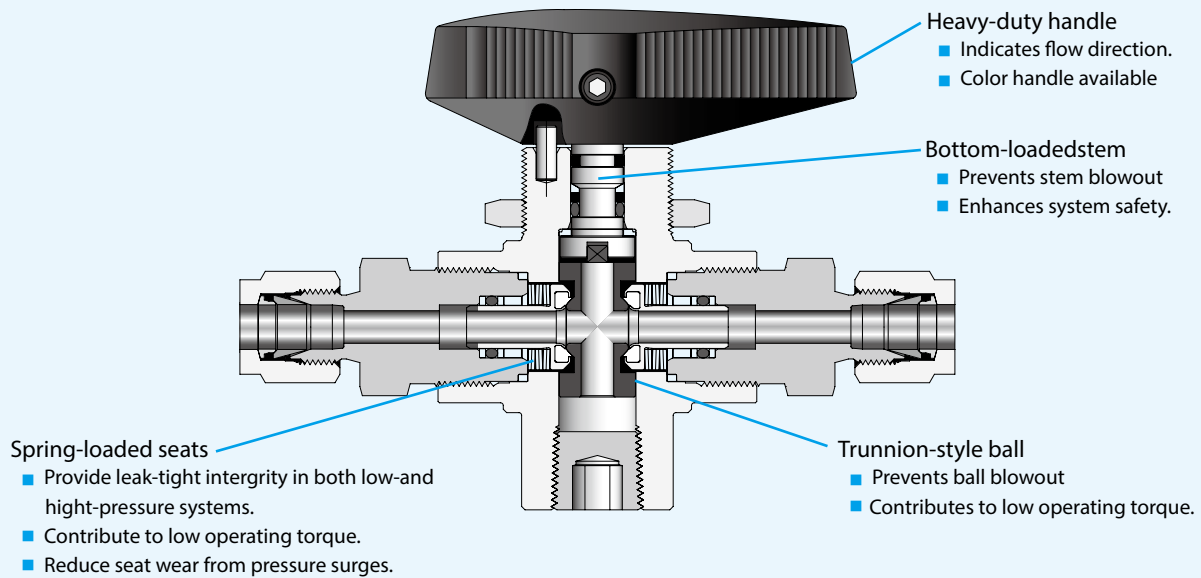


Features

1. Compact, maximum-flow design
2. Low operating torque
3. Flow Pattern: 2-way Type, 3-way Type
4. Panel mountable



Important Information About Ball Valves

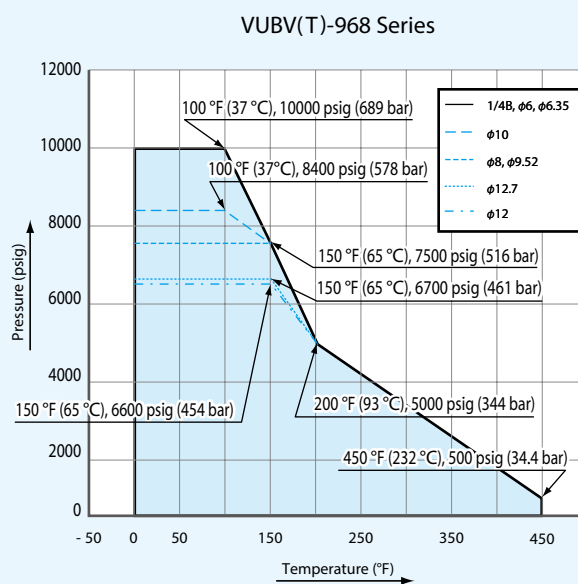
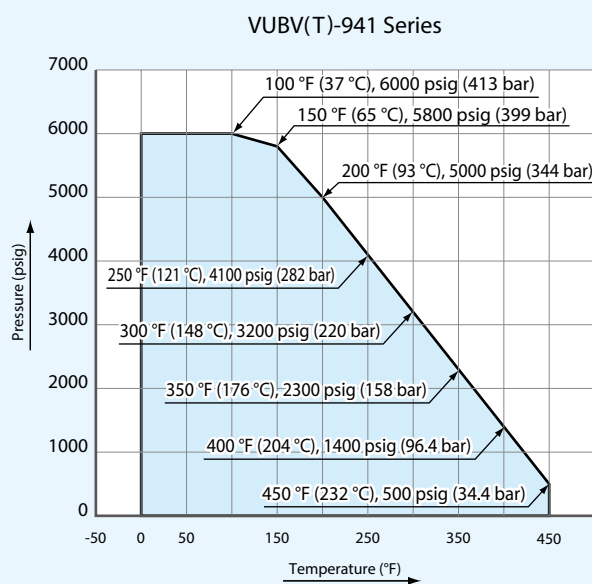
1. **Fujikin** ball valves are designed to be used in a fully open or fully closed position.
2. Valves that have not been cycled for a period of time may have a higher initial actuation torque.

