

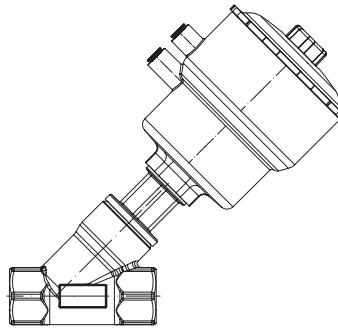
Pneumatic process valve, Y-pattern
DN 15 - 50

ARI-STEVI® AS 350

Pneumatic actuator

- with screwed sockets

- Piston actuator
- Required air supply pressure, max. 10 bar
- 3 differential pressure levels, max. 16 bar



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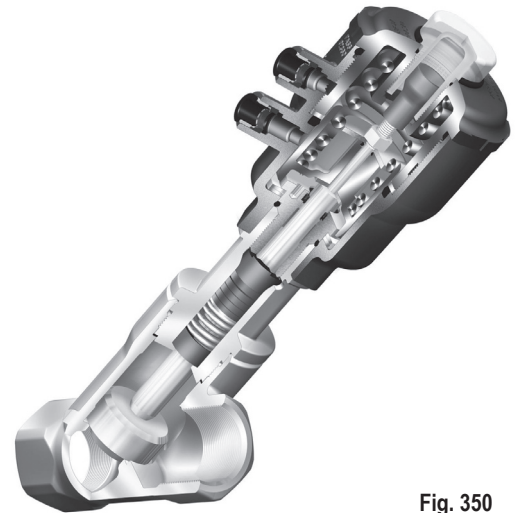


Fig. 350

ARI-STEVI® AS 350

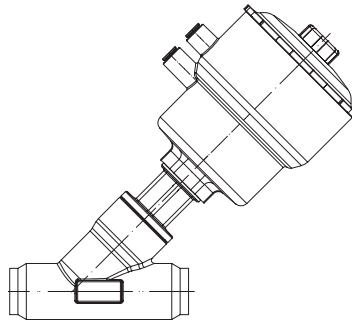
Pneumatic actuator

- with butt weld ends

Pipe connection acc. to ISO 4200

Pipe connection acc. to DIN 11850

- Piston actuator
- Required air supply pressure, max. 10 bar
- 3 differential pressure levels, max. 16 bar



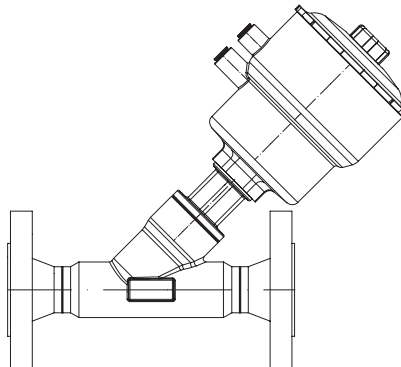
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ARI-STEVI® AS 350

Pneumatic actuator

- with flanges

- Piston actuator
- Required air supply pressure, max. 10 bar
- 3 differential pressure levels, max. 16 bar



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Clamp connection acc. to DIN 32676 or BS4825-3 on request.

Features:

- Compact design
- Roller burnished stem
- Spring loaded PTFE-V ring packing unit
- Optical position indicator
- Mounting in any position, preferably actuator upwards
- Viscosity to 600 mm²/s

