

Ball Valves

BV Series

Ball Valves
Plug Valves



High Performance Ball Valves

BV Series

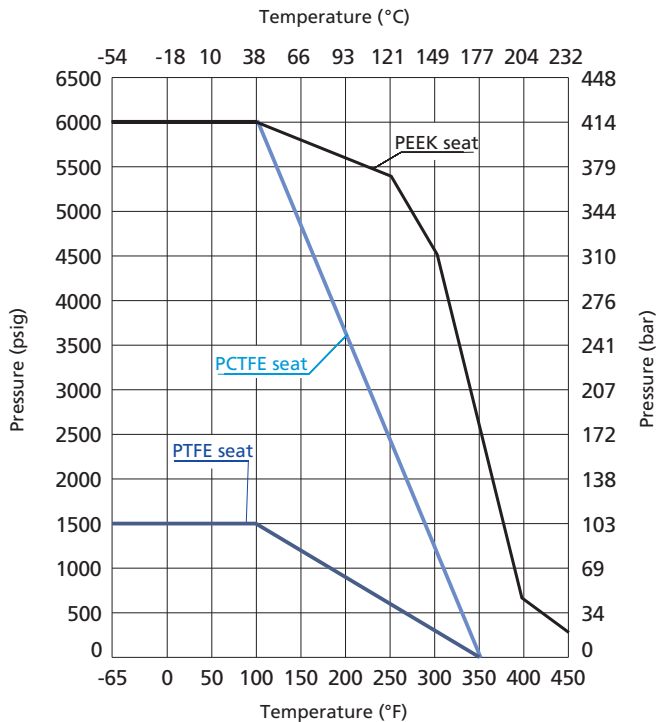
Features

- Working pressure up to: 6000 psig (414 bar)
- Working temperature: -65°F to 450°F (-54°C to 232°C)
- Low operating torque
- Handle as indicator of flow direction
- Positive handle stop
- Electric and pneumatic actuator available
- Handle color options available
- Leak-tight performance testing with nitrogen or compressed air for every valve to meet the requirement of no visible leakage at the rated pressure
- Bi-directional flow for straight valves
- The inlet of 3-way valves and angle pattern valves can only be the bottom port

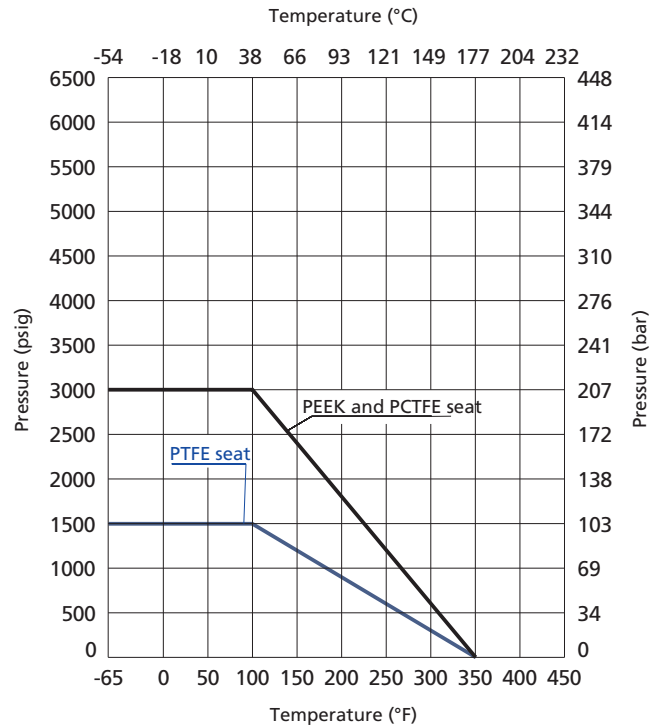

Ball Valves
Plug Valves

Pressure vs. Temperature

316 SS Body



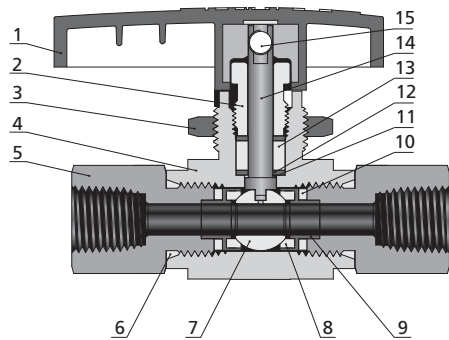
Brass Body



Note: The working pressure of valves is restricted by materials of the valve body and seat, as well as end connections. When choosing a valve for your applications, please refer to the above Temperature vs. Pressure Curves and the pressure rating in the dimension table. The minimum value shall be the pressure rating of the valve.

