

V[®]-Series

Ball Valves

VUBV, VUBVS SERIES



Fujikin[®] Carp Group

Features

VUBV-920 Series

1. Simple design with one piece body
2. Tight and smooth, low torque and easy operation
3. One-piece ball stem
4. Panel mountable
5. End Connections ∇ ® - Lok, Female pipe (NPT)

VUBVS-920 Series

1. Reduction the parts which may leak by one-piece seat
2. Self-compensation of the wear of a seat by the spring structure of a gland
3. Simple design with one piece body
4. Tight and smooth, low torque and easy operation
5. One-piece ball stem
6. Panel mountable
7. End Connections ∇ ® - Lok, Female pipe (NPT)

Technical Data

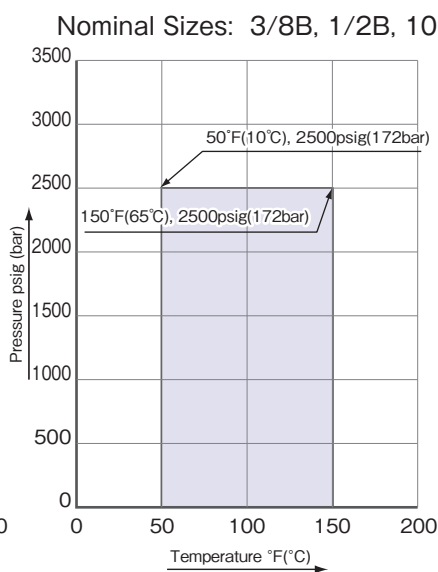
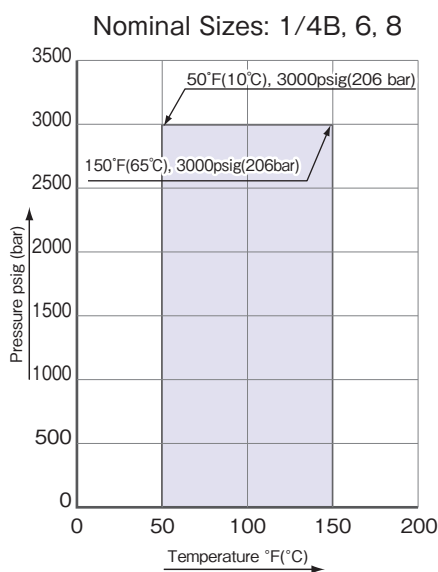
Working Pressure, Temperature Rating

Types	Nominal Sizes	Working Pressure psig (bar) ※	Temperature °F (°C)
VUBV-920 Series	1/4B, 6, 8, 6.35	3000psig (206bar)	50 (10) - 150 (65)
	3/8B, 1/2B, 10, 12, 9.52, 12.7, 19.05	2500psig (172bar)	
VUBVS-920 Series	1/4B, 6, 8, 6.35, 9.52	3000psig (206bar)	-65 (-53) - +300 (+148)

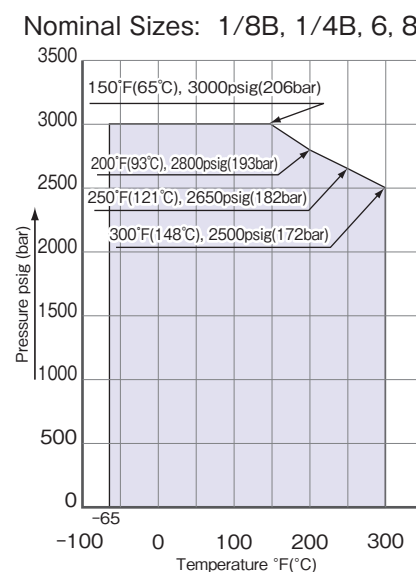
※: Working Pressure: Please refer to following Temperature and Pressure Rating.

