

Pneumatics is changing air that is wherever and infinitely available in the world to power energy. You might seldom see its actual applications, but currently pneumatic equipment are used in production and conveyer lines in almost all industries.

VPC company, which was founded in 1985, as a leading manufacturer, is dedicated to serve the automation and labor saving requirements with our pneumatic product range.

Above, coupled with close connection with customers' requirements, enables us to manufacture and make good valve, high quality products and to operate successfully around the world. As natural result of such policy VPC has been recognized to be in compliance with the requirements as provided for the quality system standard ISO9001:2000, as well as the CE Certificate, which is the first pneumatic enterprise who get both certificates in Ningbo, China.

VPC built an excellent sales team is taking advantage of a widespread net of local and foreign distributor constant expansion in the main worldwide strategic areas. We believe the diversity of our product line, and the sincere work of our staff will make VPC to be world class performance leaders of pneumatic products.

Sincere Service  
Good Quality



Pneumatic Cylinder

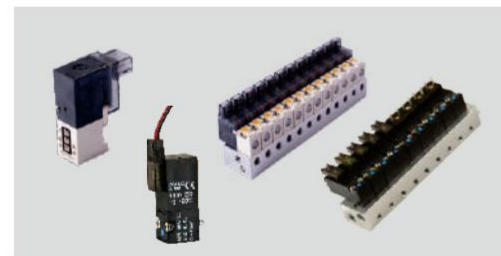


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## Air Treatment Units (FRL)



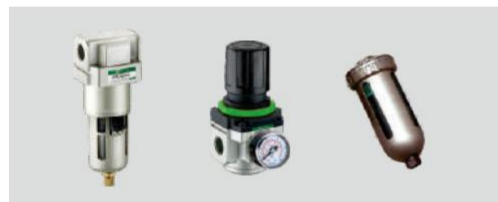
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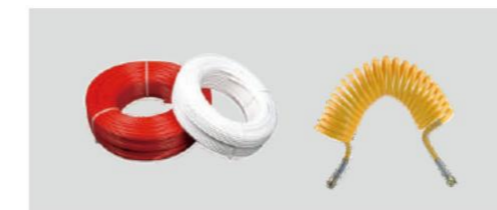
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## Measure Conversion Table

### Linear Measure

1 in	=25.4	mm
1 ft	=0.3048	m
1 mile	=1609.3	m

### Weight Measure

1 lb	=453.6	g
1 cwt	=50.8	Kg
1 UK ton	=1016	Kg
1 US ton	=907.2	Kg
1 ton	=1000	Kg

### Torsion Measure

1 in lb	=0.113	Nm
1 ft lb	=1.356	Nm
1 kgm	=9.807	Nm

### Temperature Measure

(°F-32) X5/9	=	°C
K-273.15	=	°C

### Capacity Measure

1 Litre	=0.001	m <sup>3</sup>
1 cu ft	=0.0283	m <sup>3</sup>
1 cu in	=16.39	cm <sup>3</sup>
1 US gal	=4.546	L
1 UK gal	=3.79	L

### Equivalent Exchange

1 psi	=6.895Kpa=0.07Kg/cm	=0.06895bar=0.0703atm
1sta atm	=14.7psi=101.3Kpa	=1.01325bar
1Kg/cm <sup>2</sup>	=98.07Kpa=14.22psi	=28.96ins mercury
1ft lb	=0.13826kgm	=1.356Nm
1L	=1000cm <sup>3</sup>	=1.7598pint =10 <sup>6</sup> mm <sup>3</sup>
1tonne	=1000kg	=0.984ton =2205lb
1m <sup>3</sup>	=10 <sup>6</sup> cm <sup>3</sup>	
1Pa	=1N/m <sup>2</sup>	
1cu ft/min.	=0.0283m <sup>3</sup> /min	=28.3l/min