Technical Data

Working Pressure, Temperature Rating

Types	Seat Material	Temperature Rating °F (°C)	Pressure Rating psig (bar)
VUBV -941 Series	PEEK	0 to 450 (-17 to 232)	6000 (413)
VUBV (T)-968 Series			6600 to 10000 (454 to 689) depending on end connection

Temperature and Pressure Rating



Note: Please contact Fujikin beforehand if you are planning to use these valves at lower temperature than 32 °F (0°C).

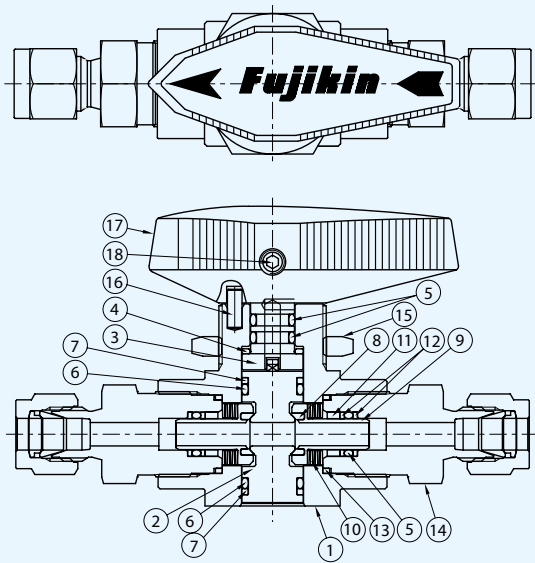
Applicable Fluid

Air, Nitrogeh gas, Inert gas like Helium, and non-corrosive gas and liquid.

Materials of Construction

VUBV-941 Sereis

2-way Type



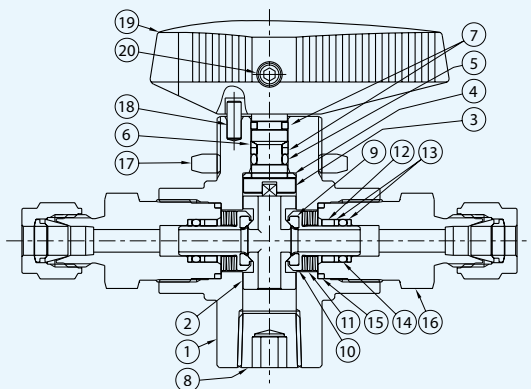
No.	Description	Materials
1	BODY ※	ASTM A479 316
2	BALL ※1 ※	ASTM A276 316
3	STEM	ASTM A276 316
4	STEM BEARING	C-PTFE
5	O-RINGS(1) ※	FKM
6	O-RINGS(2) ※	FKM
7	BACKUP RINGS	C-PTFE
8	SEATS ※	PEEK
9	SEAT CARRIERS ※	ASTM A276 316
10	DISC SPRINGS ※	ALLOY X-750
11	SEAT CARRIER GUIDES ※	ASTM A276 316
12	SEAT CARRIER BACKUP RINGS ※	C-PTFE
13	END SCREW SEALS ※	PTFE
14	END SCREWS ※	ASTM A479 316
15	PANEL NUT	ASTM A276 304 or ASTM A276 316
16	STOP PIN	SUS304
17	HANDLE	PHENOLIC RESIN + C3604B
18	SET SCREW	S17400 or SUS630

※ : Wetted part
※1 : Ball trunnions are PTFE coated.

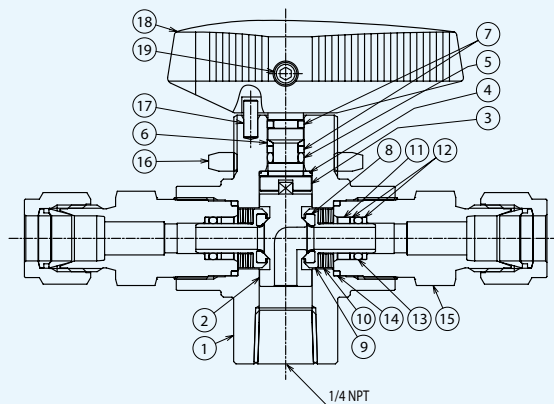
Materials of Construction

VUBV,VUBVT-968 Sereis

2-way Type



3-way Type



No.	Description	Materials
1	BODY ※1	ASTM A479 316
2	BALL ※1 ※2	ASTM A276 316
3	STEM	ASTM A276 316
4	STEM BEARING	PEEK
5	STEM O-RING ※1	FKM
6	STEM BACKUP RING1	PEEK
7	STEM BACKUP RING2	PTFE
8	PLUG ※1	ASTM A479 316
9	SEATS ※1	PEEK
10	SEAT CARRIERS ※1	ASTM A276 316
11	DISC SPRINGS ※1	ALLOY X-750
12	SEAT CARRIER GUIDES ※1	ASTM A276 316
13	SEAT CARRIER BACKUP RINGS ※1	C-PTFE
14	SEAT CARRIER O-RINGS ※1	FKM
15	END SCREW SEALS ※1	PTFE
16	END SCREWS ※1	ASTM A479 316
17	PANEL NUT	ASTM A276 304 or ASTM A276 316
18	STOP PIN	SUS304
19	HANDLE	PHENOLIC RESIN + C3604B
20	SET SCREW	S17400 or SUS630

