



Union-Bonnet Needle Valves

VUH SERIES



Fujikin Corp. Group



Features

- Panel mountable
- Non-rotating stem tips
- Variety of stem tips
- Variety of End Connections

Technical Data

Temperature vs Working Pressure

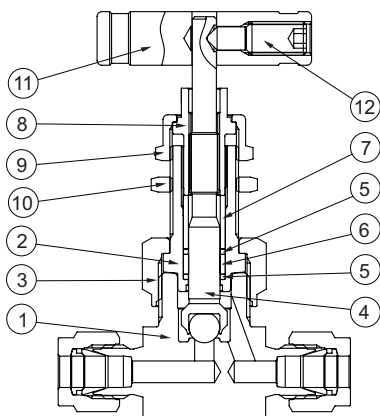
Material	VUH-941 Series	VUH-968 Series
	ASTM A479 316	ASTM A479 316
Temperature Rating, °F(°C)	Working Pressure, psig(bar)	
-65 (-53) to 100 (37)	6000 (413)	10000 (689)
200 (93)	5160 (355)	9290 (640)
250 (121)	4910 (338)	8840 (609)
300 (148)	4660 (321)	8390 (578)
350 (176)	4470 (307)	8045 (554)
400 (204)	4280 (294)	7705 (530)
450 (232)	4130 (284)	7435 (512)
500 (260)	3980 (274)	7165 (493)
600 (315)	3760 (259)	6770 (466)
650 (343)	3700 (254)	6660 (458)
700 (371)	3600 (248)	6480 (446)
750 (398)	3520 (242)	6335 (436)
800 (426)	3460 (238)	6230 (429)
850 (454)	3380 (232)	6085 (419)
900 (482)	3280 (225)	5905 (406)
950 (510)	3220 (212)	5795 (399)
1000 (537)	3030 (208)	5450 (375)
1050 (565)	3000 (206)	5400 (372)
1100 (593)	2685 (184)	4835 (333)
1150 (621)	2285 (157)	4115 (283)
1200 (648)	1715 (118)	3085 (212)

Testing

- Each Valve is tested with nitrogen at 1000psig(69bar) to maximum allowable leak rate of 0.1 SCCM.
- Hydrostatic shell test is performed at 1.5 times of the working pressure. (OPTION)

Material of Construction

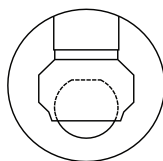
VUH-941 Series



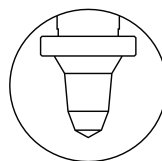
No.	Material Grade / ASTM Specification		
	Description		Material
1	BODY		ASTMA479 316
2	BONNET		ASTMA479 316
3	UNION NUT		ASTMA276 316
4	STEM	Regulating Stem	ASTMA276 316
		Non-Rotating Ball Stem	ASTMA276 316
5	PACKING SUPPORT		C-PTFE
6	PACKING		PTFE
7	GLAND		ASTM A276 316
8	PACKING BOLT		ASTM A276 316
9	LOCK NUT		ASTMA276 316
10	PANEL NUT		SUS304
11	HANDLE	BAR HANDLE	A5056B
		HANDLE PIN	SUS316
12	SET SCREW		SUSXM7

Stem types

: VUH-941 Series / VUH-968 Series

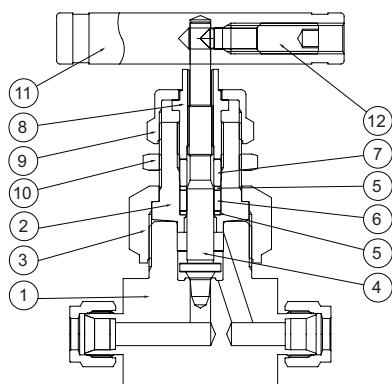


Non-Rotating
Ball Stem



Regulating
Stem

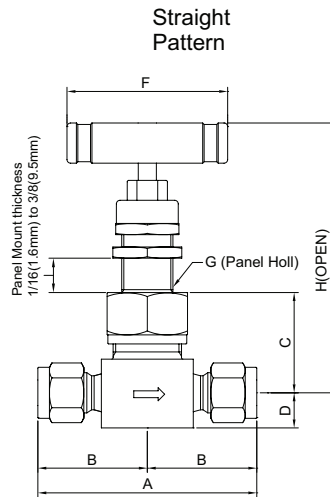
VUH-968 Series



No.	Material Grade / ASTM Specification		
	Description	Material	
1	BODY	ASTMA479 316	
2	BONNET	ASTMA479 316	
3	UNION NUT	ASTMA276 316	
4	STEM	Regulating Stem	ASTMA276 316
		Non-Rotating Ball Stem	ASTMA276 316
5	PACKING SUPPORT		C-PTFE
6	PACKING		PTFE
7	GLAND		ASTM A276 316
8	PACKING BOLT		ASTM A276 316
9	LOCK NUT		ASTMA276 316
10	PANEL NUT		SUS304
11	HANDLE	BAR HANDLE	A5056B
		HANDLE PIN	SUS316
12	SET SCREW		SUSXM7