### Area Measure

1 in <sup>2</sup>	=6.45	cm <sup>2</sup>
1 ft <sup>2</sup>	=0.0929	m <sup>2</sup>

### Pressure Measure

1 psi	=6.89	Kpa
1 Kg/cm <sup>2</sup>	=98.07	Kpa
1 bar	=100	Kpa
1 bar	=14.5	psi
1 atm	=101.3	Kpa
1 cm water	=97.89	pa
1 in water	=248.64	pa
1 mm mercury	=133.3	pa
1 in mercury	=3.39	Kpa
1 torr	=133.3	pa
1 ft water	=0.0298	bar
1 bar	=33.3	ft water

### Energy&Heat Measure

1 lb ft	=1.356	J
1 N m	=1	J
1 Kg f m	=9.807	J
1 Kw h	=3.6	MJ

### Force Measure

1 lbf	=4.45	N
1 Kg f	=9.81	N
1Kilopond (K P)	=9.81	N
1 ton force	=9.81	KN

### Power Measure

1 lb ft/sec	=4.358	W
1 Kg f m/sec	=9.807	W
1 N m/sec	=1	W
1 Joule/sec	=1	W
1 H. P. (IMP)	=745.7	W

## Cylinder

### User Manual

1. Before screwing the correct fitting in, make sure the thread ports and fittings are clean. Be aware of dust or fitting tap falling into the cylinder;
2. It is suggested to use the medium lubricated by 40um filter element;
3. Under the high-temperature environment, use the high-temperature type cylinder. Under the low-temperature environment, take measure to avoid frozen;
4. In order to prevent damaging the cylinder, test the cylinder with loading first and adjust the cushion tightly.
5. In order for the cylinder to achieve long service life, do not side-load cylinder,
6. If the fittings were removed from the cylinder for a period of time, be sure to block the thread port with protecting cap to keep the dust away.

### Caution

1. To remove the rust, external impurity and water, please install a filter near to the directional valve.
2. Please use galvanized pipe, nylon tube, rubber pipe etc corrosion resistant pipe materials.
3. For the piping between the cylinder and the directional control valve, please confirm section have effective cross-sectional area of the provisions of the velocity of the piston must be.
4. Piping before the removal of external impurity in the tube, chip etc. Please use compressed air to clean.
5. When connected with the component products, please do not mix with the sealing belt and other foreign bodies.
6. And in poor rod load please keep in axial state.

### Maintenance

1. The most suitable temperature for the use of the cylinder is 5-60°C, when the temperature exceeds 60°C, please consider to change the material of the seal ;if the temperature is below 5°C, due to the freezing of water in the loop, there may become an accident, please consider to prevent freezing.
2. Please don't use cylinder corrosion environment , otherwise they will be damaged or dysfunctional if must be used in such an environment, please consult with VPC for solution.
3. Compressed air used must be clean and less water.
4. The purpose of the buffer is to use the energy of the air to absorb the kinetic energy of the moving parts, so that the piston and the end cover are not impacted at the end of the stroke.
5. Pneumatic buffer at the factory has been adjusted. Due to the variation of load to adjust the buffer can slowly rotate to the right needle, counterclockwise is weakened.
6. Please do not use the cylinder directly to the cutting fluid, cooling environment, please add the dust cover on the cylinder.