Pneumatic process valve, Y-pattern with screwed sockets and pneumatic actuator

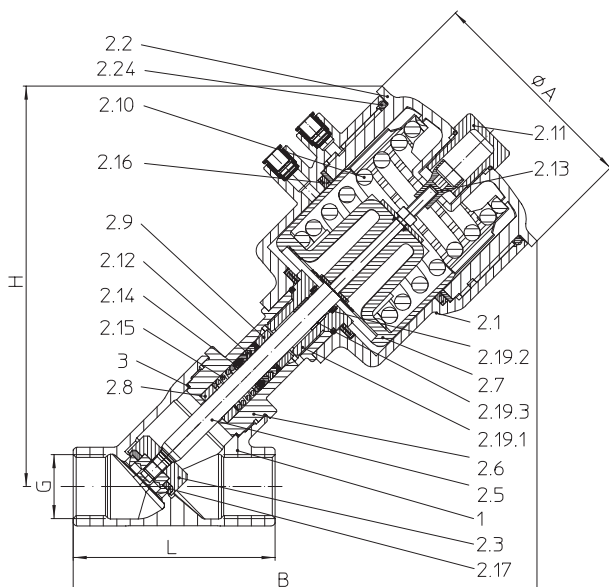


Figure	Nominal pressure	Material	Nominal diameter
52.350...2	PN16	1.4408	DN15-50
72.350...2	PN16	CC491K	DN15-50
Stem sealing			
• PTFE-V-ring unit -10°C to 180°C			
Plug design			
• Isolation plug with PTFE-soft sealing			
Shut off class (seat / plug leakage classes)			
• Metal / PTFE - Leakage class A acc. to DIN EN 12266-1			
• Metal / FPM - Leakage class A acc. to DIN EN 12266-2 (optional)			
Actuator material			
• PA66 GF (Max. permissible ambient temperature +60°C)			

Selection of possible applications

 Industrial installations, processing technology, plant manufacturing, etc.
 (other applications on request)

Selection of possible flow media

 Cooling water, Warm water, Hot water, Steam, Oil, Air, Neutral gases, Alkalis, Alcohol, etc.
 (other flow media on request)

Fig. 350 Spring closes on air failure (NC)

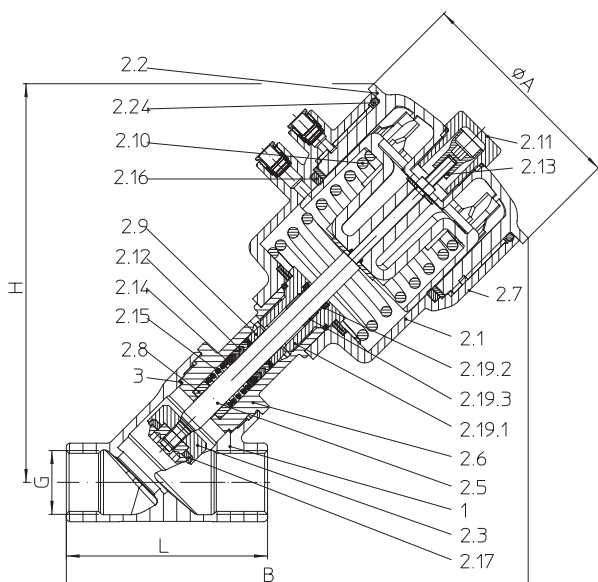


Fig. 350 Spring opens on air failure (optional) (NO)

Dimensions and weights

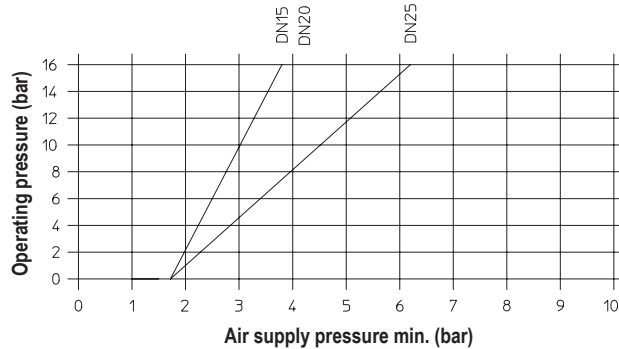
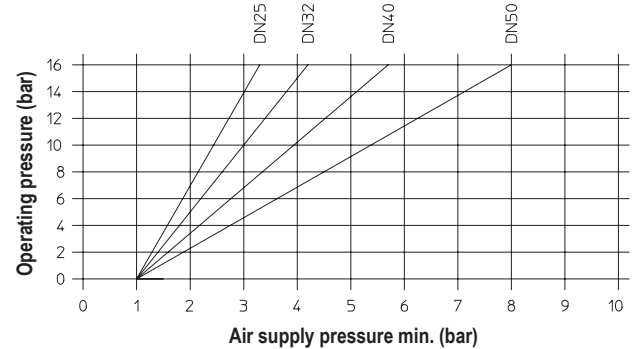
DN		15	20	25		32	40	50
Actuator		ATG50	ATG50	ATG50	ATG80	ATG80	ATG80	ATG80
L	(mm)	85	95	105		120	130	150
H	(mm)	162	162	173	208	217	218	228
B	(mm)	191	196	206	241	256	260	279
ØA	(mm)	75	75	75	114	114	114	114
G	(inch)	1/2	3/4	1		1 1/4	1 1/2	2
Weight (1.4408)	(kg)	1,4	1,5	1,8	2,7	3,3	3,6	4,6
Weight (CC491K)	(kg)	1,4	1,6	1,9	2,7	3,4	3,7	4,8