Standard Materials of Construction

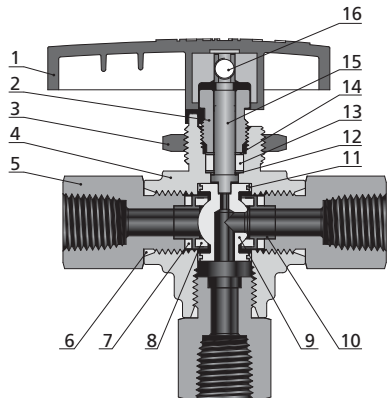
Straight Valves



Item	Component	Valve Body Material	
		SS	Brass
1	Handle	Nylon or Aluminium	
2	Packing Nut	316 SS/A479	C36000/B16
3	Panel Nut	316 SS/A479	
4	Body	<i>CF8M/A351</i>	<i>C37700/B283</i>
5	End Connection	316 SS/A479	C36000/B16
6	Connection O-ring	PTFE	
7	Ball	316 SS/A479	
8	Seat	<i>PTFE or PCTFE or PEEK</i>	
9	Seat Retainer	316 SS/A479	
10	Seat Packing	PTFE	
11	Stem Back-up Ring	PEEK	
12	Stem Washer	316/A479	
13	Stem Packing	PTFE	
14	Stem	316 SS/A479	
15	Set Screw	<i>Galvanized carbon steel</i>	
	Lubricants	<i>Fluorinated-based</i>	

Note: Wetted components are listed in italics.
For other materials, please contact FITOK Group or our authorized distributors.

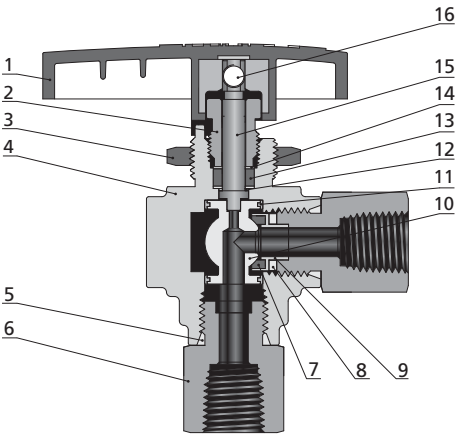
3-way Valves



Item	Component	Valve Body Material	
		SS	Brass
1	Handle	Nylon or Aluminium	
2	Packing Nut	316 SS/A479	C36000/B16
3	Panel Nut	316 SS/A479	
4	Body	<i>CF8M/A351</i>	<i>C37700/B283</i>
5	End Connection	316 SS/A479	C36000/B16
6	Connection O-ring	PTFE	
7	Seat Packing	PTFE	
8	Seat	<i>PTFE or PCTFE or PEEK</i>	
9	Ball	316 SS/A479	
10	Seat Retainer	316 SS/A479	
11	Trunnion Bearing	PEEK	
12	Stem Back-up Ring	PEEK	
13	Stem Packing	PTFE	
14	Stem Washer	316 SS/A479	
15	Stem	316 SS/A479	
16	Set Screw	<i>Galvanized carbon steel</i>	
	Lubricants	<i>Fluorinated-based</i>	

Note: Wetted components are listed in italics.
For other materials, please contact FITOK Group or our authorized distributors.