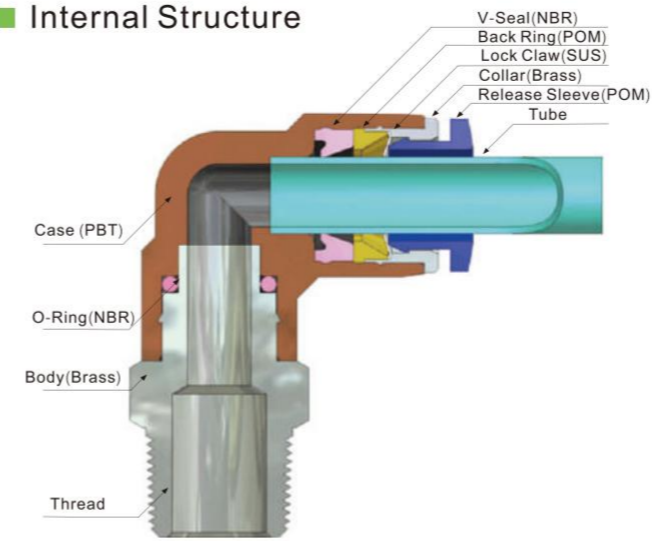
### Tips

1. Cylinder can be caused by using the cylinder in the large inertia of the super-permitted range.
2. Please do not beat the cylinder, resulting in injuries, which well cause the cause of bad action.
3. Please install in the horizontal plane, if the installation surface is uneven, may cause the cylinder is damaged.
4. Attention to the inertia force due to external forces, and sometimes lead to negative pressure in the cylinder, so that the cylinder seal off, causing the external leakage.



## One Touch-In Fitting

### Internal Structure



- \* Fast installation, simple and smart, space-saving.
- \* In a variety of models, suitable for any tubes.
- \* Even after installation, the direction of the tube can be changed freely.
- \* Elliptical release ring design easy to dismantle.
- \* Once be inserted, the tube would not easily loose.
- \* All the taper pipe threads are pre-coated sealant, perfect sealing performance.
- \* With Hex type, convenient to installation even the narrow place.

### Specifications

Working Medium	Air, Vacuum
Working Pressure Range	0~0.8Mpa
Max Pressure	1.2Mpa
Working Temperature	0~60°C
Applicable Tube	Nylon, PU

### Ordering Code One Touch-In Fitting

VPC	08	-	02
Series Code	Tube Outside		Thread
	04:4mm 5/32":5/32" 06:6mm 3/16":3/16" 08:8mm 1/4":1/4" 10:10mm 5/16":5/16" 12:12mm 3/8":3/8" 14:14mm 1/2":1/2" 16:16mm	M5:M5x0.8 M6:M6x1.0 01:1/8"PT 02:1/4"PT 03:3/8"PT 04:1/2"PT	G01:1/8"BSP 1/8"N:1/8"NPT G02:1/4"BSP 1/4"N:1/4"NPT G03:3/8"BSP 3/8"N:3/8"NPT G04:1/2"BSP 1/2"N:1/2"NPT

### Tube Size

Code	Tube(Metric)							Tube(Inch)					
	4	6	8	10	12	14	16	5/32	3/16	1/14	5/16	3/8	1/2
Tube Outside	Φ4	Φ6	Φ8	Φ10	Φ12	Φ14	Φ16	Φ5/32	Φ3/16	Φ1/14	Φ5/16	Φ3/8	Φ1/2

### Thread

Code	Thread (Metric)							
	M5	M6	M8	M10	M12	M14	M16	M20
Thread	M5x0.8	M6x1.0	M8x1.0	M10x1.0	M12x1.25	M14x1.5	M16x1.5	M20x1.5

Code	55° Thread(R)				
	01	02	03	04	06
Thread	R1/8	R1/4	R3/8	R1/2	R3/4

Code	55° Thread(G)				
	G01	G02	G03	G04	G06
Thread	G1/8	G1/4	G3/8	G1/2	G3/4

Code	Thread(UNF)		US Thread 60°			
	U10	01N	02N	03N	04N	06N
Thread	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

