

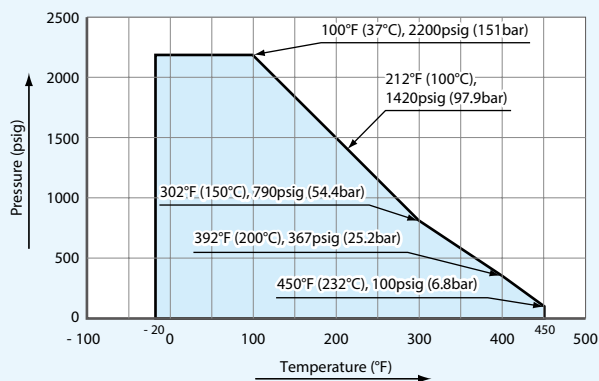
Features

1. Large flowrate with 3 pieces body.
2. ON-OFF by operation of quarter turn.
3. End Connections: **V-Lok** Type, Rc, NPT Female
4. Manual Valves, Automated Valves
(Spring Back, Double Action Type)



Technical Data

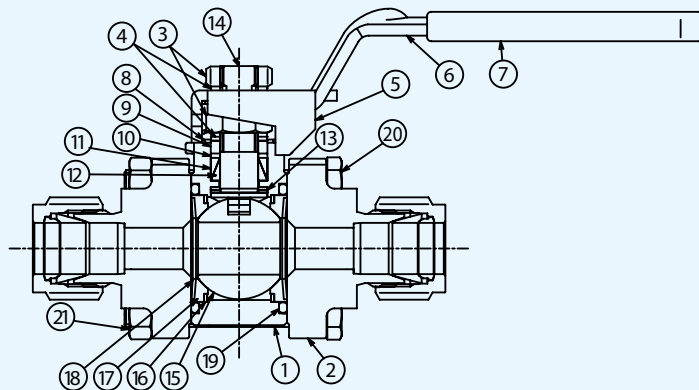
Temperature and Pressure Rating



Applicable Fluid

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

Materials of Construction



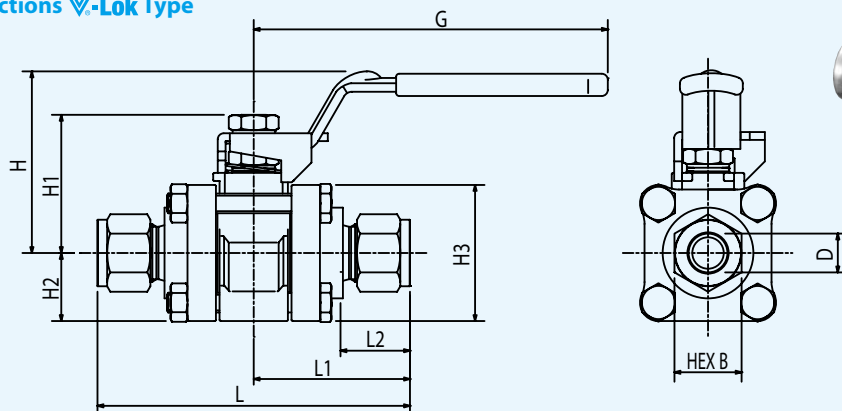
No.	Description	Materials	No.	Description	Materials
1	BODY ※	ASTM A351 CF3M	12	BOTTOM PACKING ※	C - PTFE
2	FLANGE ※	ASTM A351 CF3M	13	STEM BEARING ※	SUS316
3	STEM NUT	ASTM A276 316	14	STEM	ASTM A240 316
4	STEM SPRING	SUS304 - CSP	15	BALL ※	ASTM A240 316 or ASTM A351 CF8M
5	STOP PLATE	ASTM A240 304	16	SUPPORT RING ※	ASTM A240 316
6	HANDLE	ASTM A240 304	17	SEAT ※	C - PTFE
7	HANDLE SLEEVE	VINYL	18	SEAT SPRING ※	SUS304 - CSP
8	EARTH SPRING	ASTM A313 302	19	O-RING ※	FKM
9	GLAND	ASTM B783 316	20	BOLT	SUS316
10	PACKING SUPPORT	PEEK	21	BOLT NUT	SUS316
11	TOP PACKING ※	C - PTFE			

