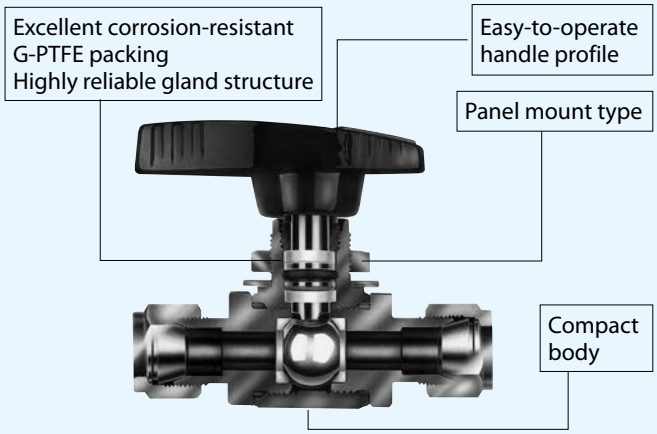
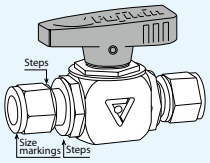
[4.9 MPa]

Features

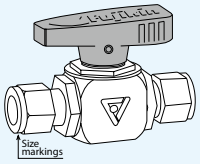
1. Compact design
2. Easy-to-operate handle profile
3. Panel mount-compatible
4. Available in millimeter and inch sizes, allowing discrimination of Rc and NPT screws



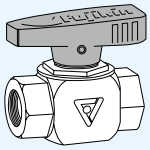
mm sizes



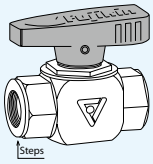
inch sizes



Rc screws



NPT screws



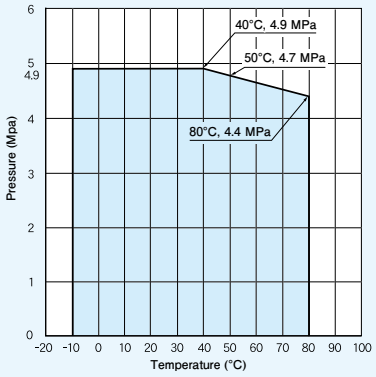
Technical Data

Working Pressure (MPa)	Temperature (°C)
4.9	-10 to +80

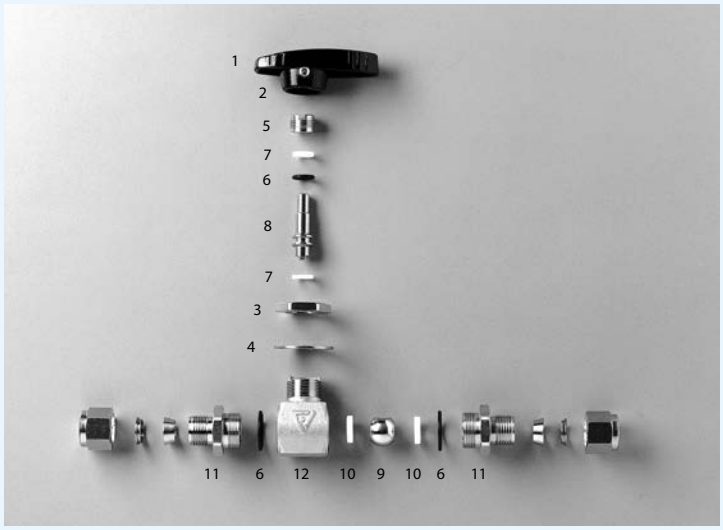
Applicable Fluid

Air, nitrogen gas, inert gas like helium, and non-corrosive gas and liquid.

