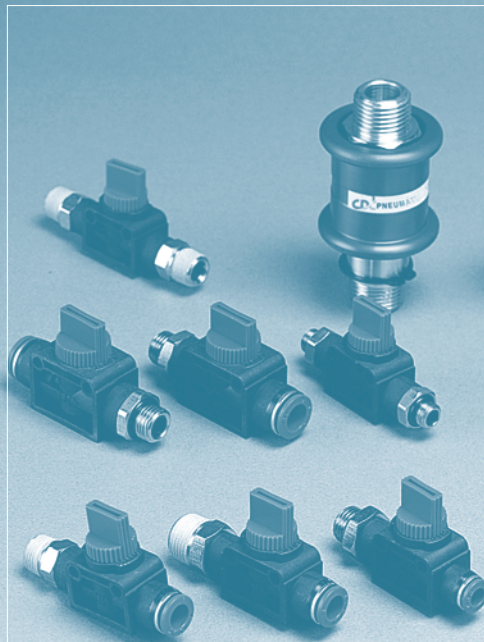


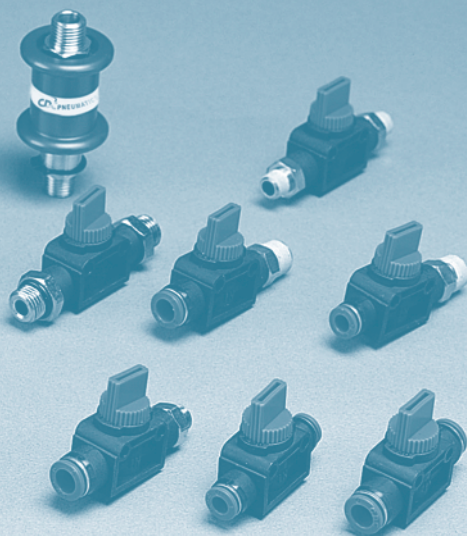


Hand Valves

Hand Slide Valves

Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- **Hand Valves**
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings BSBM



Hand Valves

METRIC-BSPT(R)

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HVU
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HVM
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METRIC-BSPP(G)

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HVF-G
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HVM-G
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Hand Slide Valves

HSV
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Applications

- Used for switching compressed air.

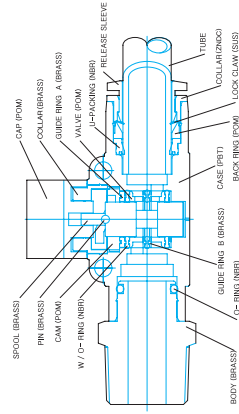
Features

- This product switches compressed air on/off of air pressure devices by simply turning the handle.
- Maintenance or inspection is possible when the remaining pressure in the device is removed.
- A three-way valve discharges the remaining pressure out, and blocks the incoming air in the off state.
- There are 4 types available depending on the method applied to air pressure flow.

Specifications

Fluid type : Air (No other gases or liquids)
 Working pressure : 0~150PSI (0~90kPa) (0~90kPa)
 Negative pressure : -29.5 in Hg / -750mmHg (-750Torr)
 Working temperature : 32~140 F / 0~60 C
 Applicable Tube: Polyurethane and Nylon

Structural Diagram



Product Code System

METRIC - BSPT(R)

HVC 06-01

HAND VALVE		Tube Dia		Thread Size	
CODE	φD	CODE	SIZE	CODE	SIZE
06	φ6	01	R1/8		
08	φ8	02	R1/4		
10	φ10	03	R3/8		
12	φ12	04	R1/2		

METRIC - BSPP(G)

HVC 06-G01

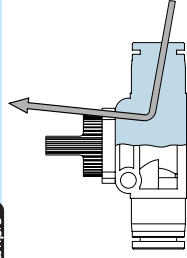
HAND VALVE		Tube Dia		Thread Size	
CODE	φD	CODE	SIZE	CODE	SIZE
06	φ6	G01	G1/8		
08	φ8	G02	G1/4		
10	φ10	G03	G3/8		
12	φ12	G04	G1/2		