※ : Wetted Parts

Dimensions

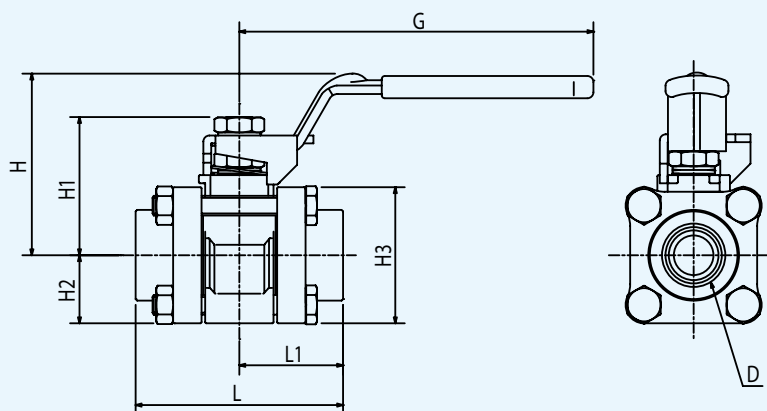
Manual Valves

End Connections V-Lok Type



Sizes D	Orifice in. (mm)	Dimensions inch (mm)									Ordering Numbers
		L	L1	L2	B	H	H1	H2	H3	G	
1/4in.(6.35)	0.189 (4.8)	3.17 (80.5)	1.59 (40.4)	0.6 (15.2)	9/16 in.	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 915 - 6.35
3/8in.(9.52)	0.28 (7.1)	3.17 (80.5)	1.59 (40.4)	0.66 (16.8)	11/16 in.	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 915 - 9.52
1/2in.(12.7)	0.406 (10.3)	4.06 (103)	2.02 (51.3)	0.9 (22.9)	7/8 in.	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 915 - 12.7
3/4in.(19.05)	0.516 (13.1)	4.06 (103)	2.02 (51.3)	0.96 (24.4)	1 - 1/8 in.	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 915 - 19.05
1in.(25.4)	0.874 (22.2)	5.35 (136)	2.68 (68.1)	1.23 (31.2)	1 - 1/2 in.	2.94 (74.7)	2.52 (64)	1.25 (31.8)	2.5 (63.5)	5.98 (152)	VUBV - 915 - 25.4
6	0.189 (4.8)	3.17 (80.5)	1.59 (40.4)	0.6 (15.3)	0.55 (14)	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 915 - 6
8	0.252 (6.4)	3.17 (80.5)	1.59 (40.4)	0.64 (16.2)	0.63 (16)	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 915 - 8
10	0.28 (7.1)	3.2 (81.3)	1.6 (40.6)	0.68 (17.2)	0.75 (19)	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 915 - 10
12	0.374 (9.5)	4.06 (103)	2.02 (51.3)	0.9 (22.8)	0.87 (22)	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 915 - 12