Temperature and Pressure Rating



Materials



No.	Description	Materials
1	Handle	ZDC2
2	Set screw	SUS 304
3	Panel nut	SUS 304
4	Panel washer	SUS 430
5	Gland bolt	SUS 316
6	O-ring ※	Fluororubber
7	Gland packing ※	G-PTFE
8	Stem ※	SUS 316
9	Ball ※	SUS 316
10	Seat ※	G-PTFE
11	Socket ※	SUS 316
12	Body ※	SCS 14

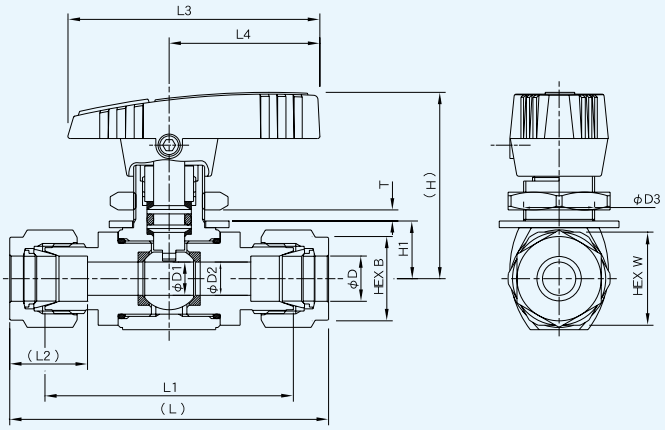
※: Wetted part

Applicable fluid: Air, nitrogen gas, inert gas like helium, and non-corrosive gas and liquid.

CAUTION

When selecting a valve
Since this valve uses a fluororubber O-ring, it cannot be used with fluids that would corrode it or cause it to swell (for example, ammonia, fluorocarbons, acetic acid, nitrous oxide, ethylene oxide, or acetone). If you are unsure whether the sealant is suitable for use with a given fluid, please contact us before ordering.

New V-Lok Type



●Dimensions (mm size)

UNIT (mm)

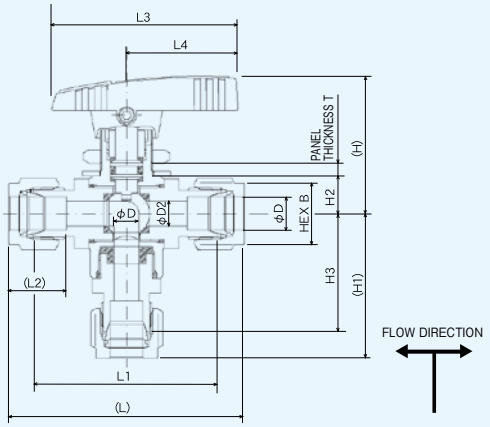
Nominal Diameter D	Orifice Diameter D1	Hole Diameter D2	Face to Face Dimension		Pipe Connection Part		Handle Length		Height Fully Open	Panel Mounting		Socket Width Across Flat	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
			L	L1	L2	B	L3	L4	H	H1	D3	W	MIN.	MAX.			
3	5	2.4	58.2	45	12.9	10	47	28	38	11	14.5	17	1	5	0.33	0.13	PUBV-95-3-V
4	5	3.2	60.2	47	13.7	12	47	28	38	11	14.5	17	1	5	0.5	0.13	PUBV-95-4-V
6	5	4.8	62.8	48	15.3	14	47	28	38	11	14.5	17	1	5	1.4	0.13	PUBV-95-6-V
8	5	5	64	49	16.2	16	47	28	38	11	14.5	17	1	5	1.4	0.2	PUBV-95-8-V
10	7.5	7.9	71.2	56	17.2	19	57	34	42	13	16.5	21	1	5	3.5	0.2	PUBV-95-10-V
12	10	9.5	79.2	59	22.8	22	57	34	45	16	16.5	26	1	5	6.5	0.29	PUBV-95-12-V

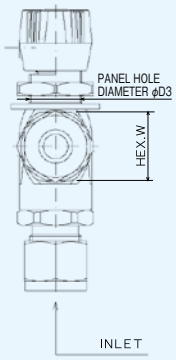
●Dimensions (inch size)

UNIT (mm)

