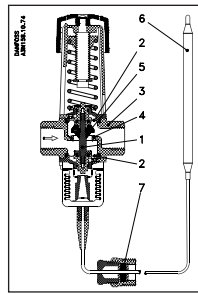
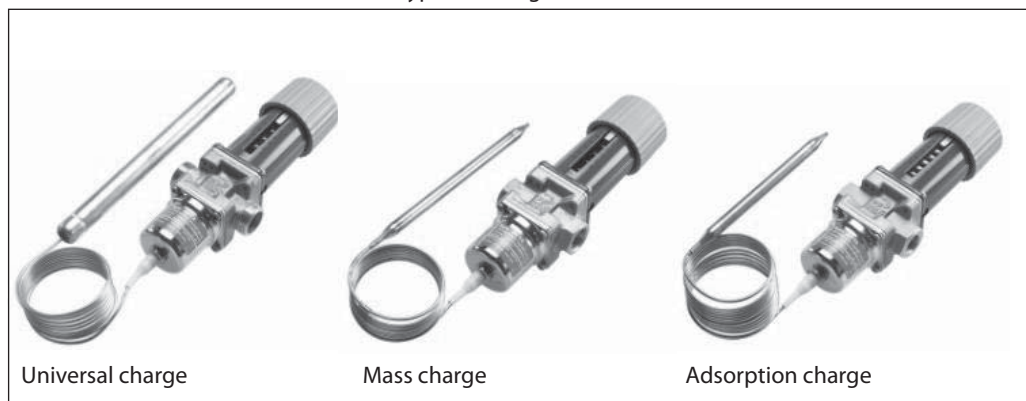


Materials


No.	Description	Material
1	Spindle	Brass W.no. 2.0401
2	Diaphragms	Rubber - ethylene - propylene (EPDM).
3	Valve body and other metal parts	Forged brass W.no. 2.0402
4	Valve cone	Nitrile rubber (NBR)
5	Valve seat	Stainless steel W.no. 1.4305/AISI 303
6	Sensor	Copper W.no. 2.0090
7	Capillary tube gland	Nitrile rubber (NBR) Brass W.no. 2.0321 / 2.0401

Charges

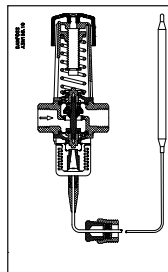
Thermostatic valve AVTA with different types of charge



Universal charge

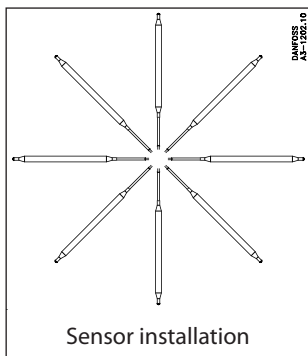
Mass charge

Adsorption charge

**Ordering
AVTA with adsorption charge**


- Wide regulating range
- Can be installed in any position as far as orientation and - temperature are concerned
- Withstands up to +130°C sensor temperature
- Small sensor dimensions
- Ø 9,5 x 150 mm
- Max. pressure on sensor 25 bar.

The charge consists of active carbon and CO₂ which is adsorbed on falling sensor temperature and thereby produce pressure changes in the element.



Sensor installation

Connection ISO 228	Regulating range [°C]	Max. temp. sensor [°C]	k _v value (m ³ /h at Δp = 1 bar)	Capillary tube length [m]	Type	Code no. ¹⁾
G 3/8	+10 → +80	130	1.4	2.3	AVTA 10	003N1144
G 1/2			1.9	2.3	AVTA 15	003N0107
G 1/2			1.9	2.3 armoured	AVTA 15	003N2114
G 3/4			3.4	2.3	AVTA 20	003N0108
G 1			5.5	2.3	AVTA 25	003N0109

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

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

Features

AVTA SS for aggressive media.

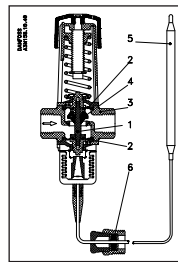
- Insensitive to dirt
- Insensitive to water pressure
- Needs no power supply - self acting
- Opens on rising sensor temperature
- Differential pressure: 0 to 10 bar
- Max. working pressure: 16 bar
- Max. test pressure: 25 bar
- Max. pressure on sensor: 25 bar
- The valves are pressure-relieved, i.e. the degree of opening is not affected by differential pressure Δp (pressure drop).
- The regulation range is defined for the point at which the valve begins to open.

Application
AVTA SS for aggressive media.

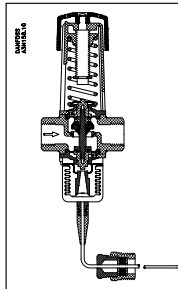
A valve body in stainless steel means that the valve can be used for aggressive media in such applications as the marine sector and the chemical industry.

AVTA SS valves have an adsorption charge as standard.

For special request we have also AVTA SS with mass and universal charges available.

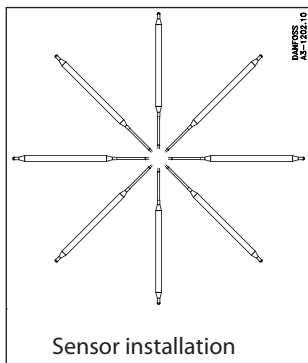
Materials


No.	Description	Material
1	Spindle	Stainless steel W.no. 1.4539
2	Diaphragms	Rubber - ethylene - propylene (EPDM).
3	Valve body	Stainless steel W.no. 1.4581
4	Valve cone	Nitrile rubber (NBR)
5	Sensor	Copper W.no. 2.0090
6	Capillary tube gland	Nitrile rubber (NBR), Brass W.no. 2.0321 / 2.0401

Ordering
AVTA in stainless steel with adsorption charge


- Wide regulating range
- Can be installed in any position as far as orientation and temperature are concerned
- Withstands up to +130°C sensor temperature
- Small sensor dimensions - \varnothing 9,5 x 150 mm
- Max. pressure on sensor 25 bar.

The charge consists of active carbon and CO₂ which is adsorbed on falling sensor temperature and thereby produce pressure changes in the element.



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	+10 to +80	130	1.9	2.3	AVTA 15	003N2150
G 3/4			3.4		AVTA 20	003N3150
G 1			5.5		AVTA 25	003N4150

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

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