End Connections: Rc Type

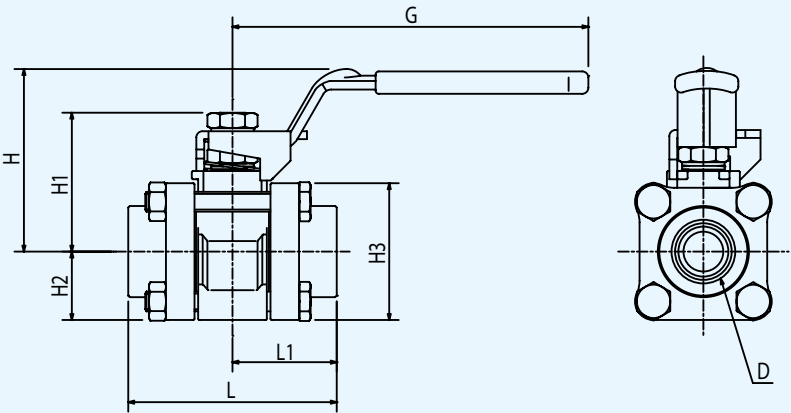


Sizes	Orifice in. (mm)	End Connections D	Dimensions inch (mm)							Ordering Numbers
			L	L1	H	H1	H2	H3	G	
1/4 in.	0.28 (7.1)	Rc 1/4	2.16 (54.9)	1.08 (27.4)	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 115B
3/8 in.	0.516 (13.1)	Rc 3/8	2.7 (68.6)	1.35 (34.3)	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 115C
1/2 in.	0.516 (13.1)	Rc 1/2	2.7 (68.6)	1.35 (34.3)	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 115D
3/4 in.	0.874 (22.2)	Rc 3/4	3.59 (91.2)	1.8 (45.7)	2.94 (74.7)	2.52 (64)	1.25 (31.8)	2.5 (63.5)	5.98 (152)	VUBV - 115E
1 in.	0.874 (22.2)	Rc 1	4.45 (113)	2.23 (56.6)	2.94 (74.7)	2.52 (64)	1.25 (31.8)	2.5 (63.5)	5.98 (152)	VUBV - 115F

Dimensions

Manual Valves

End Connections: Female NPT Type

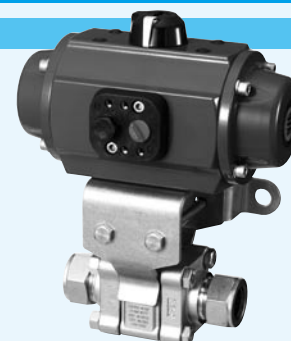
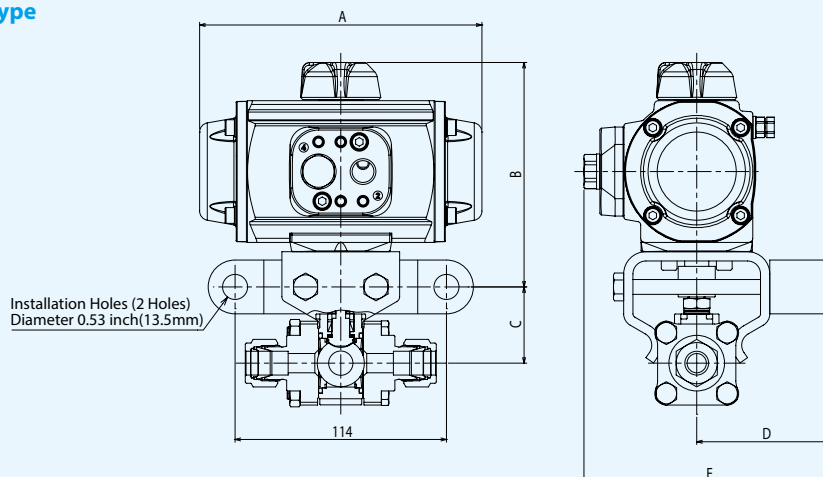


Sizes	Orifice in. (mm)	End Connections D	Dimensions inch (mm)							Ordering Numbers
			L	L1	H	H1	H2	H3	G	
1/4 in.	0.28 (7.1)	1/4 NPT	2.16 (54.9)	1.08 (27.4)	1.66 (42.2)	1.26 (32)	0.68 (17.3)	1.35 (34.3)	2.37 (60.2)	VUBV - 115BN
3/8 in.	0.516 (13.1)	3/8 NPT	2.7 (68.6)	1.35 (34.3)	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 115CN
1/2 in.	0.516 (13.1)	1/2 NPT	2.7 (68.6)	1.35 (34.3)	2.35 (59.7)	1.79 (45.5)	0.89 (22.6)	1.78 (45.2)	4.49 (114)	VUBV - 115DN
3/4 in.	0.874 (22.2)	3/4 NPT	3.59 (91.2)	1.8 (45.7)	2.94 (74.7)	2.52 (64)	1.25 (31.8)	2.5 (63.5)	5.98 (152)	VUBV - 115EN
1 in.	0.874 (22.2)	1 NPT	4.45 (113)	2.23 (56.6)	2.94 (74.7)	2.52 (64)	1.25 (31.8)	2.5 (63.5)	5.98 (152)	VUBV - 115FN