Angle Pattern Valves

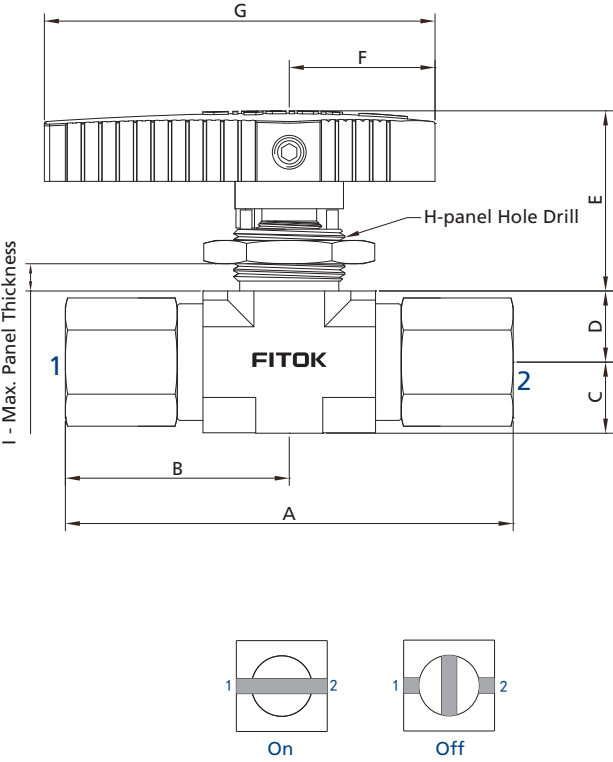


Item	Component	Valve Body Material	
		SS	Brass
1	Handle	Nylon or Aluminium	
2	Packing Nut	316 SS/A479	C36000/B16
3	Panel Nut	316 SS/A479	
4	Body	CF8M/A351	C37700/B283
5	Connection O-ring	PTFE	
6	End Connection	316 SS/A479	C36000/B16
7	Seat	PTFE or PCTFE or PEEK	
8	Seat Packing	PTFE	
9	Seat Retainer	316 SS/A479	
10	Ball	316 SS/A479	
11	Trunnion Bearing	PEEK	
12	Stem Back-up Ring	PEEK	
13	Stem Packing	PTFE	
14	Stem Washer	316 SS/A479	
15	Stem	316 SS/A479	
16	Set Screw	Galvanized carbon Steel	
	Lubricants	Fluorinated-based	

Note: Wetted components are listed in italics.
For other materials, please contact FITOK Group or our authorized distributors.

Dimensions

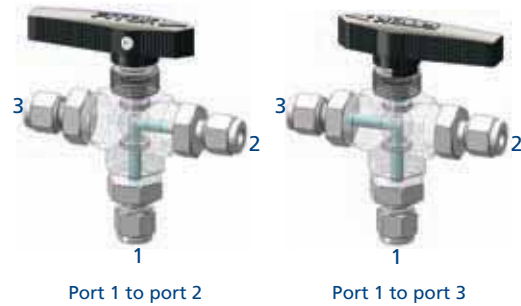
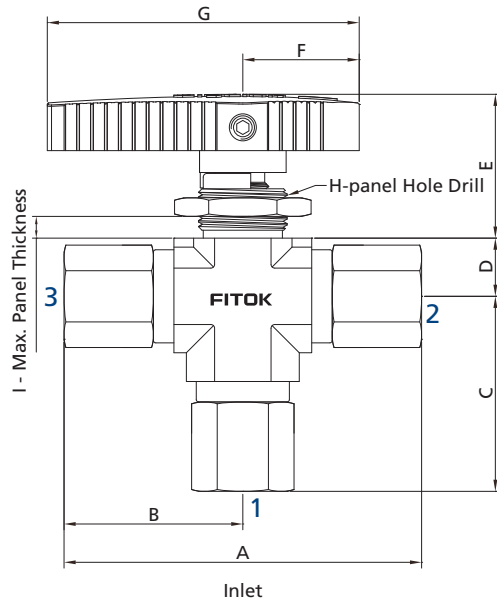
Straight Valves



