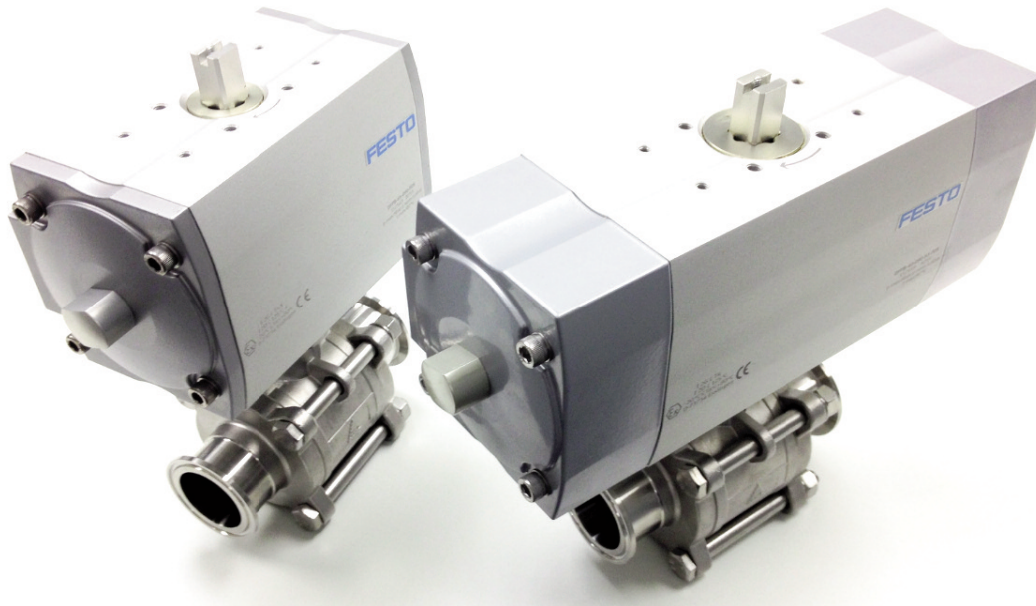


# 3-Piece Sanitary Ball Valve Assembly VAPB-7F

Stainless Steel Valve Preassembled with Pneumatic Actuator

**FESTO**



## Complete, Ready-to-Install Package

### Unbeatable Package

Economical time saver - Festo has matched the torques, mounting patterns and hardware for you.

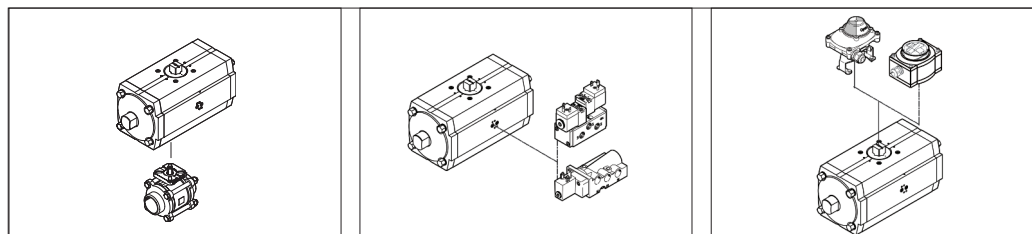
This reduces the time required for valve selection, calculation and sizing of actuator and design of assembly hardware. It simplifies your logistics and procurement while providing a working solution every time.

### Features

- All soft wetted parts comply with FDA CFR Title 21 Part 177
- Full port
- Versatile 3 piece valve
- Simple pneumatic actuation
- Dual piston rack and pinion quarter turn actuator
- Double acting and spring return actuators
- ISO/Namur/VDI/VDE interfaces for accessories
- Made of corrosion-resistant 316LSS (A351GR.CF3m)
- 20Ra internal surface finish

### Benefits

- Eliminates pooling of process media
- 3 piece valve design allows for easy repair and cleaning while mounted on pipe
- One part number simplifies ordering and logistics
- Fast delivery
- No assembly required
- Design of brackets and hardware not required
- Preconfigured solution simplifies product selection
- Simple addition of accessories due to standard interfaces



Ball valve and actuator preassembled

Optional accessories: Namur valves type NVF3, VSNB

Optional accessories: Sensor boxes and positioners type SRBF, DAPZ, SRBP and SRAP

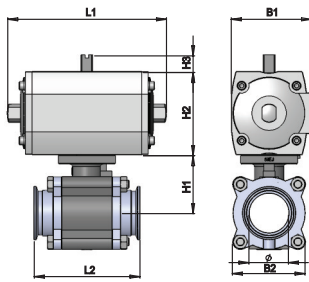
VAPB-7F-ASY.PSI.US

Product Short Information

# 3-Piece Sanitary Ball Valve Assembly VAPB-7F

## Stainless Steel Valve Preassembled with Pneumatic Actuator

General Technical Data		1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"
Ball valve connection	[inch]								
Ball Valve									
Function		2-way sanitary							
Construction		3-Piece construction, ISO 5211 Direct Mount							
Material		316L Stainless Steel Body and Trim, TFE Seat, TFE Seal							
Testing		All valves are tested to API 598 and meet ANSI/FCI70-2 Class VI and MSS SP-61 seat leakage requirements							
Connections		Clamped, extended weld							
Media		Gas (inert), water and oil							
Maximum Pressure (RTFE)	1000 PSI	■	■	■					
	800 PSI				■	■			
	600 PSI						■	■	■
Temperature (RTFE)	Fluid	-20° F to 420° F							
	Ambient	-4° F to 176° F							
Actuator									
Type		1/4-turn pneumatic actuator, double acting (DA) and single (SR) acting meeting ISO 5211, NAMUR and VDI/VDE 3845							
Min/Max supply pressure		80/120 PSI, filtered compressed air, unlubricated							
Connection		Threaded G1/8" and NAMUR interface							



Extended end (Type EE) not shown here. Drawing only to show overall dimensions.