Dimensions

Automated Valves

Spring Return Type

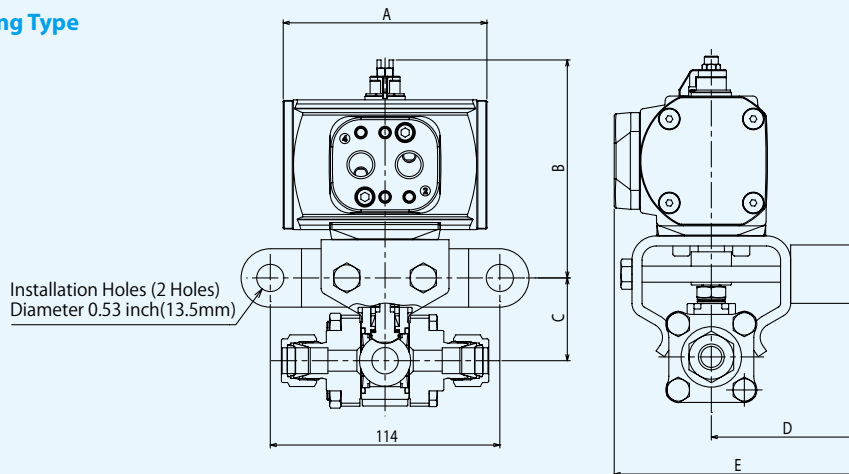


Connection Type	Nominal Diameter Inch (mm)	Actuator Type	Dimensions Inch (mm)					Ordering Numbers
			A	B	C	D	E	
V-Lok	1/4 (6.35)	AC2S	5.52 (140.2)	4.26 (108.3)	1.54 (39.1)	2.9 (73.7)	5.14 (130.5)	APR-VUBV-915-6.35
	3/8 (9.52)							APR-VUBV-915-9.52
	1/2 (12.7)	AC3S	6 (152.3)	4.77 (121.1)	1.62 (41.1)	2.92 (74.2)	5.34 (135)	APR-VUBV-915-12.7
	3/4 (19.05)							APR-VUBV-915-19.05
	1 (25.4)	AC4S	7.93 (201.3)	6.05 (153.6)	2.18 (55.4)	3.3 (83.8)	6.07 (154.1)	APR-VUBV-915-25.4
	— (6)	AC2S	5.52 (140.2)	4.26 (108.3)	1.54 (39.1)	2.9 (73.7)	5.14 (130.5)	APR-VUBV-915-6
	— (8)							APR-VUBV-915-8
	— (10)							APR-VUBV-915-10
	— (12)	AC3S	6 (152.3)	4.77 (121.1)	1.62 (41.1)	2.92 (74.2)	5.34 (135)	APR-VUBV-915-12
Rc	1/4	AC2S	5.52 (140.2)	4.26 (108.3)	1.54 (39.1)	2.9 (73.7)	5.14 (130.5)	APR-VUBV-115B
	3/8	AC3S	6 (152.3)	4.77 (121.1)	1.62 (41.1)	2.92 (74.2)	5.34 (135)	APR-VUBV-115C
	1/2							APR-VUBV-115D
	3/4	AC4S	7.93 (201.3)	6.05 (153.6)	2.18 (55.4)	3.3 (83.8)	6.07 (154.1)	APR-VUBV-115E
	1							APR-VUBV-115F
Female NPT	1/4	AC2S	5.52 (140.2)	4.26 (108.3)	1.54 (39.1)	2.9 (73.7)	5.14 (130.5)	APR-VUBV-115BN
	3/8	AC3S	6 (152.3)	4.77 (121.1)	1.62 (41.1)	2.92 (74.2)	5.34 (135)	APR-VUBV-115CN
	1/2							APR-VUBV-115DN
	3/4	AC4S	7.93 (201.3)	6.05 (153.6)	2.18 (55.4)	3.3 (83.8)	6.07 (154.1)	APR-VUBV-115EN
	1							APR-VUBV-115FN

