



Trunnion Ball Valves

VUBV SERIES

Thanks to you!

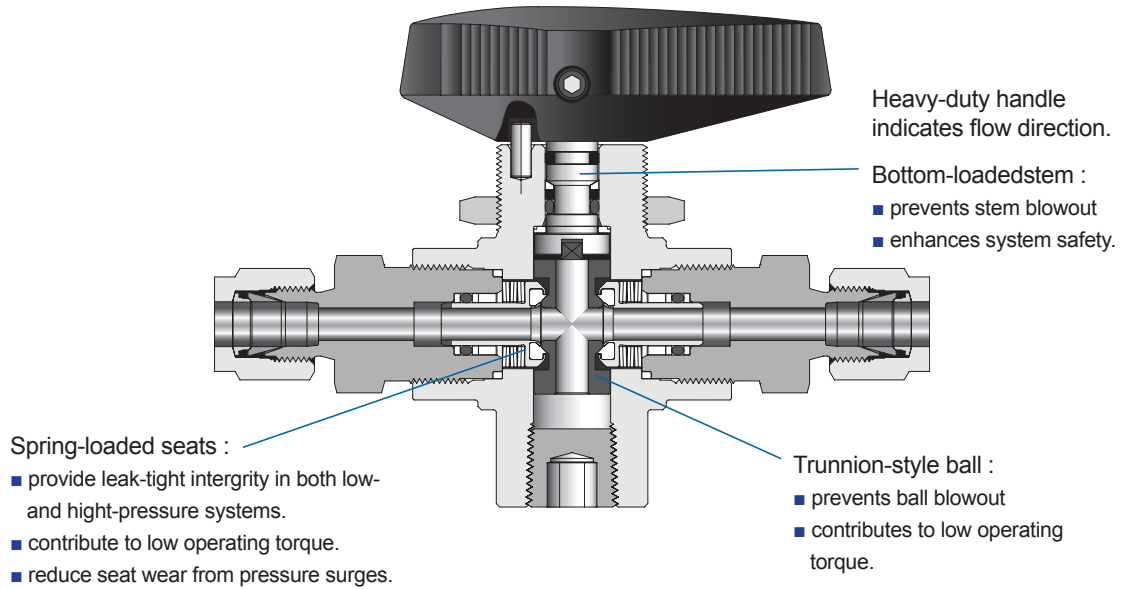


Fujikin Carp Group

Features

Features

- Compact, maximum-flow design
- Low operating torque



Important Information About Ball Valves

- FUJIKIN ball valves are designed to be used in a fully open or fully closed position.
- Valves that have not been cycled for a period of time may have a higher initial actuation torque.

Technical Data

Seat Material	Temperature Rating °F (°C)	Pressure Rating at 100°F (37°C) psig (bar)
		Stainless Steel
VUBV-941 Series		
PEEK	0 to 450 (-17 to 232)	6000 (413)
VUBV-968 Series		
PEEK	0 to 450 (-17 to 232)	6000 to 10,000 (413 to 689) depending on end connection

Pressure-Temperature Ratings

VUBV-941 Series

- Pressure-temperature ratings for VUBV-941 series valves are based on listed seat materials, fluorocarbon FKM O-rings, and C- PTFE backup rings.

Material	ASTM A479 316
Seat Material	PEEK
Temperature, °F (°C)	Working Pressure, psig (bar)
32 (0) to 100 (37)	6000 (413)
150 (65)	5800 (399)
200 (93)	5000 (344)
250 (121)	4100 (282)
300 (148)	3200 (220)
350 (176)	2300 (158)
400 (204)	1400 (96.4)
450 (232)	500 (34.4)

* Please contact Fujikin beforehand if you are planning to use this valve at lower temperature than 32°F(0°C).

VUBV-968 Series

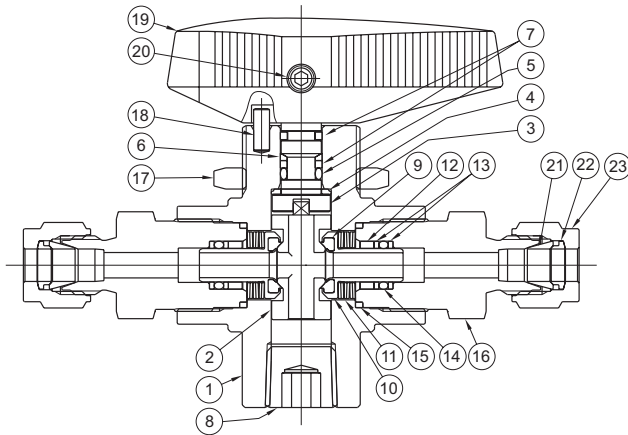
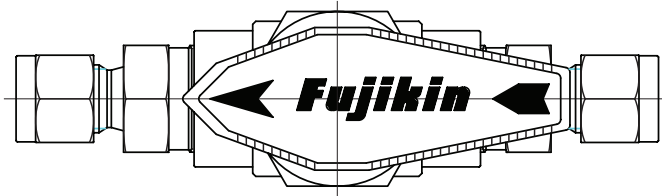
- Pressure-temperature ratings for VUBV-968 series valves are based on PEEK seats, fluorocarbon FKM O-rings, and C- PTFE backup rings.

