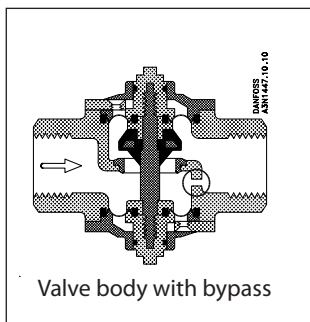
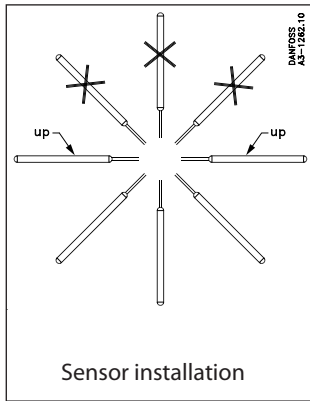


**Ordering
AVTA with universal charge**


- Sensor dimensions $\varnothing 18 \times 210$ mm
- Sensor can be installed colder or warmer than the valve
- Sensors must be orientated as shown in sketch below
- Max. pressure on sensor 25 bar.

The charge is a mix of liquid and gas where the liquid surface (regulating point) is always inside the sensor. Wich charge medium is used depends on the regulation range.

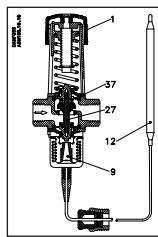


Connection ISO 228	Regulating range [°C]	Max.temp. sensor [°C]	k_v value (m ³ /h at $\Delta p = 1$ bar)	Capillary tube length [m]	Type	Code no. ¹⁾
G 3/8	+0 → +30	57	1.4	2.0	AVTA 10	003N1132
G 1/2			1.9		AVTA 15	003N2132
G 3/4			3.4		AVTA 20	003N3132
G 1			5.5		AVTA 25	003N4132
G1			5.5	2.0 armoured	AVTA 25	003N4133
G 3/8	+25 → +65	90	1.4	2.0	AVTA 10	003N1162
G 1/2			1.9	2.0	AVTA 15	003N2162
G 1/2			1.9	2.0 (armoured)	AVTA 15	003N0041
G 3/4			3.4	2.0	AVTA 20	003N3162
G 3/4			3.4	5.0	AVTA 20	003N3165
G 3/4			3.4	2.0 (armoured)	AVTA 20	003N0031
G 1			5.5	2.0	AVTA 25	003N4162
G 1			5.5	2.0 (armoured)	AVTA 25	003N0032
G 1			5.5	5.0	AVTA 25	003N4165
G 3/8			+50 → +90	125	1.4	2.0
G1/2	1.9	2.0			AVTA 15	003N2182
G 3/4	3.4	2.0			AVTA 20	003N3182
G 1	5.5	2.0			AVTA 25	003N4182
G 1	5.5	3.0			AVTA 25	003N4183 ²⁾

1) Code no. covers complete valve incl. capillary tube gland.

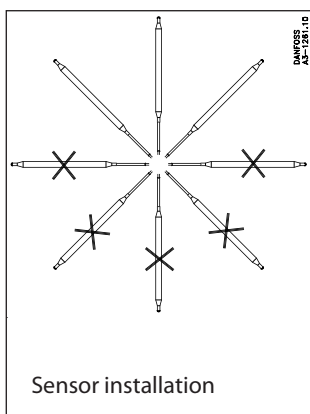
2) A $\varnothing 2$ mm bypass is drilled in the valve body.

Immersion pockets, see "Spare parts and accessories", page 11-12.

**Ordering
AVTA with mass charge**


- Small sensor dimensions - $\varnothing 9,5 \times 180$ mm
- Short time constant
- Sensor must always be installed warmer than the valve
- Max. pressure on sensor 25 bar

The Charge is a mix of liquid and gas. Due to the volumetric conditions the sensor must be installed warmer than the valve, since the liquid Surface (regulation point) must be in the Sensor.



Connection ISO 228	Regulating range [°C]	Max.temp. sensor [°C]	k_v value (m ³ /h at $\Delta p = 1$ bar)	Capillary tube length [m]	Type	Code no. ¹⁾
G 1/2	+0 → +30	57	1.9	2.0	AVTA 15	003N0042
G 3/4			3.4		AVTA 20	003N0043
G 1/2	+25 → +65	90	1.9	2.0	AVTA 15	003N0045
G 1/2			1.9		2.0 (armoured)	AVTA 15
G 1/2			1.9	5.0	AVTA 15	003N0034
G 3/4			3.4	2.0	AVTA 20	003N0046
G 1			5.5	2.0	AVTA 25	003N0047

1) Code no. covers complete valve incl. capillary tube gland.