Dimensions

Automated Valves

Double Acting Type



Connection Type	Nominal Diameter Inch (mm)	Actuator Type	Dimensions Inch (mm)					Ordering Numbers
			A	B	C	D	E	
V-Lok	1/4 (6.35)	AC2S	3.02 (76.8)	4.06 (103.1)	1.54 (39.1)	2.9 (73.7)	4.8 (121.9)	APDM-VUBV-915-6.35
	3/8 (9.52)							APDM-VUBV-915-9.52
	1/2 (12.7)	AC3S	3.98 (101.2)	4.26 (108.3)	1.62 (41.1)	2.92 (74.2)	4.82 (122.4)	APDM-VUBV-915-12.7
	3/4 (19.05)							APDM-VUBV-915-19.05
	1 (25.4)	AC4S	5.98 (152.2)	5.38 (136.6)	2.18 (55.4)	3.3 (83.8)	5.35 (136)	APDM-VUBV-915-25.4
	— (6)	AC2S	3.02 (76.8)	4.06 (103.1)	1.54 (39.1)	2.9 (73.7)	4.8 (121.9)	APDM-VUBV-915-6
	— (8)							APDM-VUBV-915-8
	— (10)							APDM-VUBV-915-10
	— (12)							APDM-VUBV-915-12
	1/4	AC2S	3.02 (76.8)	4.06 (103.1)	1.54 (39.1)	2.9 (73.7)	4.8 (121.9)	APDM-VUBV-115B
Rc	3/8	AC3S	3.98 (101.2)	4.26 (108.3)	1.62 (41.1)	2.92 (74.2)	4.82 (122.4)	APDM-VUBV-115C
	1/2							APDM-VUBV-115D
	3/4	AC4S	5.98 (152.2)	5.38 (136.6)	2.18 (55.4)	3.3 (83.8)	5.35 (136)	APDM-VUBV-115E
	1							APDM-VUBV-115F
Female NPT	1/4	AC2S	3.02 (76.8)	4.06 (103.1)	1.54 (39.1)	2.9 (73.7)	4.8 (121.9)	APDM-VUBV-115BN
	3/8	AC3S	3.98 (101.2)	4.26 (108.3)	1.62 (41.1)	2.92 (74.2)	4.82 (122.4)	APDM-VUBV-115CN
	1/2							APDM-VUBV-115DN
	3/4	AC4S	6 (152.3)	5.38 (136.6)	2.18 (55.4)	3.3 (83.8)	5.35 (136)	APDM-VUBV-115EN
	1							APDM-VUBV-115FN

Ordering Information

<u>APR</u> ①	—	<u>V U BV</u> ② ③ ④	—	<u>9 15</u> ⑤ ⑥	—	<u>6.35</u> ⑦	—	<u>B</u> ⑧	—	<u>KL</u> ⑨
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- | | | |
|---|--|---|
| <p>① Actuator Type
APR : Spring Return Type
APDM : Double Acting type
Blank : Manual Type</p> <p>② Valve Series</p> <p>③ Body Material
Stainless Steel</p> <p>④ Valve Type
Ball Valves</p> <p>⑤ End Connections
1 : Thread Type
9 : V-Lok Type</p> | <p>⑥ Working Pressure
2200 psig
(151 bar)</p> <p>⑦ Connection Sizes
6.35 : V-Lok 1/4
9.52 : V-Lok 3/8
12.7 : V-Lok 1/2
19.05 : V-Lok 3/4
25.4 : V-Lok 1
6 : V-Lok 6
8 : V-Lok 8
10 : V-Lok 10
12 : V-Lok 12</p> | <p>⑧ Handle Color
— : Black
B : Blue
G : Green
YR : Orange
RE : Red
Y : Yellow</p> <p>⑨ Key Lock Type
Blank : without Key Lock
KL : with Key Lock</p> |
|---|--|---|

Option

Handle Color

Standard Handle Color is black.

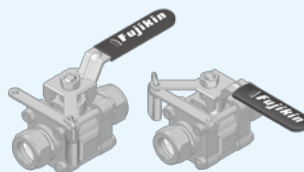
When you ordered a colored handle besides the black.
Please put the relevant symbol to the part number end from beside table.

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

HANDLE Color	The end of Ordering Numbers
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.



When a bracket for Key Locks is installed,
it's possible to fix a valve open or shut.

Seal Kit

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

Valve Series	Kit Contents
VUBV-915 Series (2-way Type)	• INSTRUCTION MANUAL • Ball • STEM BEARING • O-RING(1), O-RING(2)
VUBV-115 Series (2-way Type)	• SEAT ASSEMBLY (SEAT + SEAT CARRIERS) • DISC SPRING • END SCREW SEALS • LUBRICANT • SDS of LUBRICANT