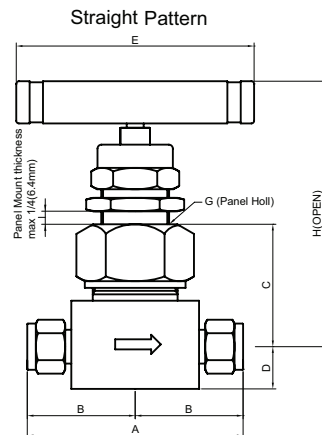
Dimensions

VUH-941 Series



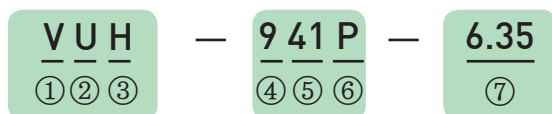
Ordering Number	Orifice in.(mm)	End Connections	Size	A	B	C	D	F	G	H
		Inlet/Outlet								
VUH-941P-6.35	0.156(4)	V-Lok	1/4 in.	2.40 (61.0)	1.20 (30.5)	1.54 (39.1)	1.09 (27.7)	1.75 (44.5)	19/32 (15.1)	3.04 (77.2)
VUH-941P-9.52	0.25(6.4)		3/8 in.	2.83 (71.9)	1.41 (35.8)	1.79 (45.5)	1.34 (34.0)	2.50 (63.5)	25/32 (19.8)	3.70 (94.0)
VUH-941P-12.7-S			1/2 in.	3.04 (77.2)	1.52 (38.6)	1.90 (48.3)				
VUH-941P-12.7	0.437(11.1)		1/2 in.	3.92 (99.6)	1.96 (49.8)	2.37 (60.2)	1.82 (46.2)	3.50 (88.9)	1 1/32 (26.2)	4.78 (121)

VUH-968Series



Ordering Number	Orifice in. (mm)	End Connections	Size	A	B	C	D	E	G	H
		Inlet/Outlet								
VUH-968P-6.35	0.156(4)	V-Lok	1/4 in.	2.82 (71.6)	1.41 (35.8)	1.38 (35.1)	0.5 (12.7)	2.5 (63.5)	0.81 (20.6)	3.31 (84.1)
VUH-968P-9.52	0.25(6.4)		3/8 in.	3.39 (86.1)	1.69 (42.9)	1.81 (46.0)	0.63 (16.0)	3.5 (88.9)	1.06 (26.9)	4.27 (108)

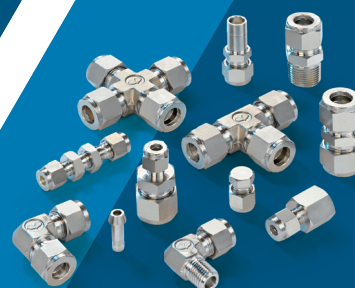
Ordering Information



- | | | |
|-----------------|---|---|
| ① Valve Series | ④ Connection Type | ⑦ Connection Size |
| ② Body Material | 9 :  -Lok Type | 6.35 :  -Lok 1/4 in. |
| ASTM A479 316 | ⑤ Working Pressure | 9.52 :  -Lok 3/8 in. |
| ③ Valve Type | 41:6000psig(413bar) | 12.7 :  -Lok 1/2 in. |
| Needle Valve | 68:10000psig(689bar) | |
| | ⑥ Panel Nut | |



 **Fujikin Corp Group**



Beyond the Flow of Things



Electronic Control Valves

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



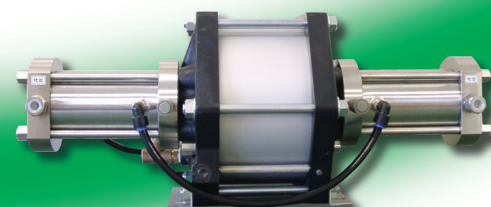
Weirless Diaphragm Valves



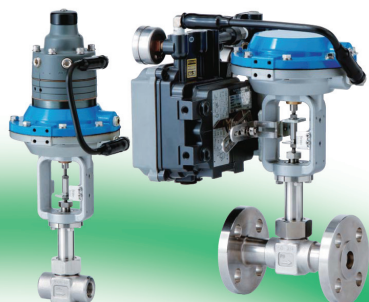
Fine Ceramic Ball Valves
COSMIX



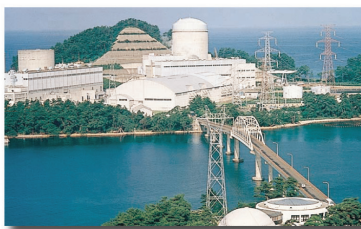
Static Mixer



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