Face-to-face dimension series M4 acc. to DIN 3202 T4

Closing pressure (Function: Spring closes on air failure (NC), on flow-to-open)

DN		15			20			25			32			40			50			
Actuator		ATG50			ATG50			ATG50			ATG80			ATG80			ATG80			
max. operating pressure	(bar)	6	10	16	6	10	16	6	10	16	6	10	16	6	10	16	6	10		
Kvs-value	(m³/h)	6,2			9,6			19,7			20,7			24,8			36,1		54,3	
Travel	(mm)	15			15			15			20			20			20		20	
Air supply pressure min.	(bar)	2,9	4,5	6,8	2,9	4,5	6,8	5,7	8,8	2	3,1	4,8	2,8	4,3	7,4	4,3	7,4	8,8	7	8,8

Closing pressure diagram (Function: Spring opens on air failure (NO), on flow-to-open)

Actuator ATG 50

Actuator ATG 80

Parts

Pos.	Description	Fig. 52.350....2	Fig. 72.350....2
1	Body	GX5CrNiMo19-11-2, 1.4408	CuSn5Zn5Pb5-C, CC491K
2.1 *	Actuator housing	PA66 GF	
2.2 *	Actuator cover	PA66 GF	
2.3 *	Plug	X6CrNiMoTi17-12-2, 1.4571	CuSn5Zn5Pb5-C, CC491K
2.5 *	Stem	X2CrNiMo17-12-2, 1.4404	
2.6 *	Hood	GX5CrNiMo19-11-2, 1.4408	CuSn5Zn5Pb5-C, CC491K
2.7 *	Piston	PA66 GF	
2.8 *	Bushing	PTFE	
2.9 *	Guide bushing	PA66 GF	
2.10 *	Spring	SH	
2.11 *	Sight glass	PA transparent	
2.12 *	V-ring unit	PTFE	
2.13 *	Indication	PA66	
2.14 *	Washer	1.4301	
2.15 *	Spring	X10CrNi18-8, 1.4310	
2.16 *	Sealing ring	NBR	
2.17 *	Sealing ring	PTFE	
2.19.1 *	Screw joint	X6CrNiMoTi17-12-2, 1.4571	CuSn5Zn5Pb5-C, CC491K
2.19.2 *	Rod seal	FPM	
2.19.3 *	Cylinder bushing	Stainless steel / PTFE	
2.24 *	O-ring	NBR	
3	Gasket	PTFE / Graphite	

* Spare parts (Pos. 2.1 to 2.24 will be supplied as unit)

Information / restriction of technical rules need to be observed!

A production allowance acc. to TRB 801 No. 45 exists (CC491K acc. to TRB 801 No. 45 is not allowed.)

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

Pneumatic process valve, Y-pattern with butt weld ends and pneumatic actuator

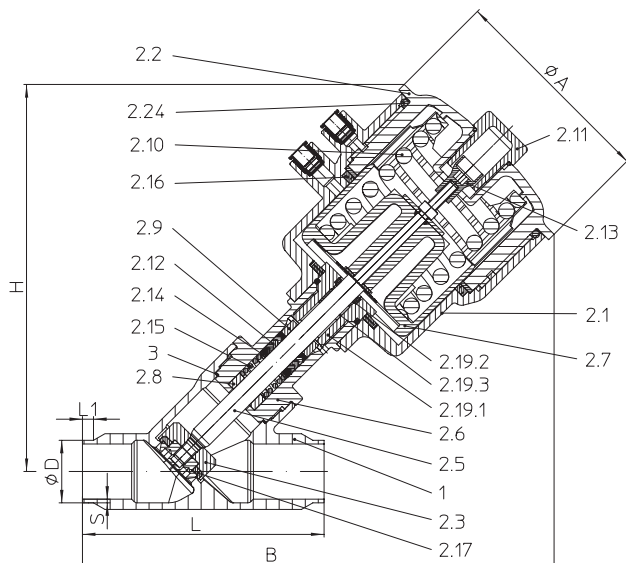


Figure	Nominal pressure	Material	Nominal diameter
52.350...4	PN16	1.4408	DN15-50
Stem sealing			
• PTFE-V-ring unit -10°C to 180°C			
Plug design			
• Isolation plug with PTFE-soft sealing			
Shut off class (seat / plug leakage classes)			
• Metal / PTFE - Leakage class A acc. to DIN EN 12266-1			
• Metal / FPM - Leakage class A acc. to DIN EN 12266-2 (optional)			
Actuator material			
• PA66 GF (Max. permissible ambient temperature +60°C)			