Size [inch]	B1		B2	H1	H2		H3		L1		L2		VDI/VDE
	DA	SR			DA	SR	DA	SR	CC	EE			
1/2"	1.97	2.60	1.73	1.54	1.93	2.56	0.79	0.79	5.31	8.25	3.50	4.90	80 X 30 X 20
3/4"	1.97	2.60	1.73	1.54	1.93	2.56	0.79	0.79	5.31	8.25	3.50	5.60	80 X 30 X 20
1"	2.60	3.13	2.33	1.89	2.56	3.27	0.79	0.79	6.09	9.28	3.50	6.40	80 X 30 X 20
1-1/2"	3.13	4.72	2.89	2.36	3.27	4.96	0.79	0.79	7.23	13.17	4.50	7.20	80 X 30 X 20
2"	3.80	4.72	3.42	2.74	3.93	4.96	0.79	0.79	7.48	15.15	5.00	7.60	80 X 30 X 20
2-1/2"	4.72	6.65	4.46	3.50	4.96	6.93	0.79	0.79	10.81	20.36	6.75	10.00	80 X 30 X 20
3"	5.70	6.65	5.38	3.86	6.14	6.93	0.79	0.79	10.91	21.80	7.75	11.00	80 X 30 X 20
4"	6.65	8.98	7.99	5.16	6.93	8.98	0.79	1.19	13.60	32.00	9.50	12.00	80 X 30 X 20

DA= Double Acting, SR= Single Acting, CC=Clamped ends, EE=Extended weld ends

3pc SS Ball Valves Assemblies with DFPB (Clamped Ends)				
Size [inch]	Double Acting Assembly		Single Acting Assembly	
	Part Number	Description	Part Number	Description
1/2"	13091097	VAPB-7F-CC-1/2-DFPB-DA	13091157	VAPB-7F-CC-1/2-DFPB-SR
3/4"	13091098	VAPB-7F-CC-3/4-DFPB-DA	13091158	VAPB-7F-CC-3/4-DFPB-SR
1"	13091099	VAPB-7F-CC-1-DFPB-DA	13091159	VAPB-7F-CC-1-DFPB-SR
1-1/2"	13091152	VAPB-7F-CC-11/2-DFPB-DA	13091161	VAPB-7F-CC-11/2-DFPB-SR
2"	13091153	VAPB-7F-CC-2-DFPB-DA	13091163	VAPB-7F-CC-2-DFPB-SR
2-1/2"	13091154	VAPB-7F-CC-21/2-DFPB-DA	13091164	VAPB-7F-CC-21/2-DFPB-SR
3"	13091155	VAPB-7F-CC-3-DFPB-DA	13091165	VAPB-7F-CC-3-DFPB-SR
4"	13091156	VAPB-7F-CC-4-DFPB-DA	13091166	VAPB-7F-CC-4-DFPB-SR

Single acting actuators are sized for minimum 72.5 psi supply pressure, double acting – minimum 80 psi

3pc SS Ball Valves Assemblies with DFPB (Extended Weld Ends)				
Size [inch]	Double Acting Assembly		Single Acting Assembly	
	Part Number	Description	Part Number	Description
1/2"	13102545	VAPB-7F-EE-1/2-DFPB-DA	13102553	VAPB-7F-EE-1/2-DFPB-SR
3/4"	13102546	VAPB-7F-EE-3/4-DFPB-DA	13102554	VAPB-7F-EE-3/4-DFPB-SR
1"	13102547	VAPB-7F-EE-1-DFPB-DA	13102555	VAPB-7F-EE-1-DFPB-SR
1-1/2"	13102548	VAPB-7F-EE-11/2-DFPB-DA	13102556	VAPB-7F-EE-11/2-DFPB-SR
2"	13102549	VAPB-7F-EE-2-DFPB-DA	13102557	VAPB-7F-EE-2-DFPB-SR
2-1/2"	13102550	VAPB-7F-EE-21/2-DFPB-DA	13102558	VAPB-7F-EE-21/2-DFPB-SR
3"	13102551	VAPB-7F-EE-3-DFPB-DA	13102559	VAPB-7F-EE-3-DFPB-SR
4"	13102552	VAPB-7F-EE-4-DFPB-DA	13102560	VAPB-7F-EE-4-DFPB-SR

Single acting actuators are sized for minimum 72.5 psi supply pressure, double acting – minimum 80 psi

Options	
For variants or additional assembly options, please contact Festo	
Available accessories	
NAMUR Valves	NVF3, VSNB
Sensor boxes	SRBF, DAPZ, SRBP, and SRAP

### Festo Inc.

For ordering assistance, or to find your nearest Festo Distributor,  
**Call:** 1 877 GO FESTO  
**Fax:** 1 877 FX FESTO  
**Email:** festo.canada@ca.festo.com  
**Visit:** www.festo.com/ca  
 For technical support,  
**Call:** 1 866 GO FESTO  
**Fax:** 1 877 FX FESTO  
**Email:** technical.support@ca.festo.com