



ARI-STEVI® AS 350

Pneumatic Actuator Process Piston Y-pattern

Fig. 350



Fig. 350

ARI-STEVI® AS 350

Pneumatic actuator with screwed sockets

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

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

Figure	Nom. pressure	Material	Nom. diameter
52.350....2	PN16	1.4408	DN15-50
72.350....2	PN16	CC491K	DN15-50
52.350....4	PN16	1.4408	DN15-50
52.350....1	PN16	1.4408	DN15-50
Stem sealing			
• PTFE-V-ring unit -10°C to 180°C (optional with hood extension to 184°C)			
Plug design			
• Isolation plug with PTFE-soft sealing			
Shut off class (Shut off classes)			
• Metal / PTFE - Leakage class A acc. to DIN EN 12266-1			
• Metal / FPM - Leakage class A acc. to DIN EN 12266-1 (optional)			
Actuator material			
• PA66 GF (Max. permissible ambient temperature +60°C)			

Selection of possible applications

Industrial installations, processing technology, plant manufacturing, etc.

Selection of possible flow media

Cooling water, Warm water, Hot water, Steam, Oil, Air, Neutral gases, Alkalis, Alcohol, etc.

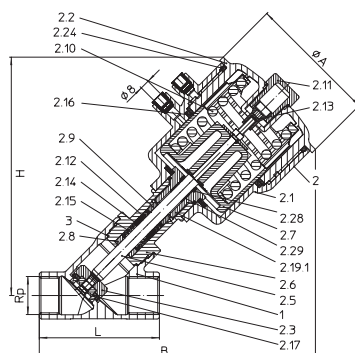


Fig. 350 Spring closes (NC)

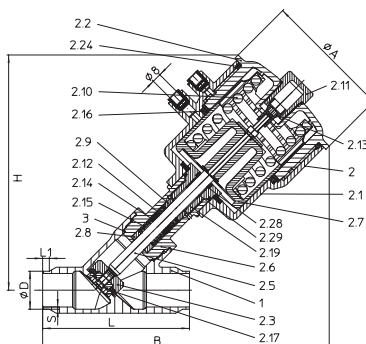


Fig. 350 Spring closes (NC)

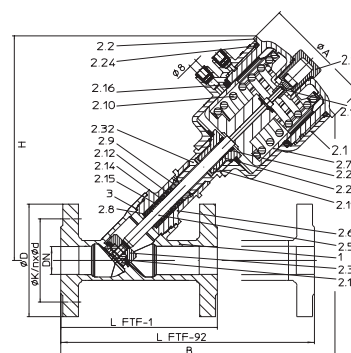


Fig. 350 Spring closes (NC)

Dimensions and weights 52.350....2 (72.350....2)		15	Rp 1/2	20	Rp 3/4	25	Rp 1	32	Rp 1 1/4	40	Rp 1 1/2	50	Rp 2
Actuator		ATG 50		ATG 50		ATG 50	ATG 80	ATG 80		ATG 80		ATG 80	
L	(mm)	85		95		105		120		130		150	
H	(mm)	162		162		173	208	217		224		234	
B	(mm)	191		196		206	241	256		260		279	
ØA	(mm)	75		75		75	114	114		114		114	
Rp (BSP)	(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	

Dimensions and weights (52.350....4)		15	20	25	32	40	50
Actuator		ATG 50	ATG 50	ATG 50	ATG 80	ATG 80	ATG 80
H	(mm)	162	162	173	208	217	234
B	(mm)	199	206	219	254	269	297
ØA	(mm)	75	75	75	114	114	114
Pipe connection acc. to ISO 4200	L	100	115	130	145	160	175
	L1	6	6	6	6	6	6
	ØD	21.3	26.9	33.7	42.4	48.3	60.3
	S	1.6	1.6	2	2	2	2
Pipe connection acc. to DIN 11850	L	100	115	130	130	145	160
	L1	6	6	6	6	6	6
	ØD	19	23	29	35	41	53
	S	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	4.6

Dimensions and weights (52.350....1)		15	20	25	32	40	50
Actuator		ATG 50	ATG 50	ATG 50	ATG 80	ATG 80	ATG 80
L (FTF-1)	(mm)	130	150	160	180	200	230
L (FTF-92)	(mm)	230	260	260	300	300	350
H	(mm)	183	183	194	229	238	255
B	(mm)	223	236	245	280	291	324
ØA	(mm)	75	75	75	114	114	114
ØD	(mm)	95	105	115	140	150	165
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 (FTF-1)	(kg)	2.9	3.4	4.5	5.3	6.9	10.3
Weight (FTF-92)	(kg)	3.2	3.7	5	5.8	7.5	11.3