Selection of possible applications

 Industrial installations, processing technology, plant manufacturing, etc.
 (other applications on request)

Selection of possible flow media

 Cooling water, Warm water, Hot water, Steam, Oil, Air, Neutral gases, Alkalis, Alcohol, etc.
 (other flow media on request)

Fig. 350 Spring closes on air failure (NC)

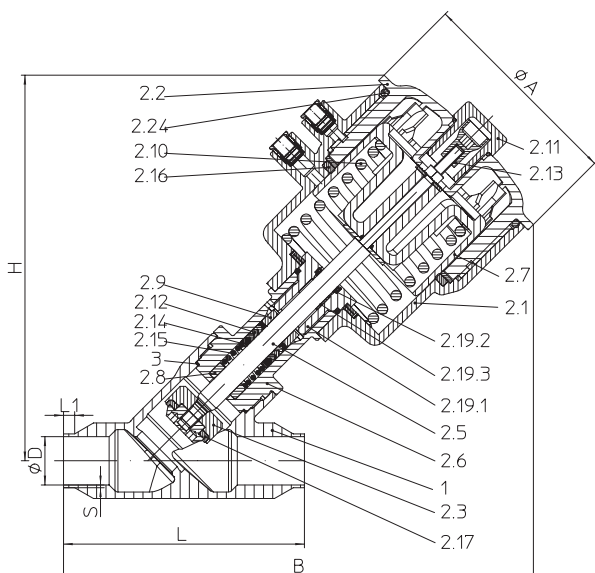


Fig. 350 Spring opens on air failure (optional) (NO)

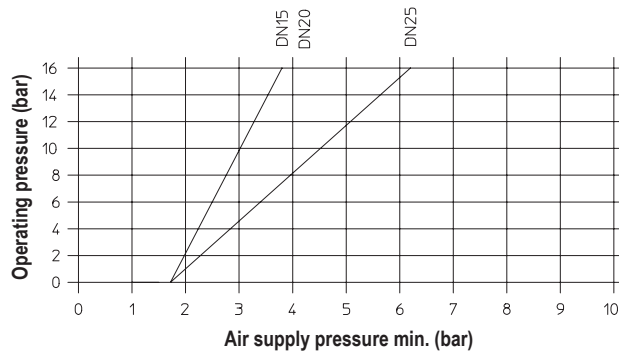
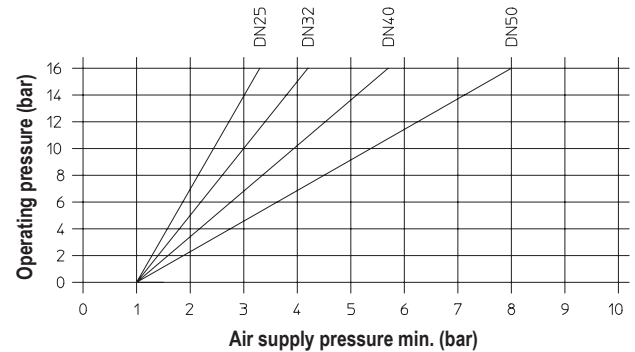
Dimensions and weights

DN		15	20	25	32	40	50	
Actuator		ATG50	ATG50	ATG50	ATG80	ATG80	ATG80	
L	(mm)	100	115	130	145	160	175	
H	(mm)	162	162	173	208	217	228	
B	(mm)	191	196	206	241	256	279	
ØA	(mm)	75	75	75	114	114	114	
Pipe connection acc. to ISO 4200	L	(mm)	100	115	130	145	160	
	L1	(mm)	6	6	6	6	6	
	ØD	(mm)	21,3	26,9	33,7	42,4	28,3	60,3
	S	(mm)	1,6	1,6	2	2	2	2
Pipe connection acc. to DIN 11850	L	(mm)	100	115	130	130	145	160
	L1	(mm)	6	6	6	6	6	6
	ØD	(mm)	19	23	29	35	41	53
	S	(mm)	1,5	1,5	1,5	1,5	1,5	1,5
Weight (1.4408)	(kg)	1,3	1,4	1,8	2,7	3,3	3,6	4,6

