

**Pneumatic Actuator Process Piston Y-pattern**
**Fig. 350**

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**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 mm<sup>2</sup>/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.

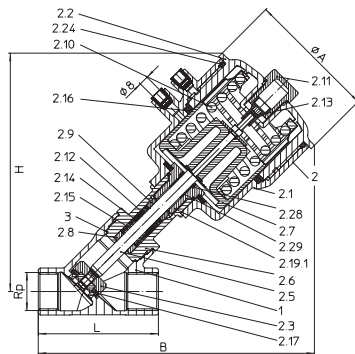


Fig. 350 Spring closes (NC)

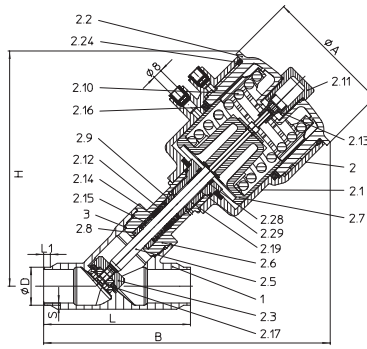


Fig. 350 Spring closes (NC)

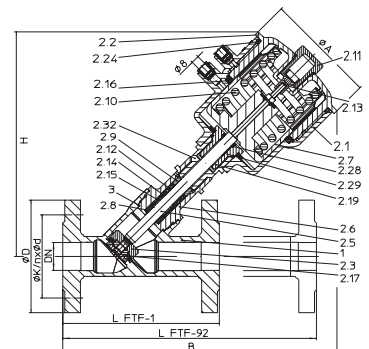


Fig. 350 Spring closes (NC)

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
<b>Actuator</b>		<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 80</b>	<b>ATG 80</b>	<b>ATG 80</b>
L	(mm)	85	95	105	120	130	150
H	(mm)	162	162	173	208	217	234
B	(mm)	191	196	206	241	256	279
ØA	(mm)	75	75	75	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	4.6
Weight (CC491K)	(kg)	1.4	1.6	1.9	2.7	3.4	4.8

Dimensions and weights (52.350....4)		15	20	25	32	40	50
<b>Actuator</b>		<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 80</b>	<b>ATG 80</b>	<b>ATG 80</b>
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

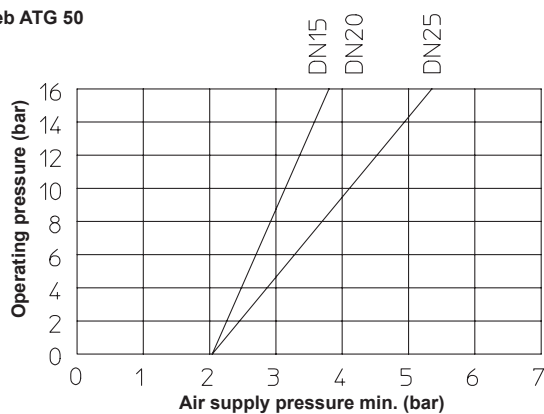
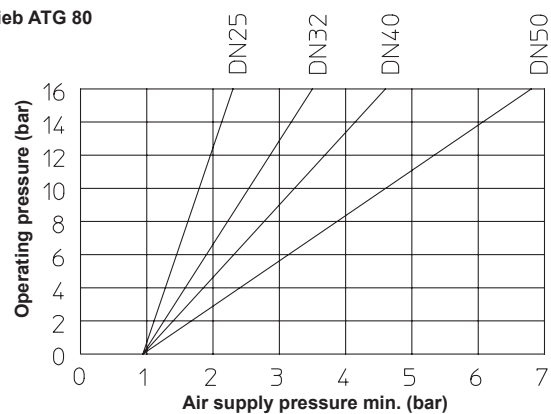
Dimensions and weights (52.350....1)		15	20	25	32	40	50
<b>Actuator</b>		<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 50</b>	<b>ATG 80</b>	<b>ATG 80</b>	<b>ATG 80</b>
L (FTF-1)	(mm)	130	150	160	180	200	230
L (FTF-92)	(mm)	230	260	260	300	300	350
H	(mm)	183	183	194	229	238	255
B	(mm)	223	236	245	280	291	324
ØA	(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

**Pneumatic Actuator Process Piston Y-pattern**
**Fig. 350**
**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			54.3		
Travel (mm)	15			15			15	20			20				20			1)		
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