INCH - NPT

HVC 1/4-N1

HAND VALVE		Tube Dia		Thread Size	
CODE	ØD	CODE	SIZE	CODE	SIZE
1/4	1/4"	N1	NPT1/8		
5/16	5/16"	N2	NPT1/4		
3/8	3/8"	N3	NPT3/8		
1/2	1/2"	N4	NPT1/2		

Applied example



- To insert the tube into the fitting, insert it fully to the end and for release, block the compressed air and push the sleeve gently to pull the tube out.
- Be sure to select the product according to your needs as hand valves discharge the remaining air using a 3-way method so that leakage may occur when fluids other than water are applied.

Hand valve

CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning Indications P7, and Common Caution of Fitting Products (P8) before use.

WARNING

- Do not force impact or rotation on the body or fitting section.
- Usage in vacuum state may cause operational errors due to drawn-in dust, so a vacuum filter should be attached at the intake side.
- Make sure that the hand lever operates at a full 90° otherwise, there may not be enough flow.

Hand Side valve

CAUTION

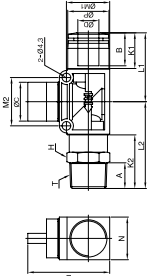
- Be sure to refer to Caution on Safety, Classification of Warning Indications P7, and Common Caution of Fitting Products (P8) before use.
- Make sure that the hand lever is turned properly to the desired side. If it isn't turned properly, there may not be enough flow.

WARNING

- Do not force impact or rotation on the body or fitting section. It may cause product damage or air leakage.
- Confirm the air flow control direction before use.
- Make sure that the power and air is blocked and the remaining pressure in pipes is completely removed before maintenance or inspection.

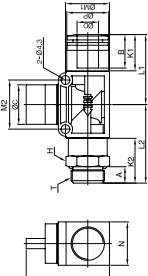
Hand Valves

HVC



METRIC-BSPT(R)

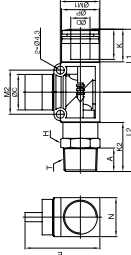
MODEL	ØD	T	ØP	H(hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	W(GBR)
HVC 05-01		R/8		14				80		216			35,6			
HVC 05-02	6	R/4	125	14	16,5	18,0	40,5	10,0	17,6	122	246	262	38,6	183	19,0	38,7 25
HVC 05-03		R/8		17				11,0		256			39,6			
HVC 05-03		R/8		17				11,0		256			39,6			
HVC 08-01		R/8		14				80		216			35,6			
HVC 08-02	8	R/4	148	14	16,5	18,0	40,5	10,0	18,7	130	246	27,5	38,6	183	19,0	38,7 25
HVC 08-03		R/8		17				11,0		256			39,6			
HVC 10-02		R/4		17				10,0		230			39,5			
HVC 10-03	10	R/8	175	17	19,3	21,2	41,0	11,0	19,6	145	240	31,0	40,5	215	24,0	61,2 20
HVC 10-04		R/2		21				14,0		270			43,5			
HVC 12-02		R/4		19				10,0		246			41,1			
HVC 12-03	12	R/8	205	19	19,3	21,2	41,0	11,0	21,9	177	256	34,2	42,1	215	24,0	67,1 20
HVC 12-04		R/2		21				14,0		286			45,1			



METRIC-BSPP(G)