Closing pressure (Function: Spring closes on air failure (NC), on flow-to-open)

DN		15			20			25			32			40			50			
Actuator		ATG50			ATG50			ATG50		ATG80		ATG80			ATG80			ATG80		
max. operating pressure	(bar)	6	10	16	6	10	16	6	10	6	10	16	6	10	16	6	10	16	6	10
Kvs-value	(m ³ /h)	6,2			9,6			19,7		20,7		24,8			36,1			54,3		
Travel	(mm)	15			15			15		20		20			20			20		
Air supply pressure min.	(bar)	2,9	4,5	6,8	2,9	4,5	6,8	5,7	8,8	2	3,1	4,8	2,8	4,3	7,4	4,3	7,4	8,8	7	8,8

Closing pressure diagram (Function: Spring opens on air failure (NO), on flow-to-open)

Actuator ATG 50

Actuator ATG 80

Parts

Pos.	Description	Fig. 52.350...4
1	Body	GX5CrNiMo19-11-2, 1.4408
2.1 *	Actuator housing	PA66 GF
2.2 *	Actuator cover	PA66 GF
2.3 *	Plug	X6CrNiMoTi17-12-2, 1.4571
2.5 *	Stem	X2CrNiMo17-12-2, 1.4404
2.6 *	Hood	GX5CrNiMo19-11-2, 1.4408
2.7 *	Piston	PA66 GF
2.8 *	Bushing	PTFE
2.9 *	Guide bushing	PA66 GF
2.10 *	Spring	SH
2.11 *	Sight glass	PA transparent
2.12 *	V-ring unit	PTFE
2.13 *	Indication	PA66
2.14 *	Washer	1.4301
2.15 *	Spring	X10CrNi18-8, 1.4310
2.16 *	Sealing ring	NBR
2.17 *	Sealing ring	PTFE
2.19.1 *	Screw joint	X6CrNiMoTi17-12-2, 1.4571
2.19.2 *	Rod seal	FPM
2.19.3 *	Cylinder bushing	Stainless steel / PTFE
2.24 *	O-ring	NBR
3	Gasket	PTFE / Graphite

* Spare parts (Pos. 2.1 to 2.24 will be supplied as unit)

Information / restriction of technical rules need to be observed!

A production allowance acc. to TRB 801 No. 45 exists

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

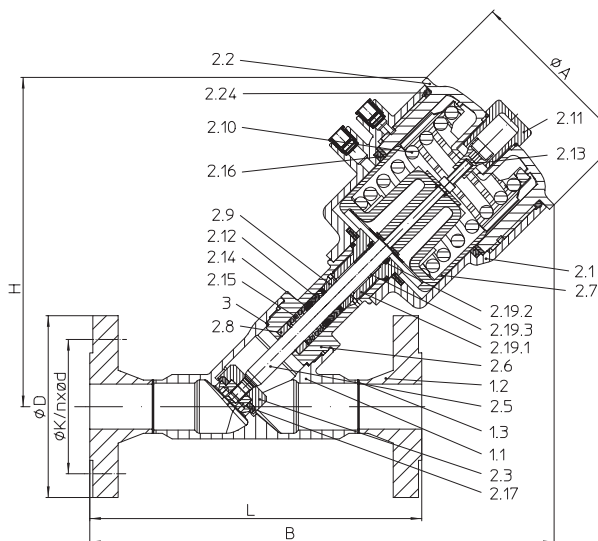
Pneumatic process valve, Y-pattern with flanges and pneumatic actuator


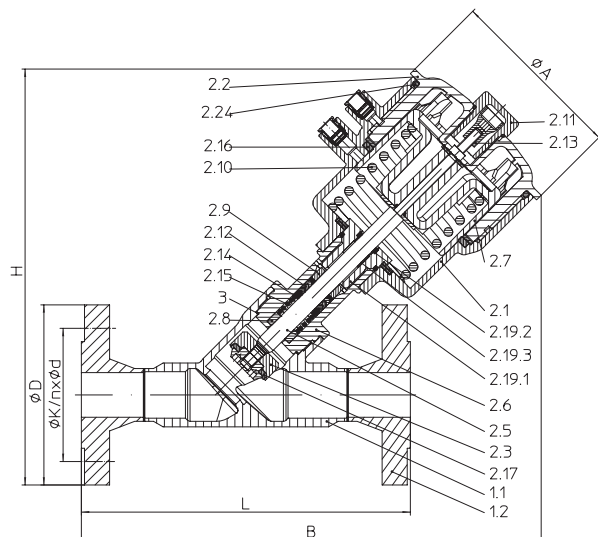
Figure	Nominal pressure	Material	Nominal diameter
52.350...1	PN16	1.4408	DN15-50
Stem sealing			
• PTFE-V-ring unit -10°C to 180°C			
Plug design			
• Isolation plug with PTFE-soft sealing			
Shut off class (seat / plug leakage classes)			
• Metal / PTFE - Leakage class A acc. to DIN EN 12266-1			
• Metal / FPM - Leakage class A acc. to DIN EN 12266-2 (optional)			
Actuator material			
• PA66 GF (Max. permissible ambient temperature +60°C)			