※1 : Wetted part

※2 : Ball trunnions are PTFE coated.

No.	Description	Materials
1	BODY ※1	ASTM A479 316
2	BALL ※1 ※2	ASTM A276 316
3	STEM	ASTM A276 316
4	STEM BEARING	PEEK
5	STEM O-RING ※1	FKM
6	STEM BACKUP RING1	PEEK
7	STEM BACKUP RING2	PTFE
8	SEATS ※1	PEEK
9	SEAT CARRIERS ※1	ASTM A276 316
10	DISC SPRINGS ※1	ALLOY X-750
11	SEAT CARRIER GUIDES ※1	ASTM A276 316
12	SEAT CARRIER BACKUP RINGS ※1	C-PTFE
13	SEAT CARRIER O-RINGS ※1	FKM
14	END SCREW SEALS ※1	PTFE
15	END SCREWS ※1	ASTM A479 316
16	PANEL NUT	ASTM A276 304 or ASTM A276 316
17	STOP PIN	SUS304
18	HANDLE	PHENOLIC RESIN + C3604B
19	SET SCREW	S17400 or SUS630

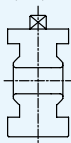
※1 : Wetted part

※2 : Ball trunnions are PTFE coated.

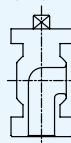
About a BALL shape

There is no No.8 PLUG when being 2-way Type, and it's different shape of No.2 BALL in 3-way Type.

2-way Type Ball

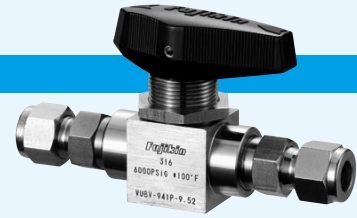


3-way Type Ball

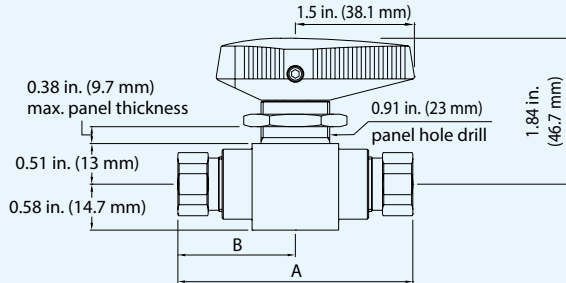


Ordering Information and Dimensions

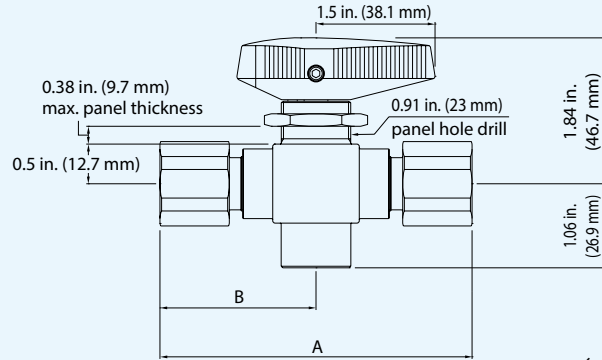
1. Dimensions, in inches (millimeters), are for reference only and are subject to change.
2. Dimensions shown with V-Lok tube fitting nuts finger-tight.



VUBV-141, 941 Type



VUBV, VUBVT-168, 968 Type



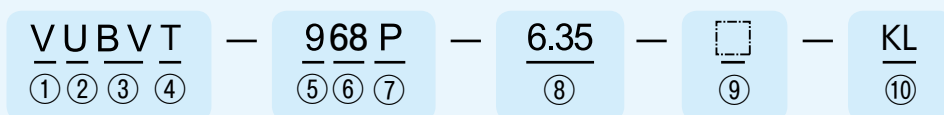
(Unit: mm)