One Touch-In Fitting

VPC	Model(ΦD-T)							
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)			
	VPC04-M5	VPC06-04	VPC12-02	VPC1/4-01	VPC3/8-04	VPC5/32-1/8"N	VPC1/4-1/4"N	VPC1/2-1/4"N
VPC04-M6	VPC08-01	VPC12-03	VPC1/4-02	VPC1/2-02	VPC5/32-1/4"N	VPC1/4-3/8"N	VPC1/2-3/8"N	
VPC04-01	VPC08-02	VPC12-04	VPC1/4-03	VPC1/2-03	VPC3/16-1/8"N	VPC5/16-1/8"N	VPC1/2-1/2"N	
VPC04-02	VPC08-03	VPC14-03	VPC5/16-01	VPC1/2-04	VPC3/16-1/4"N	VPC5/16-1/4"N		
VPC06-M5	VPC08-04	VPC14-04	VPC5/16-02		VPC3/16-3/8"N	VPC5/16-3/8"N		
VPC06-M6	VPC10-01	VPC16-03	VPC5/16-03		VPC1/4-1/8"N	VPC3/8-1/8"N		
VPC06-01	VPC10-02	VPC16-04	VPC3/8-01			VPC3/8-1/4"N		
VPC06-02	VPC10-03		VPC3/8-02			VPC3/8-3/8"N		
VPC06-03	VPC10-04		VPC3/8-03			VPC3/8-1/2"N		



VPCF	Model(ΦD-T)				
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)
	VPCF04-01	VPCF10-01	VPCF1/4-01	VPCF5/32-1/8"N	VPCF3/8-1/4"N
VPCF04-02	VPCF10-02	VPCF1/4-02	VPCF5/32-1/4"N	VPCF3/8-3/8"N	
VPCF06-01	VPCF10-03	VPCF5/16-01	VPCF3/16-1/8"N	VPCF1/2-1/4"N	
VPCF06-02	VPCF10-04	VPCF5/16-02	VPCF3/16-1/4"N	VPCF1/2-3/8"N	
VPCF06-03	VPCF12-02	VPCF3/8-02	VPCF1/4-1/8"N		
VPCF08-01	VPCF12-03	VPCF3/8-03	VPCF1/4-1/4"N		
VPCF08-02	VPCF12-04		VPCF5/16-1/8"N		
VPCF08-03	VPCF16-03		VPCF5/16-1/4"N		
VPCF08-04	VPCF16-04		VPCF5/16-3/8"N		



VPOC	Model(ΦD-T)					
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)	
	VPOC04-M5	VPOC08-01	VPOC12-03	VPOC1/4-01	VPOC5/32-1/8"N	VPOC3/8-1/4"N
VPOC04-M6	VPOC08-02	VPOC12-04	VPOC1/4-02	VPOC1/4-1/8"N	VPOC3/8-3/8"N	
VPOC04-01	VPOC08-03	VPOC14-03	VPOC5/16-01	VPOC1/4-1/4"N	VPOC3/8-1/2"N	
VPOC04-02	VPOC08-04	VPOC14-04	VPOC5/16-02	VPOC5/16-1/8"N	VPOC1/2-1/4"N	
VPOC06-M5	VPOC10-01	VPOC16-03	VPOC5/16-03	VPOC5/16-1/4"N	VPOC1/2-3/8"N	
VPOC06-M6	VPOC10-02	VPOC16-04	VPOC3/8-02	VPOC5/16-3/8"N	VPOC1/2-1/2"N	
VPOC06-01	VPOC10-03		VPOC3/8-03			
VPOC06-02	VPOC10-04		VPOC3/8-04			
VPOC06-03	VPOC12-02					



VPM	Model(ΦD)	
	Tube(Metric)	Tube (Inch)
	VPM04	VPM5/32
VPM06	VPM3/16	
VPM08	VPM1/4	
VPM10	VPM5/16	
VPM12	VPM3/8	
VPM14	VPM1/2	
VPM16		



VPMF	Model(ΦD-T)			
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (NPT)	
	VPMF04-01	VPMF10-01	VPMF5/32-1/8"N	VPMF3/8-3/8"N
VPMF04-02	VPMF10-02	VPMF3/16-1/8"N	VPMF1/2-3/8"N	
VPMF06-01	VPMF10-03	VPMF3/16-1/4"N	VPMF1/2-1/2"N	
VPMF06-02	VPMF10-04	VPMF1/4-1/8"N		
VPMF06-03	VPMF12-02	VPMF1/4-1/4"N		
VPMF08-01	VPMF12-03	VPMF5/16-1/8"N		
VPMF08-02	VPMF12-04	VPMF5/16-1/4"N		
VPMF08-03	VPMF14-04	VPMF5/16-3/8"N		
VPMF08-04	VPMF16-04	VPMF3/8-1/4"N		



