

HAND VALVES

Application

- Used for turning air pressure on and off for pneumatic devices.

Feature

- When off, the three-way direction control valve discharges the residual pressure and blocks air flow-in.

Specification

Fluid	Air (No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/cm ² (0~900KPa)
Negative Pressure	-29.50 in Hg	-750mmHg(10Torr)
Temperature Range	32~140° F	0~60° C
Applicable Tube Material	Polyurethane and Nylon	



Product Code System

HVFS 06 - 01

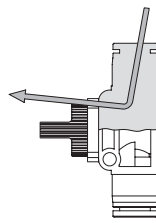
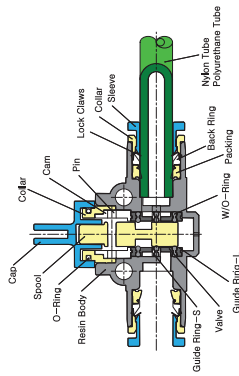
(1) Type (2) (3)

(2) Tube Dia(∅D)	
Code	08
Dia	2/8
	10
	2/10
	12
	∅12

(3) Thread Size(T)

Taper Pipe Thread	
Code	01
Size	R1/8
	R1/4
	R3/8
	R1/2
	04

Structural Diagram



▶ 3 Way Direction, 2 Way Direction

- The three-way direction control valve, when the air is stopped, discharges residual pressure to the outlet, which assures safety in repairing or adjusting connected devices.
- The two-way direction control valve does not discharge residual pressure, and is suitable for a reservoir tank or other device that does not require a discharging residual pressure.
- The two-way direction control valve is also suitable for the system where a vacuum pipe is used.



CAUTION

- Be sure to read the "Common Precautions" and "Using Precautions of Fitting Series (P6)" before using.
- When operating handle, turn at a right angle(90°), otherwise it may cause a shortage of fluid.

Hand Valves

HVSS
118p



Nipple

HVFS
119p



Straight Fitting Thread

HVFF
120p



Union Straight

HVSF
121p



Straight Thread-Fitting

Fitting with G Thread (O-Ring)

HVSS-G
118p



Nipple

HVFS-G
119p



Straight Fitting Thread

HVSF-G
121p



Straight T Thread-Fitting

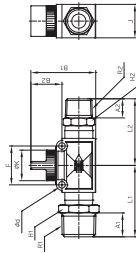
HVSS

Nipple



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (R)	R1	R2
HVSS 01-01	R1/8	R1/8	R1/8
HVSS 02-01	R1/4	R1/4	R1/8
HVSS 02-02	R1/4	R1/4	R1/4
HVSS 03-02	R3/8	R1/4	R1/4
HVSS 03-03	R3/8	R3/8	R3/8
HVSS 04-03	R1/2	R1/2	R3/8
HVSS 04-04	R1/2	R1/2	R1/2



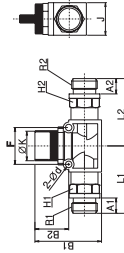
HVSSS-G

Nipple



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (G)	R1	R2
HVSSS G01-G01	G1/8	G1/8	G1/8
HVSSS G02-G01	G1/4	G1/4	G1/8
HVSSS G02-G02	G1/4	G1/4	G1/4
HVSSS G03-G02	G3/8	G1/4	G1/4
HVSSS G03-G03	G3/8	G3/8	G3/8
HVSSS G04-G03	G1/2	G1/2	G3/8
HVSSS G04-G04	G1/2	G1/2	G1/2



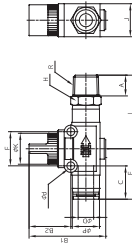
HVFS

Straight Fitting Thread



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (R)	ØD	R
HVFS 06-01	R1/8	6	R1/8
HVFS 06-02	R1/4	6	R1/4
HVFS 06-03	R3/8	6	R3/8
HVFS 08-01	R1/8	8	R1/8
HVFS 08-02	R1/4	8	R1/4
HVFS 08-03	R3/8	8	R3/8
HVFS 10-02	R1/4	10	R1/4
HVFS 10-03	R3/8	10	R3/8
HVFS 10-04	R1/2	10	R1/2
HVFS 12-02	R1/4	12	R1/4
HVFS 12-03	R3/8	12	R3/8
HVFS 12-04	R1/2	12	R1/2



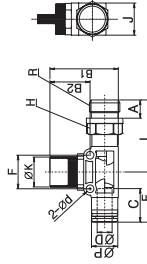
HVFS-G

Straight Fitting-G Thread



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (G)	ØD	R
HVFS 06-G01	G1/8	6	G1/8
HVFS 06-G02	G1/4	6	G1/4
HVFS 06-G03	G3/8	6	G3/8
HVFS 08-G01	G1/8	8	G1/8
HVFS 08-G02	G1/4	8	G1/4
HVFS 08-G03	G3/8	8	G3/8
HVFS 10-G02	G1/4	10	G1/4
HVFS 10-G03	G3/8	10	G3/8
HVFS 10-G04	G1/2	10	G1/2
HVFS 12-G02	G1/4	12	G1/4
HVFS 12-G03	G3/8	12	G3/8
HVFS 12-G04	G1/2	12	G1/2



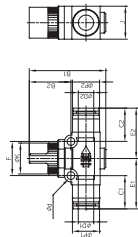
HVFF

Union Straight



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (R)	ØD1	ØD2
HVFF 06-06	6 R1/8	6	6
HVFF 08-08	8 R1/4	8	6
HVFF 08-08	8 R3/8	8	8
HVFF 10-10	10 R1/2	10	10
HVFF 12-10	12 R3/8	12	10
HVFF 12-12	12 R1/2	12	12



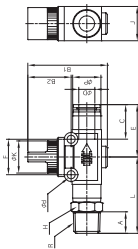
HVSF

Straight Thread-Fitting



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (R)	ØD	ØP
HVSF 06-01	6 R1/8	6	R1/8
HVSF 06-02	6 R1/4	6	R1/4
HVSF 06-03	6 R3/8	6	R3/8
HVSF 08-01	8 R1/8	8	R1/8
HVSF 08-02	8 R1/4	8	R1/4
HVSF 08-03	8 R3/8	8	R3/8
HVSF 10-02	10 R1/4	10	R1/4
HVSF 10-03	10 R3/8	10	R3/8
HVSF 10-04	10 R1/2	10	R1/2
HVSF 12-02	12 R1/4	12	R1/4
HVSF 12-03	12 R3/8	12	R3/8
HVSF 12-04	12 R1/2	12	R1/2



HVSF-G

Straight G Thread-Fitting



MODEL [ØD-T]

MODEL	Tube (Metric) - Thread (G)	ØD	R
HVSF 06-G01	6 G1/8	6	G1/8
HVSF 06-G02	6 G1/4	6	G1/4
HVSF 06-G03	6 G3/8	6	G3/8
HVSF 08-G01	8 G1/8	8	G1/8
HVSF 08-G02	8 G1/4	8	G1/4
HVSF 08-G03	8 G3/8	8	G3/8
HVSF 10-G02	10 G1/4	10	G1/4
HVSF 10-G03	10 G3/8	10	G3/8
HVSF 10-G04	10 G1/2	10	G1/2
HVSF 12-G02	12 G1/4	12	G1/4
HVSF 12-G03	12 G3/8	12	G3/8
HVSF 12-G04	12 G1/2	12	G1/2