Flow Pattern	Connection	Nominal Dia. Inch (mm)	Orifice Dia. Inch (mm)	Dimensions Inch (mm)		Ordering Numbers	
				A	B		
2-way Type	V-Lok	1/4 (6.35)	4.8	4.13 (105)	2.07 (52.6)	VUBV-941P-6.35	VUBV-968P-6.35
		3/8 (9.52)		4.41 (112)	2.19 (55.6)	VUBV-941P-9.52	VUBV-968P-9.52
		1/2 (12.7)		4.61 (117)	2.3 (58.4)	VUBV-941P-12.7	VUBV-968P-12.7
		- (6)		4.13 (105)	2.07 (52.6)	VUBV-941P-6	VUBV-968P-6
		- (8)				VUBV-941P-8	VUBV-968P-8
		- (10)		4.41 (112)	2.2 (55.9)	VUBV-941P-10	VUBV-968P-10
		- (12)		4.61 (117)	2.3 (58.4)	VUBV-941P-12	VUBV-968P-12
	Female NPT	1/4		2.94 (74.7)	1.47 (37.3)	VUBV-141PBN	-
				3.93 (99.8)	1.97 (50)	-	VUBV-168PBN
3-way Type	V-Lok	6.35 (-)	4.8	4.13 (105)	2.07 (52.6)	-	VUBVT-968P-6.35 ※
		9.52 (-)		4.41 (112)	2.19 (55.6)	-	VUBVT-968P-9.52 ※
		12.7 (-)		4.61 (117)	2.3 (58.4)	-	VUBVT-968P-12.7 ※
		- (6)		4.13 (105)	2.07 (52.6)	-	VUBVT-968P-6 ※
		- (8)				-	VUBVT-968P-8 ※
		- (10)		4.41 (112)	2.2 (55.9)	-	VUBVT-968P-10 ※
		- (12)		4.61 (117)	2.3 (58.4)	-	VUBVT-968P-12 ※
	Female NPT	1/4		3.93 (99.8)	1.97 (50)	-	VUBVT-168PBN ※

※ : Bottom port of all 3-way type valves are 1/4 Female NPT.

※ : Getting ready. Begin to sell it soon.

Ordering Information



- | | | | |
|--|---|--|---|
| ① Valve Series | ⑤ End Connections
1 : Thread Type
9 : V-Lok Type | ⑧ Connection Sizes
6.35 : V-Lok 1/4
9.52 : V-Lok 3/8
12.7 : V-Lok 1/2
6 : V-Lok 6
8 : V-Lok 8
10 : V-Lok 10
12 : V-Lok 12
BN : Female NPT 1/4 in. | ⑨ Handle Color
Blank : Black
B : Blue
G : Green
YR : Orange
RE : Red
Y : Yellow |
| ② Body Material
Stainless Steel | ⑥ Working Pressure
68 : 10000 psi (689 bar) | | ⑩ Key Lock Type
Blank : without Key Lock
KL : with Key Lock |
| ③ Valve Type
Ball Valves | ⑦ Panel Nut | | |
| ④ Flow Pattern
Blank : 2-way Type
T : 3-way Type | | | |

Option

HANDLE COLOR

Standard Handle Color is black.

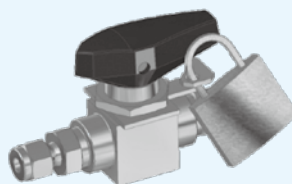
When you ordered a colored handle besides the black.
Please put the relevant symbol to the part number end from beside table.

Ex. Ordering Number in case of you will order blue handle
VUBV-941P-6.35-B

HANDLE Color	The end of Ordering Number
Black	—
Blue	-B
Green	-G
Orange	-YR
Red	-RE
Yellow	-Y

Key Lock & Bracket

- Locking with standard parts for lock, and with a handle of flow direction locking certainly at open or close for 2-way valves
- Possible to fix a locking part on the hole in the bracket or install a distinction tag.
- After installing to a panel, it isn't possible to install a bracket.



Seal Kit

You can buy a Seal Kit at the valve maintenance time.

Valve Series	Kit Contents
VUBV-941 Series (2-way Type)	• INSTRUCTION MANUAL • BALL • STEM BEARING • O-RING(1), O-RING(2) • SEAT ASSEMBLY (SEAT + SEAT CARRIERS) • DISC SPRING • END SCREW SEALS • LUBRICANT • SDS of LUBRICANT
VUBV-968 Series (2-way Type)	• INSTRUCTION MANUAL • BALL • STEM • STEM BEARING • STEM O-RING • STEM BACKUP RING1, 2 • SEAT ASSEMBLY (SEAT + SEAT CARRIERS) • DISC SPRING • END SCREW SEALS • LUBRICANT • SDS of LUBRICANT
VUBVT-968 Series (3-way Type)	• INSTRUCTION MANUAL • BALL • STEM BEARING • STEM O-RING • STEM BACKUP RING1, 2 • SEAT ASSEMBLY (SEAT + SEAT CARRIERS) • DISC SPRING • END SCREW SEALS • LUBRICANT • SDS of LUBRICANT