B-48 Ball Valves

Basic Ordering Number	Connection Type and Size	Pressure Rating of End Connections @ 100°F (38°C) psig (bar)		Orifice in. (mm)	Cv	Dimensions, in. (mm)								
		Connection 1/2	316 SS			Brass	A	B	C	D	E	F	G	H
BV□□-FL1-01	1/16" FITOK	6000 (414)	3000 (207)	0.05 (1.3)	0.06	2.60 (66.0)	1.30 (33.0)	0.36 (9.2)	0.33 (8.5)	0.94 (23.9)	0.79 (20.0)	1.97 (50.0)	0.58 (14.7)	0.18 (4.6)
BV□□-FL2-02	1/8" FITOK	6000 (414)	3000 (207)	0.09 (2.4)	0.21	2.72 (69.0)	1.36 (34.5)							
BV□□-ML3-02	3 mm FITOK	6000 (414)	3000 (207)			2.74 (69.6)	1.37 (34.8)							
BV□□-FRT2-04	1/8 Female BSPT	6000 (414)	3000 (207)	0.17 (4.2)	0.93	2.14 (54.4)	1.07 (27.2)	0.36 (9.2)	0.33 (8.5)	0.94 (23.9)	0.79 (20.0)	1.97 (50.0)	0.58 (14.7)	0.18 (4.6)
BV□□-FRP2-04	1/8 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS2-04	1/8 Female NPT	6000 (414)	3000 (207)											
BV□□-RT2-04	1/8 Male BSPT	6000 (414)	3000 (207)			2.36 (60.0)	1.18 (30.0)							
BV□□-BP2-04	1/8 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS2-04	1/8 Male NPT	6000 (414)	3000 (207)											
BV□□-RT4-04	1/4 Male BSPT	6000 (414)	3000 (207)			2.70 (68.6)	1.35 (34.3)							
BV□□-BP4-04	1/4 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS4-04	1/4 Male NPT	6000 (414)	3000 (207)											
BV□□-FL4-05	1/4" FITOK	6000 (414)	3000 (207)	0.19 (4.7)	1.04	3.48 (88.4)	1.74 (44.2)	0.48 (12.2)	0.48 (12.2)	1.24 (31.5)	0.59 (25.0)	2.64 (67.0)	0.77 (19.6)	0.25 (6.4)
BV□□-ML6-05	6 mm FITOK	6000 (414)	3000 (207)			3.50 (89.0)	1.75 (44.5)							
BV□□-FL6-06	3/8" FITOK	6000 (414)	2200 (152)	0.25 (6.4)	2.34	3.60 (91.4)	1.80 (45.7)							
BV□□-ML8-06	8 mm FITOK	6000 (414)	2300 (159)			3.56 (90.4)	1.78 (45.2)							
BV□□-ML10-06	10 mm FITOK	6000 (414)	1900 (131)			3.62 (92.0)	1.81 (46.0)							
BV□□-FRT4-06	1/4 Female BSPT	6000 (414)	3000 (207)			3.02 (76.8)	1.51 (38.4)							
BV□□-FRP4-06	1/4 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS4-06	1/4 Female NPT	6000 (414)	3000 (207)			3.24 (82.2)	1.62 (41.1)							
BV□□-RT4-06	1/4 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP4-06	1/4 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS4-06	1/4 Male NPT	6000 (414)	3000 (207)											
BV□□-RT6-06	3/8 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP6-06	3/8 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS6-06	3/8 Male NPT	6000 (414)	3000 (207)			0.41 (10.3)	6.42	4.68 (118.8)	2.34 (59.4)	0.75 (19.0)	0.71 (18.0)	1.54 (39.0)	1.42 (36.0)	3.78 (96.0)
BV□□-FL8-10	1/2" FITOK	6000 (414)	2100 (145)	4.66 (118.4)	2.33 (59.2)									
BV□□-FL12-10	3/4" FITOK	5800 (400)	1800 (124)			0.37 (9.5)	5.57							
BV□□-ML12-10	12 mm FITOK	6000 (414)	2000 (138)	0.41 (10.3)	6.42			4.66 (118.4)	2.33 (59.2)	0.75 (19.0)	0.71 (18.0)	1.54 (39.0)	1.42 (36.0)	3.78 (96.0)
BV□□-ML14-10	14 mm FITOK	6000 (414)	1900 (131)											
BV□□-ML16-10	16 mm FITOK	5800 (400)	1700 (117)											
BV□□-ML18-10	18 mm FITOK	5400 (372)	1600 (110)											
BV□□-ML20-10	20 mm FITOK	5500 (379)	1600 (110)			4.84 (123.0)	2.42 (61.5)							
BV□□-ML22-10	22 mm FITOK	4900 (338)	1450 (100)											
BV□□-FRT6-10	3/8 Female BSPT	6000 (414)	3000 (207)			3.90 (99.0)	1.95 (49.5)							
BV□□-FRP6-10	3/8 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS6-10	3/8 Female NPT	6000 (414)	3000 (207)			4.30 (109.2)	2.15 (54.6)							
BV□□-FRT8-10	1/2 Female BSPT	6000 (414)	3000 (207)											
BV□□-FRP8-10	1/2 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS8-10	1/2 Female NPT	6000 (414)	3000 (207)											
BV□□-FRT12-10	3/4 Female BSPT	6000 (414)	3000 (207)	4.30 (109.2)	2.15 (54.6)									
BV□□-FRP12-10	3/4 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS12-10	3/4 Female NPT	6000 (414)	3000 (207)	4.50 (114.2)	2.25 (57.1)									
BV□□-RT8-10	1/2 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP8-10	1/2 Male BSPP	6000 (414)	3000 (207)	4.44 (112.8)	2.22 (56.4)									
BV□□-NS8-10	1/2 Male NPT	6000 (414)	3000 (207)											
BV□□-RT12-10	3/4 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP12-10	3/4 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS12-10	3/4 Male NPT	6000 (414)	3000 (207)											

