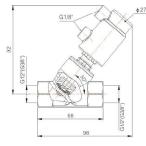
ESG®

Filling Valve



Technical Specification

- Control type: Double acting normally closed,
 Double acting without spring
- Operating pressure: 0–7bar (0–102psi)
- Control medium: Filtered compressed air or neutral gas
- Control pressure: 3-4.5bar (44-65psi)
- Body material: CF8/CF8M/CF3M and other special materials
- Seal material: PTFE
- Medium temperature: -10°C +120°C
- Ambient temperature: -10°C +80°C
- Connection type: Threaded connection (BSP, BSPT, NPT)

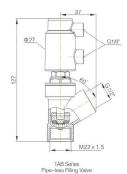


1AA Series 27mm Actuator Pipe-less Filling Valve



Advantages

- The filling valves is widely used in filling machinery, sultable for viscous, pasty and even foamy fluids with accurate and stable filling.
- 1AA series with 27mm actuator and 1AS series, the valve core made a flexiable seat, it can be the self-adjustable with good sealing performance.





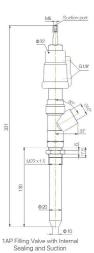


Technical Specification

- Control type: Double acting normally closed.
 Double acting without spring
- Operating pressure: 0-7bar (0-102psi)
- Control pressure: 3-4.5bar (44-65psi)
- Body material: CF8M/CF3M and other special materials
- Seal material: PTFE
- Medium temperature: -10°C -+120°C
- Ambient temperature: -10°C +80°C

Advantages

- It is widely used in filling machinery, especially for applications with viscous, pasty and even foamy fluids.
- 2. Fast, accurate and stable filling.
- 3. Delicate and compact, easy to arrange pipeline layout.
- Special nozzle structure and sealing design ensure no dripping leakage.
- Bottom chamfer structure of the filling nozzle self-locates and enables submerged filling.
- Internal suction pipe effectively recovers dripping liquid.



1AC/1AF Main Dimension

1AC Filling Valve with Internal Sealing with Internal Sealing

Size	ФД	Ф d	н	H1
1AC	20	10	267	130
1AC	18	9	267	130
1AF	16	8	267	130

 Pipe-less Filing Valve
 Pipe-less Filing Valve
 1AF
 16
 8
 267
 130

ESG®

Filling Valve

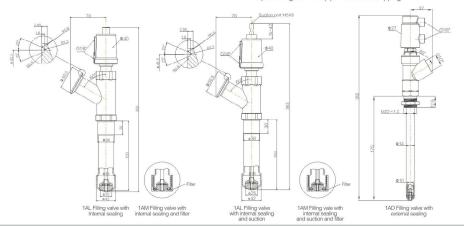


Technical Specification

- Control type: Double acting normally closed,
 Double acting without spring
- Operating pressure: 0-7bar (0-102psi)
- Control pressure: 3–4.5bar (44–65psi)
- Body material: CF8M
- Seal material: PTFE
- Medium temperature: -10°C +120°C
- Ambient temperature: -10°C +80°C

Advantages

- It is widely used in filling machinery, especially for applications with viscous, pasty and even foamy fluids.
- Fast, accurate and stable filling.
- 3. Delicate and compact, easy to arrange pipeline layout.
- Special nozzle structure and sealing design ensure no dripping leakage.
- Bottom chamfer structure of the filling nozzle self-locates and enables submerged filling.
- The head gourd shape design of the filling tube reduces weight and cost without sacrificing flow rate.
- 7. With super strong suction function, it can timely recover the liquid sliding down the pipe wall without dripping.







Technical Specification

- Control type: Double acting normally closed,
 Double acting without spring
- Operating pressure: 0-7bar (0-102psi)
- Control pressure: 3-4.5bar (44-65psi)
- Body material: CF8M/CF3M and other special materials
- Seal material: PTFE
- Medium temperature: -10°C +120°C
- Ambient temperature: -10°C +80°C

Advantages

- 1. Superior performance in easy foaming fluids filling.
- 2. Delicate and compact structure easy for pipeline layout.
- 3. Fast and stable filling.
- 4. Special suction design ensure no dripping leakage.
- Special tip seal structure enables convenient maintenance and replacements.

Main Dimension

1AJ/1AG/1AE/1AI/1AK/1AH Series

Size	ФД	Фф	H1	н
1AJ	20	17	300	502
1AG	20	17	130	332
1AE	16	13	300	502
1AI	16	13	130	332
1AK	12	9	300	502
1AH	12	9	130	332

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Filling Valve



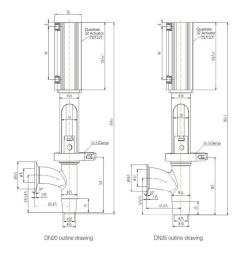


Technical Specification

- Control type: Double acting without spring
- Operating pressure: 0-7bar (0-102psi)
- Control pressure: 4-7bar (58-102psi)
- Control medium: CF8M/CF3M and other special materials
- Seal material: UPE
- Medium temperature: -10°C +110°C
- Ambient temperature: -10°C +60°C

Advantages

- Widely used in filling machinery. Suitable for viscous, granular sauce filling. Such as beef sauce, chili sauce, bean paste, etc.
- 2. Fast, accurate and stable filling.
- The internal structure adopts plunger design, resulting in easy cleaning and minimal residue.
- 4. The filling body and the connection are connected by tri-clamp, so that they can be installed, uninstalled, and adjusted easily.
- 5. Long valve stroke enables large-capacity filling.
- Accessories, such as proximity switch and position indicator, can be installed on top of actuator to enable feedback of valve open /close state.