Nominal Diameter D	Orifice Diameter D1	Hole Diameter D2	Face to Face Dimension		Pipe Connection Part			Handle Length		Height Fully Open	Panel Mounting		Socket Width Across Flat	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
			L	L1	L2	B		L3	L4	H	H1	D3	W	MIN.	MAX.			
						in	mm											
3.2	5	2.7	58.2	45	12.7	7/16	11.1	47	28	38	11	14.5	17	1	5	0.34	0.13	PUBV-95-3.2-V
6.35	5	4.8	62.8	48	15.2	9/16	14.3	47	28	38	11	14.5	17	1	5	1.4	0.13	PUBV-95-6.35-V
9.52	7.5	7.1	68.8	54	16.8	11/16	17.5	57	34	42	13	16.5	21	1	5	3.5	0.2	PUBV-95-9.52-V
12.7	10	10.4	79.2	59	22.9	7/8	22.2	57	34	45	16	16.5	26	1	5	6.5	0.29	PUBV-95-12.7-V

New V-Lok Type





CAUTION

Please connect 3-way valves according to the indicated direction of flow. Do not use with the indicated direction of flow reversed as the valve may be unable to fully stop flow in such configurations. (Flow is left or right after entering from underneath the valve.)

●Dimensions (mm size)

UNIT (mm)

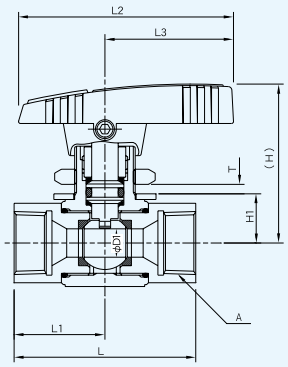
Nominal Diameter D	Orifice Diameter D1	Hole Diameter D2	Face to Face Dimension		Pipe Connection Part		Handle Length		Height Fully Open			Panel Mounting		Socket Width Across Flat W	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
			L	L1	L2	B	L3	L4	H	H1	H3	H2	D3		MIN.	MAX.			
3	5	2.4	58.2	45	12.9	10	47	28	38	36.1	29.5	11	14.5	17	1	5	0.23	0.16	PUBVT-95-3-V
4	5	3.2	60.2	47	13.7	12	47	28	38	37.1	30.5	11	14.5	17	1	5	0.4	0.16	PUBVT-95-4-V
6	5	4.8	62.8	48	15.3	14	47	28	38	38.4	31	11	14.5	17	1	5	1	0.17	PUBVT-95-6-V
8	5	5	64	49	16.2	16	47	28	38	39	31.5	11	14.5	17	1	5	1	0.19	PUBVT-95-8-V
10	7.5	7.9	71.2	56	17.2	19	57	34	42	43.6	36	13	16.5	21	1	5	2.2	0.19	PUBVT-95-10-V
12	10	9.5	79.2	59	22.8	22	57	34	45	50.1	40	16	16.5	26	1	5	4	0.39	PUBVT-95-12-V

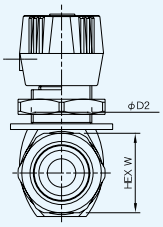
●Dimensions (inch size)

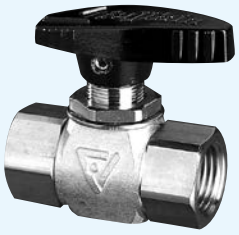
UNIT (mm)

Nominal Diameter D	Orifice Diameter D1	Hole Diameter D2	Face to Face Dimension		Pipe Connection Part			Handle Length		Height Fully Open			Panel Mounting		Socket Width Across Flat W	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
			L	L1	L2	B		L3	L4	H	H1	H3	H2	D3		MIN.	MAX.			
						in	mm													
3.2	5	2.7	58.2	45	12.7	7/16	11.1	47	28	38	36.1	29.5	11	14.5	17	1	5	0.29	0.16	PUBVT-95-3.2-V
6.35	5	4.8	62.8	48	15.2	9/16	14.3	47	28	38	38.4	31	11	14.5	17	1	5	1	0.17	PUBVT-95-6.35-V
9.52	7.5	7.1	68.8	54	16.8	11/16	17.5	57	34	42	42.4	35	13	16.5	21	1	5	2.2	0.19	PUBVT-95-9.52-V
12.7	10	10.4	79.2	59	22.9	7/8	22.2	57	34	45	50.1	40	16	16.5	26	1	5	4	0.39	PUBVT-95-12.7-V