MODEL	ØD	T	ØP	H(hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	W(GBR)
HVCB-001		G1/8		14				50		186			32,6			
HVCB-002	6	G1/4	125	17	16,5	18,0	40,5	6,5	17,6	122	201	262	34,1	183	19,0	39,7 25
HVCB-003		G3/8		20				6,5		201			34,1			
HVCB-001		G1/8		14				50		186			32,6			
HVCB-002	8	G1/4	148	17	16,5	18,0	40,5	6,5	18,7	130	201	27,5	34,1	183	19,0	39,7 25
HVCB-003		G3/8		20				6,5		201			34,1			
HVCB-002		G1/4		17				6,5		185			35,0			
HVCB-003	10	G3/8	175	20	19,3	21,2	41,0	6,5	19,6	145	185	31,0	35,0	215	24,0	57,2 20
HVCB-004		G1/2		24				8,0		200			36,5			
HVCB-002		G1/4		19				6,5		201			36,6			
HVCB-003	12	G3/8	205	20	19,3	21,2	41,0	6,5	21,9	177	201	34,2	36,6	215	24,0	61,1 20
HVCB-004		G1/2		24				8,0		216			38,1			

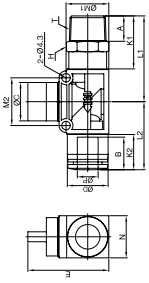
INCH-NPT



MODEL	ØD	T	ØP	H(hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	W(GBR)
HVC1/4-N1		NT1/8		9/16				85		125			37,1			
HVC1/4-N2	1/4	NT1/4	126	9/16	16,5	18,0	40,5	10,5	17,7	125	25,1	26,5	39,1	183	19,0	38,7 25
HVC1/4-N3		NT3/8		11/16				11,5		26,1			40,1			
HVC1/4-N3		NT3/8		11/16				11,5		26,1			40,1			
HVC1/6-N1		NT1/8		9/16				85		139			37,1			
HVC1/6-N2	5/16	NT1/4	148	9/16	16,5	18,0	40,5	10,5	19,1	139	25,1	27,9	39,1	183	19,0	38,7 25
HVC1/6-N3		NT3/8		11/16				11,5		26,1			40,1			
HVC3/8-N2		NT1/4		11/16				10,5		235			40,0			
HVC3/8-N3	3/8	NT3/8	175	11/16	19,3	21,2	41,0	11,5	19,7	144	24,5	30,9	41,0	215	24,0	77,2 20
HVC3/8-N4		NT1/2		7/8				14,5		275			44,0			
HVC1/2-N2		NT1/4		3/4				10,5		25,1			41,6			
HVC1/2-N3	1/2	NT3/8	210	3/4	19,3	21,2	41,0	11,5	23,2	178	26,1	34,3	42,6	215	24,0	84,0 20
HVC1/2-N4		NT1/2		7/8				14,5		29,1			45,6			

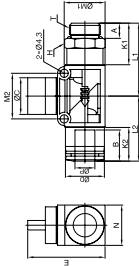
Hand Valves

HVF



METRIC-BSPT(R)

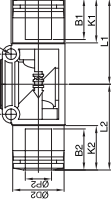
MODEL	ØD	T	ØP	H-lex	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT (KG)
HVF 01-06		R1/8		14				80	21.6	186	122	32.6	32.6	183	190	32.7
HVF 02-06	6	R1/4	125	17	16.5	18.0	40.5	100	17.6	201	122	34.1	262	183	190	39.7
HVF 03-06		R3/8		20				110	25.6	201	122	34.1	427	183	190	42.7
HVF 01-08		R1/8		14				80	21.6	186	122	32.6	32.6	183	190	32.7
HVF 02-08	8	R1/4	148	17	16.5	18.0	40.5	100	18.7	201	130	34.1	275	183	190	39.7
HVF 03-08		R3/8		20				110	25.6	201	130	34.1	447	183	190	44.7
HVF 02-10		R1/4		17				100	23.0	201	130	34.1	397	183	190	39.7
HVF 03-10	10	R3/8	175	17	19.3	21.2	41.0	110	19.6	240	145	40.5	310	215	240	61.2
HVF 04-10		R1/2		21				140	27.0	270	177	42.1	342	215	240	67.1
HVF 02-12		R1/4		19				100	24.6	201	130	34.1	397	183	190	39.7
HVF 03-12	12	R3/8	205	19	19.3	21.2	41.0	110	21.9	256	177	42.1	342	215	240	67.1
HVF 04-12		R1/2		21				140	28.6	286	177	42.1	342	215	240	73.1