Temperature and Pressure Rating

VUBV-920 Series



VUBVS-920 Series

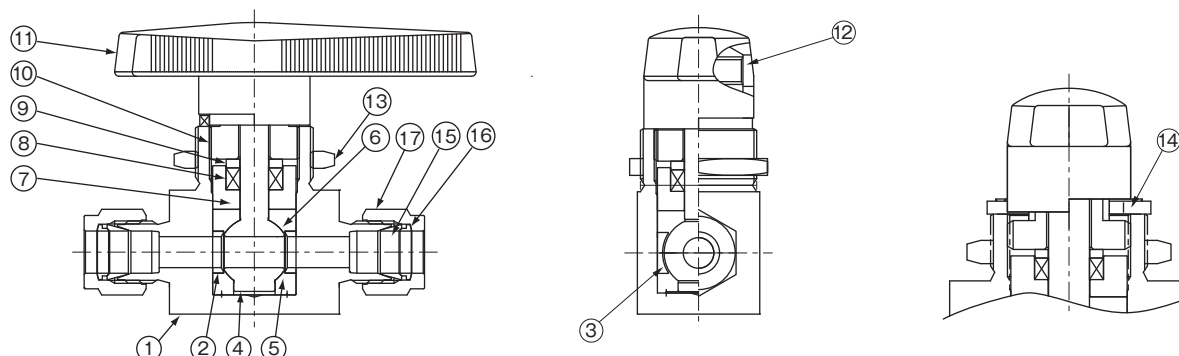


Applicable fluid

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

Materials of Construction

VUBV-920 Series

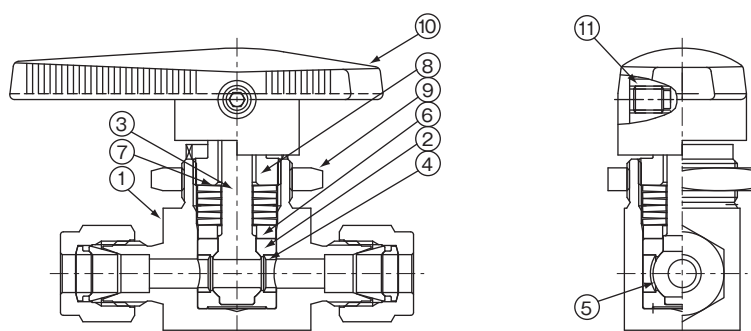


No.	Description		Materials
1	BODY	※	ASTM A479 316
2	RETAINER1	※	SUS316L
3	RETAINER2	※	SUS316L
4	STEM	※	ASTM A276 316
5	SEAT1	※	PTFE
6	SEAT2	※	PTFE
7	PACKING BOX	※	ASTM A276 316
8	GLAND PACKING	※	PTFE
9	PACKING GLAND BUSH		ASTM A276 316
10	PACKING GLAND SCREW		ASTM A276 316
11	HANDLE		NYLON6 + ADC6
12	SET SCREW		S17400 or SUS630
13	PANEL NUT		ASTM A276 304 or ASTM A276 316
14	SPACER	※※	ASTM A276 304

※ : Wetted Parts

※※: End Connections: ∇ - Lok types, 12.7, 19.05, 12, 1/2-in. Female pipe (NPT), Rc1/2

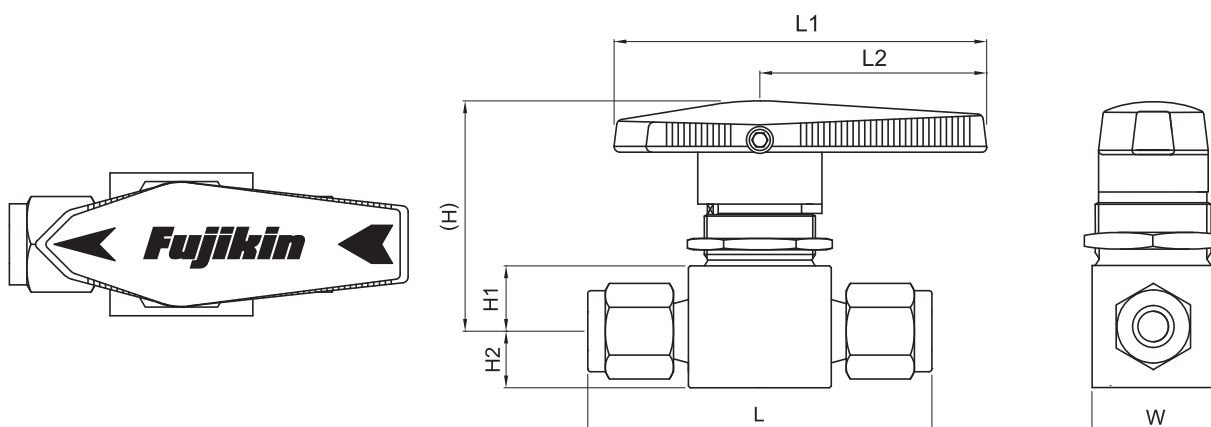
VUBVS-920 Series



No.	Description		Materials
1	BODY	※	ASTM A479 316
2	SEAT	※	PTFE
3	STEM	※	ASTM A276 316
4	RETAINER1	※	SUS316L
5	RETAINER2	※	SUS316L
6	GLAND		ASTM A276 316
7	DISH SPRING		S17700 or SUS631
8	PACKING BOLT		ASTM A276 316
9	PANEL NUT		ASTM A276 304 or 316
10	HANDLE		NYLON6 + SUS316L
11	SET SCREW		S17400 or SUS630