Technical Specification

- Control type: Double acting normally closed,
 Double acting without spring
- Operating pressure: 0-7bar (0-102psi)
- Control pressure: 3-4.5bar (44-65psi)
- Body material: CF8M/CF3M and other special materials
- Seal material: PTFE
- Medium temperature: -10°C -+120°C
- Ambient temperature: -10°C +80°C

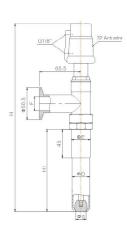
Advantages

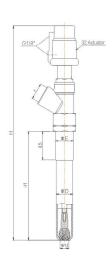
- It is widely used in filling machinery, especially for applications with viscous, pasty and even foamy fluids.
- 2. Fast, accurate and stable filling.
- 3. Delicate and compact, easy to arrange pipeline layout.
- Special nozzle structure and sealing design ensure no dripping leakage.
- Bottom chamfer structure of the filling nozzle self-locates and enables submerged filling.
- The valve utilizes bottom seal and seal ring for connection to valve stern in order to avoid fluid residue and allow effortless cleaning.
- Internal suction structure recovers dripping liquid along the pipe wall.

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Filling Valve





Main Dimension (1A2 Series)

Size	Connection method	Actuator	ΦD	Фф	F	н	H1	ΦE (Optional)	
DN15	Threaded connection Tri-clamp connection		12	5	G1/2 NPT1/2 BSPT1/2 Φ16	220-540	60–380		
		32	14	6.5				Φ20/M22X1.5	
			16	8					
			18	9				Φ 25/M25X1.5	
			20	10					
			24	13					
DN20			18	9	G3/4" NPT3/4" BSPT3/4" M26X1.5	227–547	60-380	Φ 28/M28X1.5	
			20	10					
	Threaded connection		22	11.5					
		32	24	13					
			26	14					
			28	16				Φ30/M30X1.5	
DN25	Tri-clamp connection		18	9	Ψ22	227-547	60-380	Φ 28/M28X1.5	
		32	20	10					
			22	11.5					
			24	13					
			26	14					
			28	16				Φ30/M30X1.5	

Order Instruction

1AX	XXX	X	XXX	XX	XXX	X	X	XX	X	X	(*)
$\overline{}$	$\overline{}$	_	\top	_	\top		$\overline{}$	_		$\overline{}$	\top
Series	Actuator	Control type	Inlet size	Pipe outer diameter (mm)	Pipe length (mm)	Sealing structure	Suction	Connection type	Valve securement	Body Material	Special customization EC 1935
		2:Double acting normally closed				l: Internal sealing	0: Without suction	G1: Threaded BSP DIN ISO 228-1	0: No securement	1: CF8	20 1000
		3:Double acting without spring				E: External sealing	1: With suction	T1: Threaded BSPT DIN 2999-1/ISO7-1	M: Thread securement	2: CF8M	
								N1: Threaded NPT ASMEB1.20.1	D: Pipe securement	6: CF3M	
								M1: M26*1.5			
								H7: WeldedDIN11850-2/DIN11866 A H8: WeldedDIN11850-3			
								H9: Welded Chamfer			
								K7: Tri-clamp ISO2852-50.5			
=	A27	2/3	D10	00	000	- 1	0	G1/T1/N1	0	1/2/6	
1AA	A27	2/3	D15	00	000	Î	0	G1/T1/N1/H7/H8/H9/K7	0	1/2/6	
1AB	A27	2/3	D15	00	000	1.	0	G1/T1/N1	0	1/2/6	
	A27	2/3	D15	20	130	Ţ.	0	G1/T1/N1	M/D	2/6	
1AC	A27	2/3	D15	18	130	L	0	G1/T1/N1	M/D	2/6	
1AF	A27	2/3	D15	16	130	- I	0	G1/T1/N1	M/D	2/6	
1AP	A32	2/3	D15	20	130	Î.	1	G1/T1/N1/K7	M/D	2/6	
1AD	A27	2/3	D15	14	175	Е	0	G1/T1/N1	M/D	2/6	
1/J	A32	2/3	D15	20	300	E	1	G1/T1/N1/k7	M/D	2/6	
1AG	A32	2/3	D15	20	130	E	1	G1/T1/N1/k7	M/D	2/6	
1AE	A32	2/3	D15	16	300	E	1	G1/T1/N1/k7	M/D	2/6	
1AI	A32	2/3	D15	16	130	E	1	G1/T1/N1/k7	M/D	2/6	
1AK	A32	2/3	D15	12	300	E	1	G1/T1/N1/k7	M/D	2/6	
1AH	A32	2/3	D15	12	130	E	1	G1/T1/N1/k7	D	2/6	
1AL	A40	2/3	D25	42	150	- 6	0/1	K7	D	2/6	
1AM	A40	2/3	D25	50	150	- E	0/1	K7	D	2/6	
1A1	A32	3	D25	29	40	-/	0	K7	/	1/2/6	
	A32	3	D32	34	40	/	0	K7	1	1/2/6	
			D15	12				G1/T1/N1/K7			
				14							
				16							
1A2				18							
				20		50-380 I					
				24	60-380						
			2/3 D20	18					M/D		
	A32	2/3		20			0	G1/T1/N1/M1 K7			
				22						0/0	
				24						2/6	
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