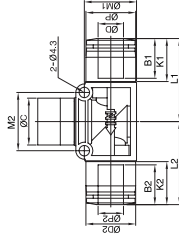
METRIC-BSPP(G)

MODEL	ØD	T	ØP	H-lex	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT (KG)
HVF 01-06		G1/8		14				80	21.6	186	122	32.6	32.6	183	190	32.7
HVF 02-06	6	G1/4	125	17	16.5	18.0	40.5	100	17.6	201	122	34.1	262	183	190	39.7
HVF 03-06		G3/8		20				110	25.6	201	122	34.1	427	183	190	42.7
HVF 01-08		G1/8		14				80	21.6	186	122	32.6	32.6	183	190	32.7
HVF 02-08	8	G1/4	148	17	16.5	18.0	40.5	100	18.7	201	130	34.1	275	183	190	39.7
HVF 03-08		G3/8		20				110	25.6	201	130	34.1	447	183	190	44.7
HVF 02-10		G1/4		17				100	23.0	201	130	34.1	397	183	190	39.7
HVF 03-10	10	G3/8	175	20	19.3	21.2	41.0	110	19.6	240	145	40.5	310	215	240	61.2
HVF 04-10		G1/2		24				140	27.0	270	177	42.1	342	215	240	67.1
HVF 02-12		G1/4		19				100	24.6	201	130	34.1	397	183	190	39.7
HVF 03-12	12	G3/8	205	20	19.3	21.2	41.0	110	21.9	256	177	42.1	342	215	240	67.1
HVF 04-12		G1/2		24				140	28.6	286	177	42.1	342	215	240	73.1

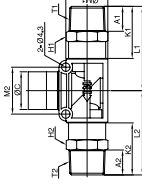
HVD



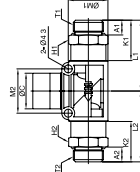
MODEL	ØD1	ØD2	ØF1	ØF2	ØC	N	E	B1	B2	K1	K2	L1	L2	M1	M2	WEIGHT (KG)	
HU-08-06	6	6	12.5	12.5	16.5	18.0	40.5	17.6	17.6	12.2	12.2	26.2	26.2	18.3	19.0	23.4	25
HU-08-06	8	8	14.8	14.8	16.5	18.0	40.5	18.7	17.6	13.0	13.0	27.5	26.2	18.3	19.0	24.4	25
HU-08-08	10	8	17.5	14.8	19.3	21.2	41.0	19.6	18.7	14.5	13.0	31.0	27.5	21.5	24.0	37.9	20
HU-08-10	10	10	17.5	17.5	19.6	19.6	19.6	19.6	19.6	14.5	14.5	31.0	31.0	21.5	38.4	20	20
HU-12-10	12	10	20.5	17.5	19.3	21.2	41.0	21.9	19.6	17.7	14.5	34.2	34.2	21.5	24.0	41.3	20
HU-12-12	12	12	20.5	20.5	19.3	21.2	41.0	21.9	19.6	17.7	17.7	34.2	34.2	21.5	24.0	46.2	20

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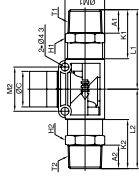
HVM



MODEL	T1	T2	HH35	H2Ex	OC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	MEGRG	BOVA
HM/01-01	R/8	R/8	14	14	165	180	405	80	80	216	216	356	356	183	190	450	25
HM/02-01	R/8	R/8	14	14	165	180	405	100	80	216	216	386	386	183	190	520	25
HM/02-02	R/4	R/4	14	14	165	180	405	100	100	246	246	386	386	215	240	800	20
HM/03-02	R/8	R/8	17	17	193	212	410	110	110	240	240	405	405	215	240	830	20
HM/04-03	R/8	R/8	17	17	193	212	410	110	110	240	240	405	405	215	240	1020	20
HM/04-04	R/2	R/2	21	21	193	212	410	140	140	286	286	451	451	240	260	1160	20