One Touch-In Fitting

VPL	Model(ΦD-T)							
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)			
	VPL04-M5	VPL06-04	VPL12-02	VPL1/4-01	VPL3/8-04	VPL5/32-1/8"N	VPL1/4-1/4"N	VPL1/2-1/4"N
VPL04-M6	VPL08-01	VPL12-03	VPL1/4-02	VPL1/2-02	VPL5/32-1/4"N	VPL1/4-3/8"N	VPL1/2-3/8"N	
VPL04-01	VPL08-02	VPL12-04	VPL1/4-03	VPL1/2-03	VPL3/16-1/8"N	VPL5/16-1/8"N	VPL1/2-1/2"N	
VPL04-02	VPL08-03	VPL14-03	VPL5/16-01	VPL1/2-04	VPL3/16-1/4"N	VPL5/16-1/4"N		
VPL06-M5	VPL08-04	VPL14-04	VPL5/16-02		VPL3/16-3/8"N	VPL5/16-3/8"N		
VPL06-M6	VPL10-01	VPL16-03	VPL5/16-03		VPL1/4-1/8"N	VPL3/8-1/8"N		
VPL06-01	VPL10-02	VPL16-04	VPL3/8-01			VPL3/8-1/4"N		
VPL06-02	VPL10-03		VPL3/8-02			VPL3/8-3/8"N		
VPL06-03	VPL10-04		VPL3/8-03			VPL3/8-1/2"N		



VPLF	Model(ΦD-T)				
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (NPT)		
	VPLF04-M5	VPLF06-03	VPLF10-04	VPLF5/32-1/8"N	VPLF3/8-1/4"N
VPLF04-M6	VPLF08-01	VPLF12-02	VPLF3/16-1/8"N	VPLF3/8-3/8"N	
VPLF04-01	VPLF08-02	VPLF12-03	VPLF3/16-1/4"N	VPLF1/2-3/8"N	
VPLF04-02	VPLF08-03	VPLF12-04	VPLF1/4-1/8"N	VPLF1/2-1/2"N	
VPLF06-M5	VPLF08-04	VPLF14-03	VPLF1/4-1/4"N		
VPLF06-M6	VPLF10-01	VPLF14-04	VPLF5/16-1/8"N		
VPLF06-01	VPLF10-02	VPLF16-03	VPLF5/16-1/4"N		
VPLF06-02	VPLF10-03	VPLF16-04	VPLF5/16-3/8"N		



VPLL	Model(ΦD-T)					
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)	
	VPLL04-M5	VPLL06-04	VPLL12-02	VPLL1/4-01	VPLL5/32-1/8"N	VPLL5/16-1/4"N
VPLL04-M6	VPLL08-01	VPLL12-03	VPLL1/4-02	VPLL3/16-1/8"N	VPLL5/16-3/8"N	
VPLL04-01	VPLL08-02	VPLL12-04	VPLL5/16-02	VPLL3/16-1/4"N	VPLL3/8-1/4"N	
VPLL04-02	VPLL08-03	VPLL14-03	VPLL3/8-02	VPLL3/16-3/8"N	VPLL3/8-3/8"N	
VPLL06-M5	VPLL08-04	VPLL14-04	VPLL3/8-03	VPLL1/4-1/8"N	VPLL3/8-1/2"N	
VPLL06-M6	VPLL10-01	VPLL16-03		VPLL1/4-1/4"N	VPLL1/2-1/4"N	
VPLL06-01	VPLL10-02	VPLL16-04		VPLL1/4-3/8"N	VPLL1/2-3/8"N	
VPLL06-02	VPLL10-03			VPLL5/16-1/8"N	VPLL1/2-1/2"N	
VPLL06-03	VPLL10-04					



