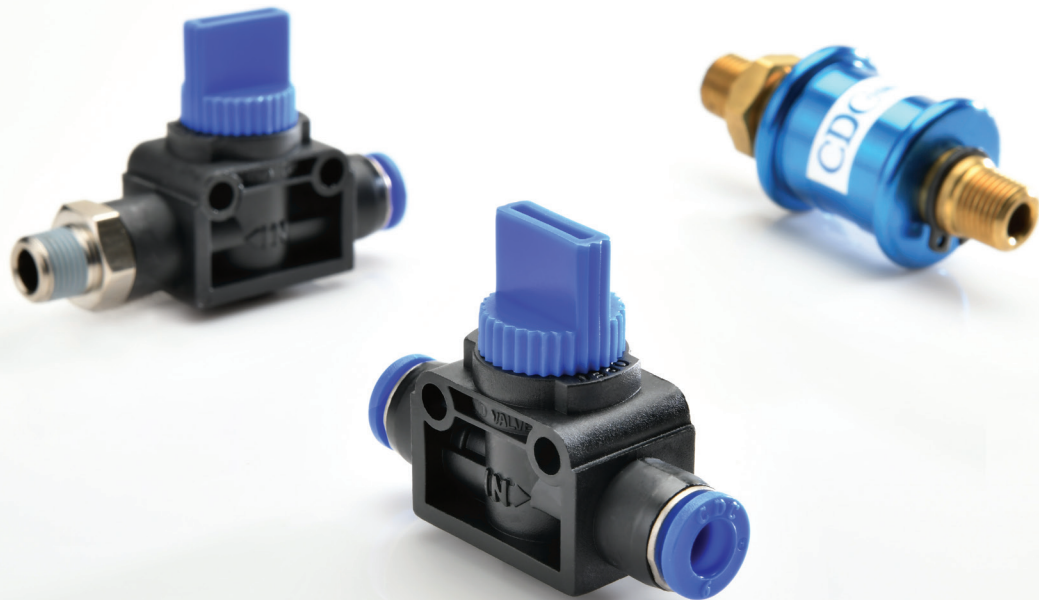


HAND VALVES / HAND SLIDE



Product Code System

METRIC - BSPT(R)

HVC 06-01

HAND VALVE

TUBE DIA

THREAD SIZE

CODE	ØD	CODE	SIZE
06	Ø6	01	R 1/8
08	Ø8	02	R 1/4
10	Ø10	03	R 3/8
12	Ø12	04	R 1/2

METRIC - BSPP(G)

HVC 06-G01

HAND VALVE

TUBE DIA

THREAD SIZE

CODE	ØD	CODE	SIZE
06	Ø6	G01	G 1/8
08	Ø8	G02	G 1/4
10	Ø10	G03	G 3/8
12	Ø12	G04	G 1/2

INCH - NPT

HVC 1/4 -N1

HAND VALVE

TUBE DIA

THREAD SIZE

CODE	ØD	CODE	SIZE
1/4	1/4"	N1	NPT 1/8
5/16	5/16"	N2	NPT 1/4
3/8	3/8"	N3	NPT 3/8
1/2	1/2"	N4	NPT 1/2

Uses

- Used to open and close air pressure on the device.

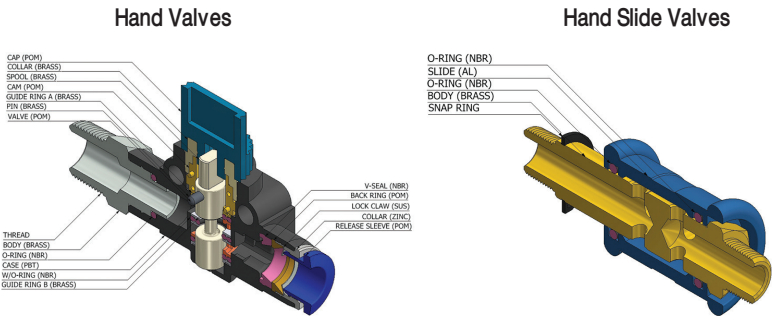
Features

- Turn the handle to open or shut compressed air for the pneumatic devices.
- Repair or inspection can be carried out with residual pressure inside the machine removed.
- When OFF, the 3-way valve releases residual pressure inside the machine into the atmosphere and blocks incoming air as well.
- 4 types depending on how pressured air flow is applied.

Specifications

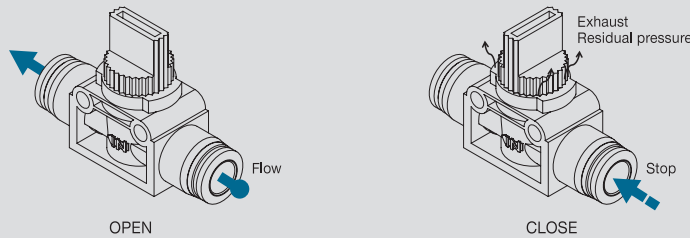
Applicable fluid	compressed air (NOT applicable to gases or liquids)
Operating pressure	0~150PSI / 0~9.9kgf/cm ² (0~990kPa) ※ The combination with the applied tube shall be decided based on the maximum operating pressure of the tube.
Negative pressure	-29.5 in Hg / -750mmHg(-750Torr)
Operating temperature range	32~140° F / 0~60°C
Hose materials used	polyurethane, nylon

Structural drawing



Example of uses

- When connecting tube, push it into the fitting at the end of the tube. When tube is detached, shut off the compressed air, then gently press down on the sleeve to take the tube out.
- Hand valves discharge residual air in the 3-way method, so employ according to the purpose of use. Applying to other fluids than air may cause leakage.