Material	ASTM A479 316				
Ordering Number	VUBV-968P-6.35 VUBV-168PBN	VUBV-968P-10	VUBV-968P-9.52 VUBV-968P-8	VUBV-968P-12.7	VUBV-968P-12
Temperature, °F(°C)	Working Pressure, psig (bar)				
32 (0) to 100 (37)	10000 (689)	8400 (578)	7500 (516)	6700 (461)	6600 (454)
150 (65)	7500 (516)	7500 (516)	7500 (516)	6700 (461)	6600 (454)
200 (93)	5000 (344)	5000 (344)	5000 (344)	5000 (344)	5000 (344)
250 (121)	4100 (282)	4100 (282)	4100 (282)	4100 (282)	4100 (282)
300 (148)	3200 (220)	3200 (220)	3200 (220)	3200 (220)	3200 (220)
350 (176)	2300 (158)	2300 (158)	2300 (158)	2300 (158)	2300 (158)
400 (204)	1400 (96.4)	1400 (96.4)	1400 (96.4)	1400 (96.4)	1400 (96.4)
450 (232)	500 (34.4)	500 (34.4)	500 (34.4)	500 (34.4)	500 (34.4)

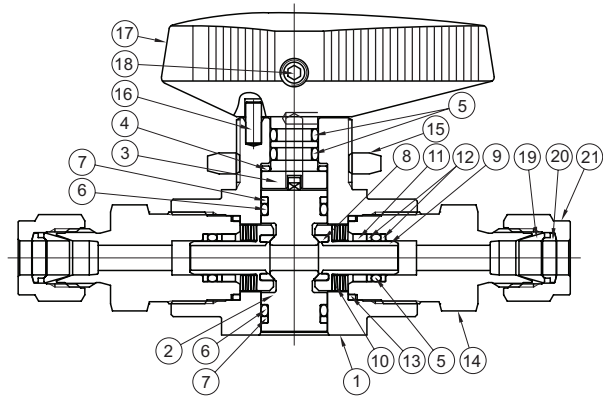
* Please contact Fujikin beforehand if you are planning to use this valve at lower temperature than 32°F(0°C).

Materials of Construction

VUBV-968 Sereis



VUBV-941 Sereis



No.	Name of Parts	Material
1	BODY	ASTM A479 316
2	BALL	ASTM A276 316
3	STEM	ASTM A276 316
4	STEM BEARING	PEEK
5	STEM O-RING	FKM
6	STEM BACKUP RING1	PEEK
7	STEM BACKUP RING2	PTFE
8	PLUG	ASTM A479 316
9	SEATS	PEEK
10	SEAT CARRIERS	ASTM A276 316
11	DISC SPRINGS	ALLOY X-750
12	SEAT CARRIER GUIDES	ASTM A276 316
13	SEAT CARRIER BACKUP RINGS	C-PTFE
14	SEAT CARRIER O-RINGS	FKM
15	END SCREW SEALS	PTFE
16	END SCREWS	ASTM A479 316
17	PANEL NUT	ASTM A276 304
18	STOP PIN	STAINLESS STEEL
19	HANDLE	PHENOLIC RESIN + C3604B
20	SET SCREW	S17400
Lubricants		Molybdenum disulfide based and fluorinated-based

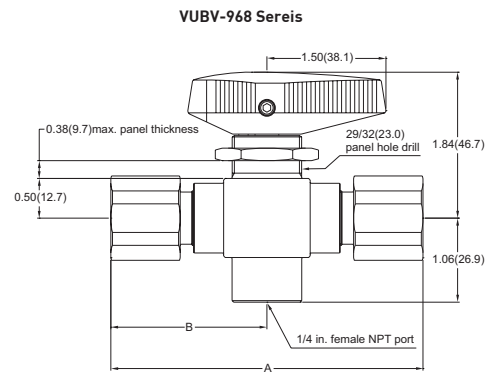
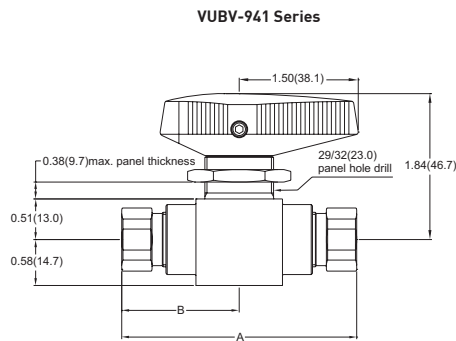
① Ball trunnions are PTFE coated.