Selection of possible applications

 Industrial installations, processing technology, plant manufacturing, etc.
 (other applications on request)

Selection of possible flow media

 Cooling water, Warm water, Hot water, Steam, Oil, Air, Neutral gases, Alkalis, Alcohol, etc.
 (other flow media on request)

Fig. 350 Spring closes on air failure (NC)

Fig. 350 Spring opens on air failure (optional) (NO) (NO)
Dimensions and weights

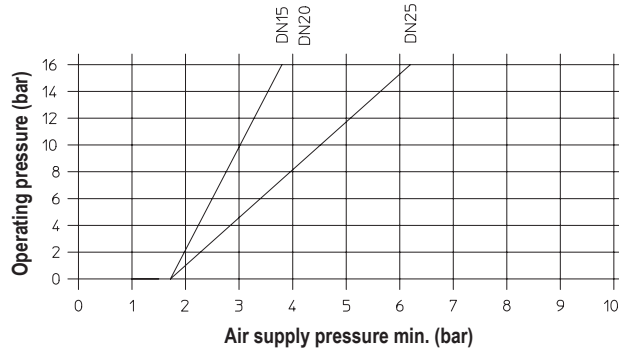
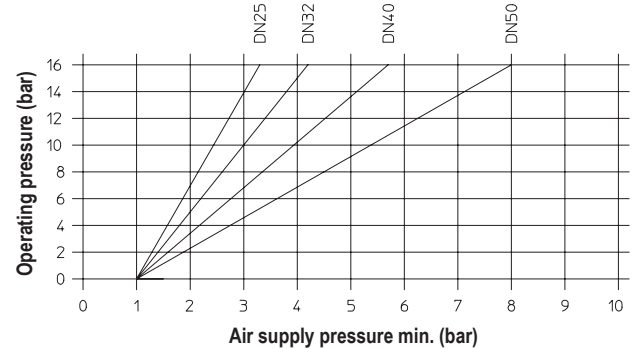
DN		15	20	25		32	40	50
Actuator		ATG50	ATG50	ATG50	ATG80	ATG80	ATG80	ATG80
L	(mm)	130	150	160		180	200	230
H	(mm)	162	162	173	208	217	218	228
B	(mm)	191	196	206	241	256	260	279
ØA	(mm)	75	75	75	114	114	114	114
ØD	(mm)	95	105	210		254	265	286
ØK	(mm)	65	75	85		100	110	125
n x Ød	(n x mm)	4 x 14	4 x 14	4 x 14		4 x 18	4 x 18	4 x 18
Weight (1.4408)	(kg)	2,9	3,4	4,5	5,3	6,9	7,9	10,3

Face-to-face dimension FTF series 1 acc. to DIN EN 558

Closing pressure (Function: Spring closes on air failure (NC), on flow-to-open)

DN		15			20			25			32			40			50				
Actuator		ATG50			ATG50			ATG50			ATG80			ATG80			ATG80				
max. operating pressure	(bar)	6	10	16	6	10	16	6	10	16	6	10	16	6	10	16	6	10			
Kvs-value	(m³/h)	6,2			9,6			19,7			20,7			24,8			36,1		54,3		
Travel	(mm)	15			15			15			20			20			20		20		
Air supply pressure min.	(bar)	2,9	4,5	6,8	2,9	4,5	6,8	5,7	8,8		2	3,1	4,8	2,8	4,3	7,4	4,3	7,4	8,8	7	8,8

Closing pressure diagram (Function: Spring opens on air failure (NO), on flow-to-open)