CAUTIONS

Hand Valves

- Be sure to note safety precautions, how to classify warning signs (p. 25), and common precautions for fitting products before using.

WARNINGS

- Do not impact on or forcibly rotate the body or fitting.
- When used in a vacuum, inhaled dust and foreign substances may cause malfunction, so attach a vacuum filter to the suction side.
- When manipulating the hand lever, turn to 90°.
- If the hand lever is not fully turned to 90°, flow rate may not be smooth and low due to insufficient switching.

CAUTIONS

Hand Slide Valves

- Be sure to note safety precautions, how to classify warning signs (p.23), and common precautions (p.26) for fitting products before using.
- When manipulating the hand lever, turn fully to the right or left.
- If the hand lever is not turned fully right or left, the flow rate is not smooth and low due to insufficient switching.

WARNINGS

- Do not impact on or forcibly rotate the body or fitting. May cause product damage or air leakage.
- Use after identifying air flow control direction.
- Before conducting machine repair and inspection, make sure to shut off the power or air and completely remove residual pressure inside the piping.

HVC

Straight A



MODEL(ØD-T)

Tube Metric -Thread R		Tube Inch -Thread NPT		Tube Metric -Thread G	
HVC 04-01	HVC 08-03	HVC 5/32 -N01	HVC 5/16 -N03	HVC 04-G01	HVC 08-G03
HVC 04-02	HVC 10-02	HVC 5/32 -N02	HVC 3/8 -N02	HVC 04-G02	HVC 10-G02
HVC 04-03	HVC 10-03	HVC 5/32 -N03	HVC 3/8 -N03	HVC 04-G03	HVC 10-G03
HVC 06-01	HVC 10-04	HVC 1/4 -N01	HVC 3/8 -N04	HVC 06-G01	HVC 10-G04
HVC 06-02	HVC 12-02	HVC 1/4 -N02	HVC 1/2 -N02	HVC 06-G02	HVC 12-G02
HVC 06-03	HVC 12-03	HVC 1/4 -N03	HVC 1/2 -N03	HVC 06-G03	HVC 12-G03
HVC 08-01	HVC 12-04	HVC 5/16 -N01	HVC 1/2 -N04	HVC 08-G01	HVC 12-G04
HVC 08-02		HVC 5/16 -N02		HVC 08-G02	

HVC-G

Straight A



HVM

Nipple



MODEL(T1-T2)

Thread R	Thread NPT	Thread G
HVM 01-01	HVM N01-N01	HVM G01-G01
HVM 02-01	HVM N02-N01	HVM G02-G01
HVM 02-02	HVM N02-N02	HVM G02-G02
HVM 03-02	HVM N03-N02	HVM G03-G02
HVM 03-03	HVM N03-N03	HVM G03-G03
HVM 04-03	HVM N04-N03	HVM G04-G03
HVM 04-04	HVM N04-N04	HVM G04-G04

HVM-G

Nipple



HVF

Straight B

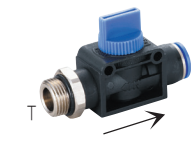


MODEL(T-ØD)

Thread R -Tube Metric		Thread NPT -Tube Inch		Thread G -Tube Metric	
HVF 01-04	HVF 03-08	HVF N01-5/32	HVF N03-5/16	HVF G01-04	HVF G03-08
HVF 02-04	HVF 02-10	HVF N02-5/32	HVF N02-3/8	HVF G02-04	HVF G02-10
HVF 03-04	HVF 03-10	HVF N03-5/32	HVF N03-3/8	HVF G03-04	HVF G03-10
HVF 01-06	HVF 04-10	HVF N01-1/4	HVF N04-3/8	HVF G01-06	HVF G04-10
HVF 02-06	HVF 02-12	HVF N02-1/4	HVF N02-1/2	HVF G02-06	HVF G02-12
HVF 03-06	HVF 03-12	HVF N03-1/4	HVF N03-1/2	HVF G03-06	HVF G03-12
HVF 01-08	HVF 04-12	HVF N01-5/16	HVF N04-1/2	HVF G01-08	HVF G04-12
HVF 02-08		HVF N02-5/16		HVF G02-08	

HVF-G

Straight B



HVU

Union Straight



MODEL(ØD1-ØD2)

Tube Metric	Tube Inch
HVU 04-04	HVU 5/32 -5/32
HVU 06-06	HVU 1/4 -1/4
HVU 08-06	HVU 5/16 -1/4
HVU 08-08	HVU 5/16 -5/16
HVU 10-08	HVU 3/8 -5/16
HVU 10-10	HVU 3/8 -3/8
HVU 12-10	HVU 1/2 -3/8
HVU 12-12	HVU 1/2 -1/2

HSV

Nipple Slide



MODEL(T)

Thread R
HSV M5
HSV 01
HSV 02
HSV 03
HSV 04
HSV 06