*last updated 10/16





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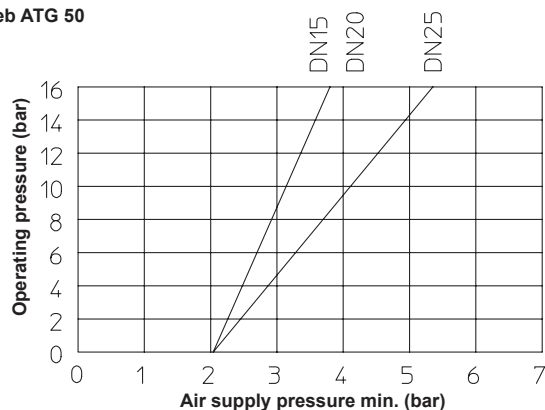
Function: Spring closes on air failure (NC),

DN		15			20			25				32			40			50			
Actuator		ATG 50			ATG 50			ATG 50	ATG 80			ATG 80	ATG 125	ATG 80	ATG 125	ATG 80	ATG 125				
Operating pressure max.	(bar)	6	10	16	6	10	16	6	6	10	16	6	10	16	6	10	16	4	6	10	
Kvs-value	(m³/h)	6.2			9.6			19.7	20.7			24.8		1)	36.1	1)			54.3	1)	
Travel	(mm)	15			15			15	20			20			20						
Air supply pressure min.	(bar)	2.9	4.5	6.8	2.9	4.5	6.8	5.7	2	3.1	4.8	2.8	4.3		4.3				5		

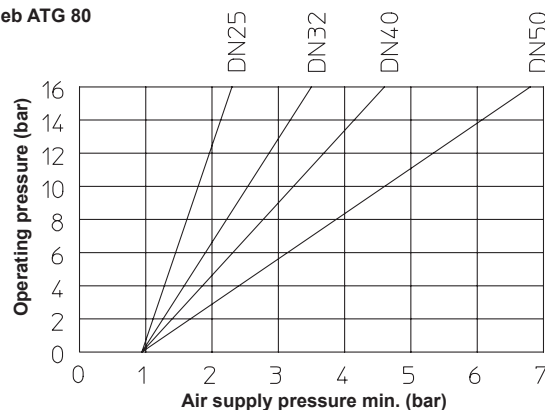
1) refer to separate data sheet ATG125E

Function: Spring closes on air failure (NC),

Antrieb ATG 50



Antrieb ATG 80



Attention:

Flow direction above the plug is preferably used for gas and vapors.

For liquid media threatens hydraulic shocks!

Material

Pos.	Description	Fig. 52.350....2, 52.350....4	Fig. 72.350....2	Fig. 52.350....1
1	Body	GX5CrNiMo19-11-2, 1.4408	CuSn5Zn5Pb5-C, CC491K	GX5CrNiMo19-11-2, 1.4408
2	Bonnet, cpl. *			
2.1	Actuator housing	PA66 GF		PA66 GF
2.2	Actuator cover	PA66 GF		PA66 GF
2.3	Plug	X6CrNiMoTi17-12-2, 1.4571	CuSn5Zn5Pb5-C, CC491K	X6CrNiMoTi17-12-2, 1.4571
2.5	Stem	X2CrNiMo17-12-2, 1.4404		X2CrNiMo17-12-2, 1.4404
2.6	Hood	GX5CrNiMo19-11-2, 1.4408	CuSn5Zn5Pb5-C, CC491K	GX5CrNiMo19-11-2, 1.4408
2.7	Piston	EN AW-AlCu6BiPb, EN AW-2011		EN AW-AlCu6BiPb, EN AW-2011
2.8	Bushing	PTFE		PTFE
2.9	Guide bushing	PA66 GF		PA66 GF
2.10	Spring	SH		SH
2.11	Sight glass	PA transparent		PA transparent
2.12	V-ring unit	PTFE		PTFE
2.13	Indication	PA66		PA66
2.14	Washer	1.4301		1.4301
2.15	Spring	X10CrNi18-8, 1.4310		X10CrNi18-8, 1.4310
2.16	Sealing ring	NBR		NBR
2.17	Sealing ring	PTFE		PTFE
2.19	Screw joint	X6CrNiMoTi17-12-2, 1.4571	CuSn5Zn5Pb5-C, CC491K	X6CrNiMoTi17-12-2, 1.4571
2.24	O-ring	NBR		NBR
2.28	Rod seal	FPM		FPM
2.29	Cylinder bushing	Stainless steel / PTFE		Stainless steel / PTFE
2.32	Hood extension			X2CrNiMo17-12-2, 1.4404
3	Gasket *	PTFE / Graphite		PTFE / Graphite

* Spare parts (Pos. 2.1 - 2.29 will be supplied as unit)

*last updated 10/16