3-way Valves

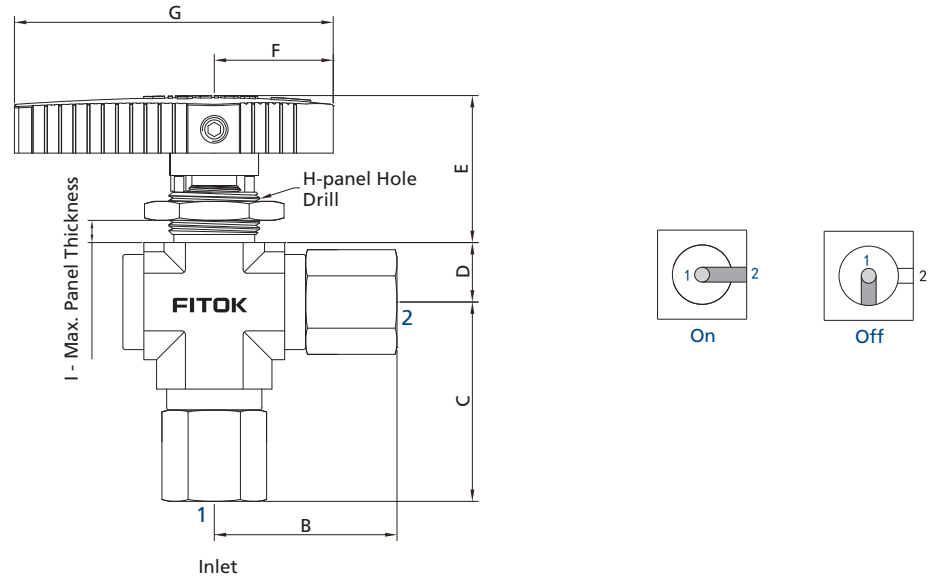


Basic Ordering Number	Connection Type and Size	Pressure Rating of End Connections @ 100°F (38°C), psig (bar)		Orifice in. (mm)	Cv	Dimensions, in. (mm)								
		316 SS	Brass			A	B	C	D	E	F	G	H	I
BV□□-FL1-01-3	1/16" FITOK	6000 (414)	3000 (207)	0.05 (1.3)	0.06	2.60 (66.0)	1.30 (33.0)	1.35 (34.3)						
BV□□-FL2-02-3	1/8" FITOK	6000 (414)	3000 (207)	0.09 (2.4)	0.21	2.72 (69.0)	1.36 (34.5)	1.41 (35.8)						
BV□□-ML3-02-3	3 mm FITOK	6000 (414)	3000 (207)			2.74 (69.6)	1.37 (34.8)	1.42 (36.1)						
BV□□-FRT2-04-3	1/8 Female BSPT	6000 (414)	3000 (207)			2.14 (54.4)	1.07 (27.2)	1.12 (28.5)						
BV□□-FRP2-04-3	1/8 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS2-04-3	1/8 Female NPT	6000 (414)	3000 (207)						0.33 (8.5)	0.94 (23.9)	0.79 (20.0)	1.97 (50.0)	0.58 (14.7)	0.18 (4.6)
BV□□-RT2-04-3	1/8 Male BSPT	6000 (414)	3000 (207)			2.36 (60.0)	1.18 (30.0)	1.23 (31.3)						
BV□□-BP2-04-3	1/8 Male BSPP	6000 (414)	3000 (207)	0.12 (3.0)	0.28									
BV□□-NS2-04-3	1/8 Male NPT	6000 (414)	3000 (207)											
BV□□-RT4-04-3	1/4 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP4-04-3	1/4 Male BSPP	6000 (414)	3000 (207)			2.70 (68.6)	1.35 (34.3)	1.40 (35.6)						
BV□□-NS4-04-3	1/4 Male NPT	6000 (414)	3000 (207)											
BV□□-FL4-05-3	1/4" FITOK	6000 (414)	3000 (207)			3.48 (88.4)	1.74 (44.2)	1.88 (47.7)						
BV□□-ML6-05-3	6 mm FITOK	6000 (414)	3000 (207)			3.50 (89.0)	1.75 (44.5)	1.89 (48.0)						
BV□□-FL6-06-3	3/8" FITOK	6000 (414)	3000 (207)			3.60 (91.4)	1.80 (45.7)	1.94 (49.2)						
BV□□-ML8-06-3	8 mm FITOK	6000 (414)	3000 (207)			3.56 (90.4)	1.78 (45.2)	1.92 (48.7)						
BV□□-ML10-06-3	10 mm FITOK	6000 (414)	3000 (207)			3.62 (92.0)	1.81 (46.0)	1.95 (49.5)						
BV□□-FRT4-06-3	1/4 Female BSPT	6000 (414)	3000 (207)											
BV□□-FRP4-06-3	1/4 Female BSPP	6000 (414)	3000 (207)			3.02 (76.8)	1.51 (38.4)	1.65 (41.9)	0.48 (12.2)	1.24 (31.5)	0.59 (25.0)	2.64 (67.0)	0.77 (19.6)	0.25 (6.4)
BV□□-FNS4-06-3	1/4 Female NPT	6000 (414)	3000 (207)											
BV□□-RT4-06-3	1/4 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP4-06-3	1/4 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS4-06-3	1/4 Male NPT	6000 (414)	3000 (207)											
BV□□-RT6-06-3	3/8 Male BSPT	6000 (414)	3000 (207)			3.24 (82.2)	1.62 (41.1)	1.76 (44.6)						
BV□□-BP6-06-3	3/8 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS6-06-3	3/8 Male NPT	6000 (414)	3000 (207)											