No.	Name of Parts	Material
1	BODY	ASTM A479 316
2	BALL	ASTM A276 316
3	STEM	ASTM A276 316
4	STEM BEARING	C-PTFE
5	O-RINGS(1)	FKM
6	O-RINGS(2)	FKM
7	BACKUP RINGS	C-PTFE
8	SEATS	PEEK
9	SEAT CARRIERS	ASTM A276 316
10	DISC SPRINGS	ALLOY X-750
11	SEAT CARRIER GUIDES	ASTM A276 316
12	SEAT CARRIER BACKUP RINGS	C-PTFE
13	END SCREW SEALS	PTFE
14	END SCREWS	ASTM A479 316
15	PANEL NUT	ASTM A276 304
16	STOP PIN	STAINLESS STEEL
17	HANDLE	PHENOLIC RESIN + C3604B
18	SET SCREW	S17400
Lubricants		Fluorinated-based

① Ball trunnions are PTFE coated.

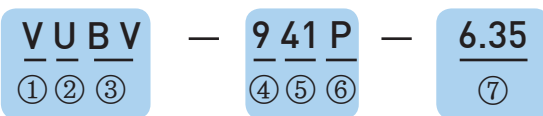
Ordering Information and Dimensions

- Dimensions, in inches (millimeters), are for reference only and are subject to change.
Dimensions shown with V-Lok tube fitting nuts finger-tight.



Ordering Number	End Connections		Size	Orifice, in.(mm)	Dimensions, in.(mm)	
	Inlet/Outlet				A	B
2-Way Valve						
VUBV-141PBN	-	Female NPT	1/4in.	0.187(4.8)	2.94(74.7)	1.47(37.3)
-	VUBV-168PBN				3.93(99.8)	1.97(50.0)
VUBV-941P-6.35	VUBV-968P-6.35	V-Lok	1/4in.	0.187(4.8)	4.14(105)	2.07(52.6)
VUBV-941P-9.52	VUBV-968P-9.52		3/8in.	0.187(4.8)	4.39(112)	2.19(55.6)
VUBV-941P-12.7	VUBV-968P-12.7		1/2in.	0.187(4.8)	4.60(117)	2.30(58.4)
VUBV-941P-6	VUBV-968P-6		6mm	0.187(4.8)	4.14(105)	2.07(52.6)
VUBV-941P-8	VUBV-968P-8		8mm	0.187(4.8)	4.15(105)	2.07(52.6)
VUBV-941P-10	VUBV-968P-10		10mm	0.187(4.8)	4.41(112)	2.20(55.9)
VUBV-941P-12	VUBV-968P-12		12mm	0.187(4.8)	4.60(117)	2.30(58.4)

Ordering Information



- | | | |
|---|---|--|
| <p>① Valve Series</p> <p>② Body Material
ASTMA479 316</p> <p>③ Valve Type
Ball Valves</p> | <p>④ Connection Type
1 : Screwed Type
9 : V-Lok Type</p> <p>⑤ Pressure Rating</p> | <p>⑥ Connection Size
6.35 : V-Lok Ø 6.35
9.52 : V-Lok Ø 9.52
12.7 : V-Lok Ø12.7
6 : V-Lok Ø 6
8 : V-Lok Ø 8
10 : V-Lok Ø10
12 : V-Lok Ø12
AN : 1/8 NPT
BN : 1/4 NPT
DN : 1/2 NPT</p> |
|---|---|--|





Beyond the Flow of Things



Electronic Control Valves

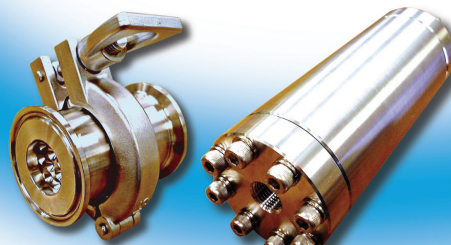
Fujikin provides you with a total solution for your flow control needs.



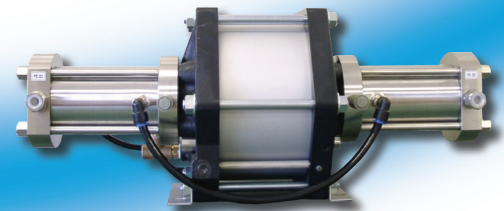
Weirless Diaphragm Valves



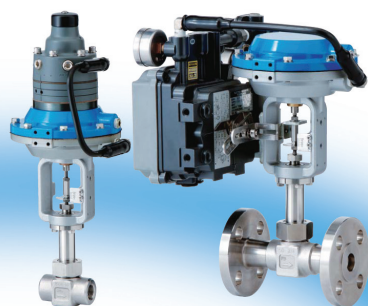
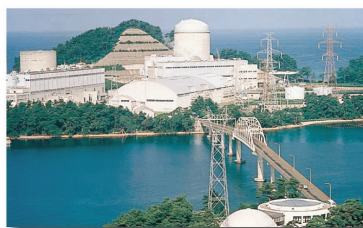
Fine Ceramic Ball Valves
COSMIX



Static Mixer



Provider
Power Unit



Minucon



Integrated Gas System



Flow Control System



Welding,
processing Machine

Fujikin.Carp.Group  **V-Series**
always leads the flow control technology

Fujikin®



Fujikin® Carp® Group

URL <http://www.fujikin.co.jp/> E-mail info@fujikin.co.jp



The Year 2005
The 1st Monozukuri (manufacturing)
Nippon Grand Awards
: Excellence Prize