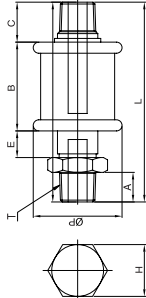
MODEL	T1	T2	H1HEX (HzHex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	ME3HG (kN/mm)		
HM/G01-G01	G1/8	G1/8	14	14	165	180	405	5.0	5.0	185	186	326	326	183	190	420	25
HM/G02-G01	G1/8	G1/8	14	14	165	180	405	5.0	5.0	186	186	326	326	183	190	420	25
HM/G02-G02	G1/4	G1/4	17	17	165	180	405	6.5	6.5	201	201	341	341	183	190	570	25
HM/G03-G02	G1/4	G1/4	17	17	193	212	410	6.5	6.5	185	185	350	350	215	240	690	20
HM/G03-G03	G3/8	G3/8	20	20	193	212	410	6.5	6.5	185	185	350	350	215	240	750	20
HM/G04-G03	G1/2	G1/2	24	24	193	212	410	8.0	8.0	216	216	366	366	215	240	900	20
HM/G04-G04	G1/2	G1/2	24	24	193	212	410	8.0	8.0	216	216	366	366	215	240	1000	20



MODEL	T1	T2	HzHex	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	MEGRG	BOXVAL
HMN1-N1	NFT1/8	NFT1/8	9/16	9/16	16.5	18.0	40.5	8.5	25.1	23.1	37.1	37.1	18.3	19.0	40.0	25
HMN2-N1	NFT1/8	NFT1/8	9/16	9/16	16.5	18.0	40.5	8.5	25.1	23.1	37.1	37.1	18.3	19.0	47.0	25
HMN2-N2	NFT1/4	NFT1/4	9/16	9/16	16.5	18.0	40.5	10.5	24.5	24.5	39.1	39.1	18.3	19.0	54.0	25
HMN3-N2	NFT1/8	NFT1/8	11/16	11/16	19.3	21.2	41.0	11.5	24.5	23.5	41.0	40.0	21.5	24.0	88.0	20
HMN3-N3	NFT3/8	NFT3/8	11/16	11/16	19.3	21.2	41.0	11.5	24.5	24.5	41.0	40.0	21.5	24.0	92.0	20
HMN4-N3	NFT3/8	NFT3/8	3/4	3/4	19.3	21.2	41.0	14.5	29.1	29.1	45.6	45.6	21.5	24.0	106.0	20
HMN4-N4	NFT1/2	NFT1/2	7/8	7/8	19.3	21.2	41.0	14.5	29.1	29.1	45.6	45.6	21.5	24.0	119.0	20

Hand Slide Valves

HSV



METRIC-BSPT(R)

MODEL	ØP	T	L	E	C	A	B	H (Hx)	OFFICE WEIGHT	BOXING
HSV/M5	19.0	M5-0.8p	45.0	6.0	7.0	4.1	23.0	9	2.6	24.0 50
HSV/01	24.0	R1/8	54.0	7.2	10.8	8.0	24.0	14	5.0	45.0 25
HSV/02	30.0	R1/4	73.5	7.7	12.8	10.0	38.0	17	8.0	112.0 12
HSV/03	41.0	R3/8	83.0	8.0	14.0	11.0	44.0	27	10.0	276.0 6
HSV/04	41.0	R1/2	89.0	8.0	17.0	14.0	44.0	27	13.0	270.0 6
HSV/06	49.0	R3/4	104.5	12.5	18.0	15.0	48.0	32	18.8	407.0 3

HAND VALVES / HAND SLIDE VALVES

O	C	S	H	S	C	T	S	T	A	O	C	T
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