B-50 Ball Valves

Basic Ordering Number	Connection Type and Size	Pressure Rating of End Connections @ 100°F (38°C), psig (bar)		Orifice in. (mm)	Cv	Dimensions, in. (mm)								
	Connection 1/2/3	316 SS	Brass			A	B	C	D	E	F	G	H	I
BV□□-FL8-10-3	1/2" FITOK	6000 (414)	2100 (145)	0.37 (9.5)	3.48	4.68 (118.8)	2.34 (59.4)	2.68 (68.1)	0.71 (18.0)	1.54 (39.0)	1.42 (36.0)	3.78 (96.0)	0.90 (22.9)	0.38 (9.7)
BV□□-FL12-10-3	3/4" FITOK	5800 (400)	1800 (124)			4.66(118.4)	2.33 (59.2)	2.67 (67.9)						
BV□□-ML12-10-3	12 mm FITOK	6000 (414)	2000 (138)											
BV□□-ML14-10-3	14 mm FITOK	6000 (414)	1900 (131)											
BV□□-ML16-10-3	16 mm FITOK	5800 (400)	1700 (117)			4.84 (123.0)	2.42 (61.5)	2.76 (70.2)						
BV□□-ML18-10-3	18 mm FITOK	5400 (372)	1600 (110)											
BV□□-ML20-10-3	20 mm FITOK	5500 (379)	1600 (110)											
BV□□-ML22-10-3	22 mm FITOK	4900 (338)	1450 (100)			3.90 (99.0)	1.95 (49.5)	2.29 (58.2)						
BV□□-FRT6-10-3	3/8 Female BSPT	6000 (414)	3000 (207)											
BV□□-FRP6-10-3	3/8 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS6-10-3	3/8 Female NPT	6000 (414)	3000 (207)			4.30 (109.2)	2.15 (54.6)	2.49 (63.3)						
BV□□-FRT8-10-3	1/2 Female BSPT	6000 (414)	3000 (207)			3.97 (101.0)	1.99 (50.5)	2.33 (59.1)						
BV□□-FRP8-10-3	1/2 Female BSPP	6000 (414)	3000 (207)			4.30 (109.2)	2.15 (54.6)	2.49 (63.3)						
BV□□-FNS8-10-3	1/2 Female NPT	6000 (414)	3000 (207)			4.50 (114.2)	2.25 (57.1)	2.59 (65.8)						
BV□□-FRT12-10-3	3/4 Female BSPT	6000 (414)	3000 (207)											
BV□□-FRP12-10-3	3/4 Female BSPP	6000 (414)	3000 (207)											
BV□□-FNS12-10-3	3/4 Female NPT	6000 (414)	3000 (207)			4.44 (112.8)	2.22 (56.4)	2.56 (65.1)						
BV□□-RT8-10-3	1/2 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP8-10-3	1/2 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS8-10-3	1/2 Male NPT	6000 (414)	3000 (207)											
BV□□-RT12-10-3	3/4 Male BSPT	6000 (414)	3000 (207)											
BV□□-BP12-10-3	3/4 Male BSPP	6000 (414)	3000 (207)											
BV□□-NS12-10-3	3/4 Male NPT	6000 (414)	3000 (207)											