※: Wetted Parts

Dimensions



End Connections	Sizes	Working Pressure psig (bar)	Orifice in. (mm)	Dimensions in. (mm)							Ordering Numbers	
				L	L1	L2	H	H1	H2	W	VUBV-920 Series	VUBVS-920 Series
V _R -Lok	6.35	3000(206)	0.187(4.8)	2.38(60.7)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	VUBV-920P-6.35	VUBVS-920P-6.35
	9.52	3000(206)	0.187(4.8)	2.57(65.5)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	—	VUBVS-920P-9.52
		2500(172)	0.281(7.1)	3.05(77.5)	3.25(82.8)	2(50.8)	2.07(52.6)	0.56(14.2)	1.12(28.4)	VUBV-920P-9.52	—	
	12.7	2500(172)	0.406(10.3)	3.92(99.6)	4.25(108.2)	3(76.2)	2.43(61.7)	0.69(17.5)	1.5(38.1)	VUBV-920P-12.7	—	
	19.05	2500(172)	0.406(10.3)	3.92(99.6)	4.25(108.2)	3(76.2)	2.43(61.7)	0.69(17.5)	1.5(38.1)	VUBV-920P-19.05	—	
	6	3000(206)	0.187(4.8)	2.38(60.7)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	VUBV-920P-6	VUBVS-920P-6
	8	3000(206)	0.187(4.8)	2.46(62.5)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	VUBV-920P-8	VUBVS-920P-8
	10	2500(172)	0.281(7.1)	3.07(78)	3.25(82.8)	2(50.8)	2.07(52.6)	0.56(14.2)	1.12(28.4)	VUBV-920P-10	—	
	12	2500(172)	0.406(10.3)	3.92(99.6)	4.25(108.2)	3(76.2)	2.43(61.7)	0.69(17.5)	1.5(38.1)	VUBV-920P-12	—	
Female Pipe (NPT)	1/8B	3000(206)	0.187(4.8)	2(50.8)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	—	VUBVS-120PAN
	1/4B	3000(206)	0.187(4.8)	2.06(52.3)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	VUBV-120PBN	VUBVS-120PBN
	3/8B	2500(172)	0.281(7.1)	2.5(63.5)	3.25(82.8)	2(50.8)	2.07(52.6)	0.56(14.2)	1.12(28.4)	VUBV-120PCN	—	
	1/2B	2500(172)	0.406(10.3)	3.12(79.2)	4.25(108.2)	3(76.2)	2.43(61.7)	0.69(17.5)	1.5(38.1)	VUBV-120PDN	—	
Rc	1/8B	3000(206)	0.187(4.8)	2(50.8)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	—	VUBVS-120PA
	1/4B	3000(206)	0.187(4.8)	2.06(52.3)	2.51(63.9)	1.53(38.9)	1.46(37.3)	0.44(11.2)	0.38(9.7)	0.78(19.8)	VUBV-120PB	VUBVS-120PB
	3/8B	2500(172)	0.281(7.1)	2.5(63.5)	3.25(82.8)	2(50.8)	2.07(52.6)	0.56(14.2)	1.12(28.4)	VUBV-120PC	—	
	1/2B	2500(172)	0.406(10.3)	3.12(79.2)	4.25(108.2)	3(76.2)	2.43(61.7)	0.69(17.5)	1.5(38.1)	VUBV-120PD	—	

Ordering Information

VUBV — **920P** — **6.35**
 ① ② ③ ④ ⑤ ⑥ ⑦

① Valve Series

② Body Material
Stainless Steel

③ Valve Type
BV : Ball Valves
BVS: One-piece Seat
Ball Valves

④ End Connections
1: Screwed Type
9: V_R-Lok Type

⑤ Working Pressure
20: 206 bar

⑥ Panel Nut

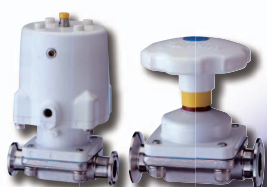
⑦ Connection Sizes
 6.35 : V_R-Lok 6.35
 9.52 : V_R-Lok 9.52
 12.7 : V_R-Lok 12.7
 19.05 : V_R-Lok 19.05
 6 : V_R-Lok 6
 8 : V_R-Lok 8
 10 : V_R-Lok 10
 12 : V_R-Lok 12
 AN : 1/8 NPT
 BN : 1/4 NPT
 CN : 3/8 NPT
 DN : 1/2 NPT
 A : Rc 1/8
 B : Rc 1/4
 C : Rc 3/8
 D : Rc 1/2



Beyond the Flow of Things



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



Weirless Diaphragm Valves
Weir Diaphragm Valves



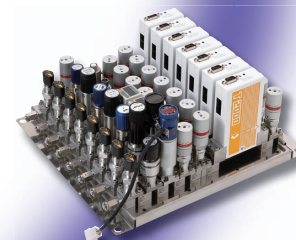
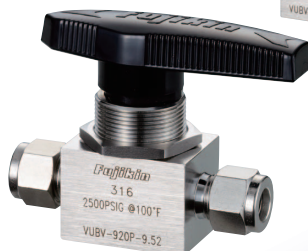
Electronic Control Valves



MINUCON



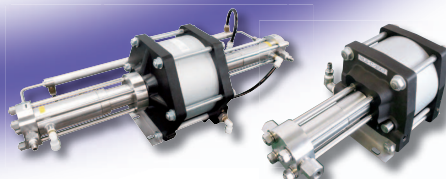
Fine Ceramic Ball Valves
COSMIX™



Integrated Gas System (IGS)



Static Mixer



PROVIDER POWER UNIT
MG Series ML Series



Flow Control System
FCS® Thermal Series



Fujikin Corp Group V®-Series

always leads the flow control technology

Fujikin[®]



Fujikin[®] Carp[®] Group

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