Thread Type





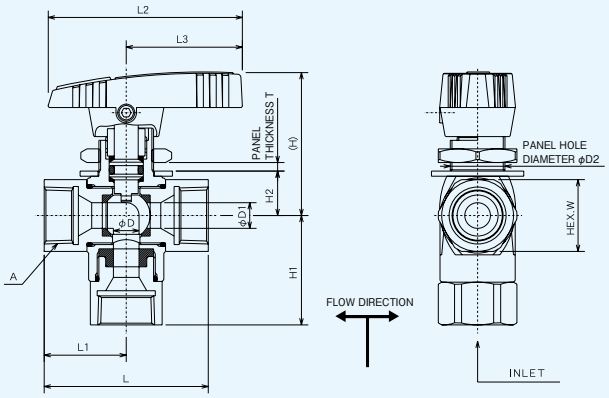


●Dimensions

UNIT (mm)

Nominal Diameter (B)	Orifice Diameter D1	Face to Face Dimension		Pipe Connection Part A	Handle Length		Height Fully Open H	Panel Mounting		Socket Width Across Flat W	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
		L	L1		L2	L3		H1	D2		MIN.	MAX.			
1/8	5	38	19	Rc 1/8	47	28	38	11	14.5	17	1	5	1.4	0.12	PUBV-15A
1/4	5	44	22	Rc 1/4	47	28	38	11	14.5	17	1	5	1.4	0.12	PUBV-15B
3/8	7.5	48	24	Rc 3/8	57	34	42	13	16.5	21	1	5	3.5	0.19	PUBV-15C
1/2	10	57	28.5	Rc 1/2	57	34	45	16	16.5	26	1	5	6.5	0.26	PUBV-15D

Thread Type



CAUTION	Please connect 3-way valves according to the indicated direction of flow. Do not use with the indicated direction of flow reversed as the valve may be unable to fully stop flow in such configurations. (Flow is left or right after entering from underneath the valve.)

●Dimensions

UNIT (mm)

Nominal Diameter (B)	Orifice Diameter D1	Hole Diameter D1	Face to Face Dimension		Pipe Connection Part	Handle Length		Height Fully Open		Panel Mounting		Socket Width Across Flat W	Panel Thickness T		Cv Value	Weight (approximate) (kg)	Ordering Numbers
			L	L1	A	L2	L3	H	H1	H2	D2		MIN.	MAX.			
1/8	5	5	38	19	Rc 1/8	47	28	38	26	11	14.5	17	1	5	1	0.15	PUBVT-15A
1/4	5	5	44	22	Rc 1/4	47	28	38	29	11	14.5	17	1	5	1	0.15	PUBVT-15B
3/8	7.5	7.5	48	24	Rc 3/8	57	34	42	32	13	16.5	21	1	5	2.2	0.22	PUBVT-15C
1/2	10	10	57	28.5	Rc 1/2	57	34	45	39	16	16.5	26	1	5	4	0.33	PUBVT-15D

Ordering Numbers

P U BV T – 95 – 6.35 – V

- **V**: New V-Lok Type
- **6.35**: ※1: Nominal Diameter (tube diameter)
  ※2: Nominal Diameter (thread designation)
  Remove hyphen for thread-type models.
  (Example: PUBVT-15B)
- **95**: Set Pressure
  5: 4.9 MPa
- **T**: 1: Thread Type
  9: New V-Lok
- **BV**: Blank: Globe Type T: 3-way Type
- **BV**: Ball Valves
- **U**: U: Stainless Steel

※1: Nominal Diameter (Tube Diameter)

	Inch Size	Millimeter Size
Nominal Diameter (Tube Diameter)	3.2 : Connection part ø3.2 6.35: Connection part ø6.35 9.52: Connection part ø9.52 12.7: Connection part ø12.7	3: Connection part ø3 4: Connection part ø4 6: Connection part ø6 8: Connection part ø8 10: Connection part ø10 12: Connection part ø12

※2: Thread designation (for taper pipe thread)

	Designation		A	B	C	D
Taper Pipe Thread	JIS B0203 (1982) (ISO7/1)	Male thread	R 1/8	R 1/4	R 3/8	R 1/2
		Female thread	Rc1/8	Rc1/4	Rc 3/8	Rc 1/2

Thread designation complies with JIS B0203 (1982) (ISO 7/1).
JIS B0203 (1981) values are provided for reference.