Angle Pattern Valves



Basic Ordering Number	Connection Type and Size	Pressure Rating of End Connections @ 100°F (38°C), psig (bar)		Orifice in. (mm)	Cv	Dimensions, in. (mm)							
		316 SS	Brass			B	C	D	E	F	G	H	I
BV□□-FL1-01-A	1/16" FITOK	6000 (414)	3000 (207)	0.05 (1.3)	0.06	1.30 (33.0)	1.35 (34.3)						
BV□□-FL2-02-A	1/8" FITOK	6000 (414)	3000 (207)	0.09 (2.4)	0.21	1.36 (34.5)	1.41 (35.8)						
BV□□-ML3-02-A	3 mm FITOK	6000 (414)	3000 (207)			1.37 (34.8)	1.42 (36.1)						
BV□□-FRT2-04-A	1/8 Female BSPT	6000 (414)	3000 (207)			1.07 (27.2)	1.12 (28.5)						
BV□□-FRP2-04-A	1/8 Female BSPP	6000 (414)	3000 (207)										
BV□□-FNS2-04-A	1/8 Female NPT	6000 (414)	3000 (207)					0.33 (8.5)	0.94 (23.9)	0.79 (20.0)	1.97 (50.0)	0.58 (14.7)	0.18 (4.6)
BV□□-RT2-04-A	1/8 Male BSPT	6000 (414)	3000 (207)			1.18 (30.0)	1.23 (31.3)						
BV□□-BP2-04-A	1/8 Male BSPP	6000 (414)	3000 (207)										
BV□□-NS2-04-A	1/8 Male NPT	6000 (414)	3000 (207)										
BV□□-RT4-04-A	1/4 Male BSPT	6000 (414)	3000 (207)										
BV□□-BP4-04-A	1/4 Male BSPP	6000 (414)	3000 (207)			1.35 (34.3)	1.40 (35.6)						
BV□□-NS4-04-A	1/4 Male NPT	6000 (414)	3000 (207)										
BV□□-FL4-05-A	1/4" FITOK	6000 (414)	3000 (207)			1.74 (44.2)	1.88 (47.7)						
BV□□-ML6-05-A	6 mm FITOK	6000 (414)	3000 (207)			1.75 (44.5)	1.89 (48.0)						
BV□□-FL6-06-A	3/8" FITOK	6000 (414)	2200 (152)			1.80 (45.7)	1.94 (49.2)						
BV□□-ML8-06-A	8 mm FITOK	6000 (414)	2300 (159)			1.78 (45.2)	1.92 (48.7)						
BV□□-ML10-06-A	10 mm FITOK	6000 (414)	1900 (131)			1.81 (46.0)	1.95 (49.5)						
BV□□-FRT4-06-A	1/4 Female BSPT	6000 (414)	3000 (207)										
BV□□-FRP4-06-A	1/4 Female BSPP	6000 (414)	3000 (207)			1.51 (38.4)	1.65 (41.9)	0.48 (12.2)	1.24 (31.5)	0.59 (25.0)	2.64 (67.0)	0.77 (19.6)	0.25 (6.4)
BV□□-FNS4-06-A	1/4 Female NPT	6000 (414)	3000 (207)										
BV□□-RT4-06-A	1/4 Male BSPT	6000 (414)	3000 (207)										
BV□□-BP4-06-A	1/4 Male BSPP	6000 (414)	3000 (207)										
BV□□-NS4-06-A	1/4 Male NPT	6000 (414)	3000 (207)										
BV□□-RT6-06-A	3/8 Male BSPT	6000 (414)	3000 (207)										
BV□□-BP6-06-A	3/8 Male BSPP	6000 (414)	3000 (207)										
BV□□-NS6-06-A	3/8 Male NPT	6000 (414)	3000 (207)			1.62 (41.1)	1.76 (44.6)						

B-52 Ball Valves

Basic Ordering Number	Connection Type and Size	Pressure Rating of End Connections @ 100°F (38°C), psig (bar)		Orifice in. (mm)	Cv	Dimensions, in. (mm)							
	Connection 1/2	316 SS	Brass			B	C	D	E	F	G	H	I
BV□□-FL8-10-A	1/2" FITOK	6000 (414)	2100 (145)	0.37 (9.5)	3.48	2.34(59.4)	2.68(68.1)	0.71 (18.0)	1.54 (39.0)	1.42 (36.0)	3.78 (96.0)	0.90 (22.9)	0.38 (9.7)
BV□□-FL12-10-A	3/4" FITOK	5800 (400)	1800 (124)			2.33 (59.2)	2.67 (67.9)						
BV□□-ML12-10-A	12 mm FITOK	6000 (414)	2000 (138)										
BV□□-ML14-10-A	14 mm FITOK	6000 (414)	1900 (131)										
BV□□-ML16-10-A	16 mm FITOK	5800 (400)	1700 (117)										
BV□□-ML18-10-A	18 mm FITOK	5400 (372)	1600 (110)										
BV□□-ML20-10-A	20 mm FITOK	5500 (379)	1600 (110)										
BV□□-ML22-10-A	22 mm FITOK	4900 (338)	1450 (100)										
BV□□-FRT6-10-A	3/8 Female BSPT	6000 (414)	3000 (207)										
BV□□-FRP6-10-A	3/8 Female BSPP	6000 (414)	3000 (207)										
BV□□-FNS6-10-A	3/8 Female NPT	6000 (414)	3000 (207)										
BV□□-FRT8-10-A	1/2 Female BSPT	6000 (414)	3000 (207)										
BV□□-FRP8-10-A	1/2 Female BSPP	6000 (414)	3000 (207)										
BV□□-FNS8-10-A	1/2 Female NPT	6000 (414)	3000 (207)										
BV□□-FRT12-10-A	3/4 Female BSPT	6000 (414)	3000 (207)										
BV□□-FRP12-10-A	3/4 Female BSPP	6000 (414)	3000 (207)										
BV□□-FNS12-10-A	3/4 Female NPT	6000 (414)	3000 (207)										
BV□□-RT8-10-A	1/2 Male BSPT	6000 (414)	3000 (207)										
BV□□-BP8-10-A	1/2 Male BSPP	6000 (414)	3000 (207)										
BV□□-NS8-10-A	1/2 Male NPT	6000 (414)	3000 (207)										
BV□□-RT12-10-A	3/4 Male BSPT	6000 (414)	3000 (207)										
BV□□-BP12-10-A	3/4 Male BSPP	6000 (414)	3000 (207)										
BV□□-NS12-10-A	3/4 Male NPT	6000 (414)	3000 (207)										