Actuator ATG 50

Actuator ATG 80

Parts

Pos.	Description	Fig. 52.350....1
1	Body	GX5CrNiMo19-11-2, 1.4408
2.1 *	Actuator housing	PA66 GF
2.2 *	Actuator cover	PA66 GF
2.3 *	Plug	X6CrNiMoTi17-12-2, 1.4571
2.5 *	Stem	X2CrNiMo17-12-2, 1.4404
2.6 *	Hood	GX5CrNiMo19-11-2, 1.4408
2.7 *	Piston	PA66 GF
2.8 *	Bushing	PTFE
2.9 *	Guide bushing	PA66 GF
2.10 *	Spring	SH
2.11 *	Sight glass	PA transparent
2.12 *	V-ring unit	PTFE
2.13 *	Indication	PA66
2.14 *	Washer	1.4301
2.15 *	Spring	X10CrNi18-8, 1.4310
2.16 *	Sealing ring	NBR
2.17 *	Sealing ring	PTFE
2.19.1 *	Screw joint	X6CrNiMoTi17-12-2, 1.4571
2.19.2 *	Rod seal	FPM
2.19.3 *	Cylinder bushing	Stainless steel / PTFE
2.24 *	O-ring	NBR
3	Gasket	PTFE / Graphite

* Spare parts (Pos. 2.1 to 2.24 will be supplied as unit)

Information / restriction of technical rules need to be observed!

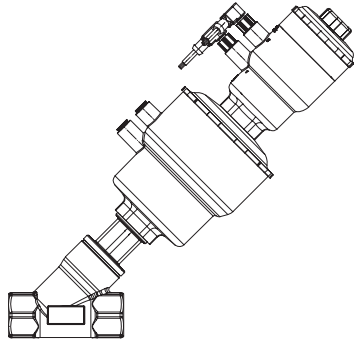
A production allowance acc. to TRB 801 No. 45 exists

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

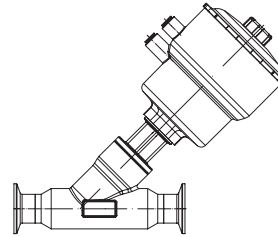
Pressure-temperature-ratings acc. to DIN EN 1092-2

Material	PN		-60°C to 50°C	100°C	150°C	180°C
1.4408	16	bar	16	14,9	13,5	13,1

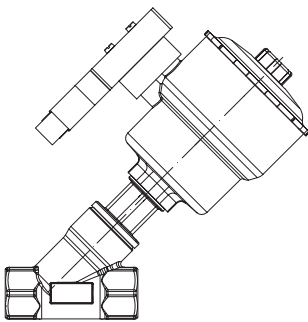
Options



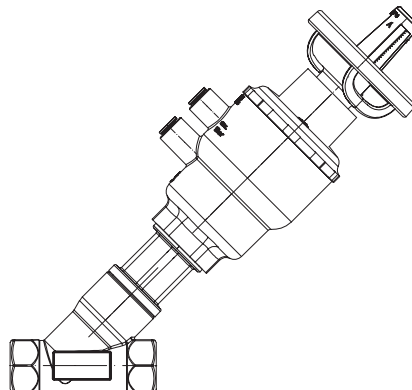
Limit switch, mechanical or inductive operated



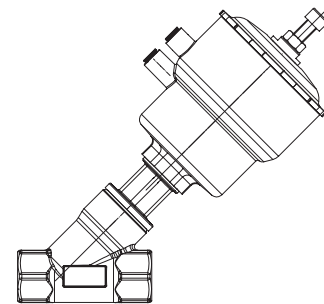
Clamp connection acc. to DIN 32676 or BS 4825-3 (on request)



3/2- or 5/2-way NAMUR-solenoid valves
(incl. adapter plate)



Handwheel
(Function: Spring closes on air failure (NC),
on flow-to-open)



Travel limiter

Please indicate when ordering

- Figure-No.
- Nominal diameter
- Nominal pressure
- Body material
- Plug design
- Stem sealing
- Actuator
- Special design / accessories

Please indicate in your order, if the valves are to be installed in hazardous areas (ATEX).

Example:

Figure 52.350; Nominal diameter DN25; Nominal pressure PN16; Body material 1.4408; Isolation plug; Stem sealing PTFE-V-ring unit; pneumatic actuator ATG50.

Dimensions in mm
Weights in kg
Pressures in barg (gauge)
1 bar Δ 105 Pa Δ 0,1 MPa
Kvs in m³/h