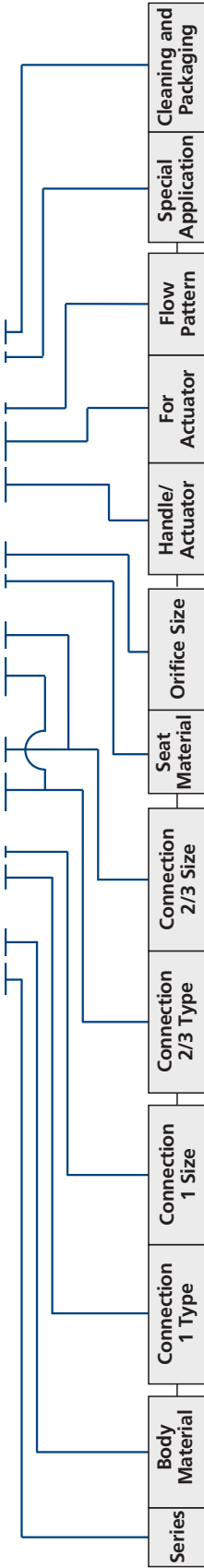
1. FITOK means FITOK double ferrule tube fittings.

2. Sizes and types listed are standard. Other sizes and types are available upon request, please contact FITOK Group or our authorized distributors.

3. Dimensions are shown with tube fitting nuts finger-tightened. All dimensions are for reference only and are subject to change.

For dimensions not shown above, please contact FITOK Group or our authorized distributors.

BVSS - FL8 - ML12 - ML10 - P06 - RXHQ3 - SF2



Series	Body Material	Connection 1 Type	Connection 1 Size	Connection 2/3 Type	Connection 2/3 Size	Seat Material	Orifice Size	Handle/Actuator	For Actuator	Flow Pattern	Special Application	Cleaning and Packaging
BV	SS CF8M	FNS	Female NPT	2 1/8"	Same as Connection 1	PTFE	02	Black Nylon	NO	NO	Straight	No
	6L CF3M	NS	Male NPT	3 3 mm	Specify in the same way as the Connection 1 type and size	K PCTFE	03	Red Nylon	H	Mechanical Limit Switch	Angle (Bottom Port Inlet)	NACE MR0175
	S4 CF8	FRT	Female BSPT	4 1/4"		P PEEK	04	Green Nylon	N	Inductive Limit Switch	3-Way (Diverter Valve)	
	B Brass	RT	Male BSPT	5 5/16"			05	Blue Nylon	Q	Solenoid Valve		FC-01
		FMS	Female Metric Thread (for RG)	6 3/8" or 6 mm or M6 x 1			06	Yellow Nylon	HQ	Mechanical Limit Switch and Solenoid Valve		FC-02
		MS	Male Metric Thread (for RG)	8 1/2" or 8 mm			10	Black Aluminium		Inductive Limit Switch and Solenoid Valve		
		FRP	Female BSPP (For RP)	10 10 mm or M10 x 1				90° Normally Closed Spring Return Pneumatic Actuator				
		BP	Male BSPP (For RG)	12 3/4" or 12 mm				CS				
		FL	Fractional Tube Fitting	14 14 mm or M14 x 1.5				OS	90° Normally Open Spring Return Pneumatic Actuator			
		ML	Metric Tube Fitting	16 16 mm				DA	90° Double Acting Pneumatic Actuator			
		UFB	Nut + Gasket + Fractional Tube Bulged Nipple	18 18 mm				LX	180° Left End Normally Open Spring Return Pneumatic Actuator			
		UMB	Nut + Gasket + Metric Tube Bulged Nipple	20 20 mm or M20 x 1.5				RX	180° Right End Normally Open Spring Return Pneumatic Actuator			
		UPB	Nut + Gasket + Pipe Bulged Nipple	22 22 mm or M22 x 1.5				DX	180° Double Acting Pneumatic Actuator			
				24 M24 x 1.5				EA	90° Electric Actuator			
								EX	180° Electric Actuator			

Note: "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.

- Standard thread pitch for metric threads are as follows:
M10 and below: 1 mm
M12 to M24: 1.5 mm
Standard thread pitch should be omitted in the ordering number, others should be specified.
For oxygen-enriched environment or hazardous media service, contact FITOK Group or our authorized distributors.
- Cleaning and Packaging:
FC-01: Standard cleaning and packaging for general industrial procedures.
FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleaning requirement of ASTM G93 Level C.
- For more information about pneumatic actuator, please contact FITOK Group or our authorized distributors.

Note: "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.

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3. Cleaning and Packaging:
 - FC-01: Standard cleaning and packaging for general industrial procedures.
 - FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleaning requirement of ASTM G93 Level C.

4. For more information about pneumatic actuator ball valves, please refer to the catalog **Automatic Control Ball Valves**.



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