VPB	Model(ΦD-T)							
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)			
	VPB04-M5	VPB06-04	VPB12-02	VPB1/4-01	VPB3/8-04	VPB5/32-1/8"N	VPB1/4-1/4"N	VPB1/2-1/4"N
VPB04-M6	VPB08-01	VPB12-03	VPB1/4-02	VPB1/2-02	VPB5/32-1/4"N	VPB1/4-3/8"N	VPB1/2-3/8"N	
VPB04-01	VPB08-02	VPB12-04	VPB1/4-03	VPB1/2-03	VPB3/16-1/8"N	VPB5/16-1/8"N	VPB1/2-1/2"N	
VPB04-02	VPB08-03	VPB14-03	VPB5/16-01	VPB1/2-04	VPB3/16-1/4"N	VPB5/16-1/4"N		
VPB06-M5	VPB08-04	VPB14-04	VPB5/16-02		VPB3/16-3/8"N	VPB5/16-3/8"N		
VPB06-M6	VPB10-01	VPB16-03	VPB5/16-03		VPB1/4-1/8"N	VPB3/8-1/8"N		
VPB06-01	VPB10-02	VPB16-04	VPB3/8-01			VPB3/8-1/4"N		
VPB06-02	VPB10-03		VPB3/8-02			VPB3/8-3/8"N		
VPB06-03	VPB10-04		VPB3/8-03			VPB3/8-1/2"N		



VPBF	Model(ΦD-T)							
	Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)		Tube (Inch) - Thread (NPT)			
	VPBF04-M5	VPBF06-04	VPBF12-02	VPBF1/4-01	VPBF3/8-04	VPBF5/32-1/8"N	VPBF1/4-1/4"N	VPBF1/2-1/4"N
VPBF04-M6	VPBF08-01	VPBF12-03	VPBF1/4-02	VPBF1/2-02	VPBF5/32-1/4"N	VPBF1/4-3/8"N	VPBF1/2-3/8"N	
VPBF04-01	VPBF08-02	VPBF12-04	VPBF1/4-03	VPBF1/2-03	VPBF3/16-1/8"N	VPBF5/16-1/8"N	VPBF1/2-1/2"N	
VPBF04-02	VPBF08-03	VPBF14-03	VPBF5/16-01	VPBF1/2-04	VPBF3/16-1/4"N	VPBF5/16-1/4"N		
VPBF06-M5	VPBF08-04	VPBF14-04	VPBF5/16-02		VPBF3/16-3/8"N	VPBF5/16-3/8"N		
VPBF06-M6	VPBF10-01	VPBF16-03	VPBF5/16-03		VPBF1/4-1/8"N	VPBF3/8-1/8"N		
VPBF06-01	VPBF10-02	VPBF16-04	VPBF3/8-01			VPBF3/8-1/4"N		
VPBF06-02	VPBF10-03		VPBF3/8-02			VPBF3/8-3/8"N		
VPBF06-03	VPBF10-04		VPBF3/8-03			VPBF3/8-1/2"N		



One Touch-In Fitting

VPD



Model(ΦD-T)						
Tube(Metric)-Thread(R)			Tube (Inch) -Thread (R)		Tube (Inch) - Thread (NPT)	
VPD04-M5	VPD06-04	VPD12-02	VPD1/4-01	VPD3/8-04	VPD5/32-1/8"N	VPD5/16-1/4"N
VPD04-M6	VPD08-01	VPD12-03	VPD1/4-02	VPD1/2-02	VPD5/32-1/4"N	VPD5/16-3/8"N
VPD04-01	VPD08-02	VPD12-04	VPD1/4-03	VPD1/2-03	VPD3/16-1/8"N	VPD3/8-1/8"N
VPD04-02	VPD08-03	VPD14-03	VPD5/16-01	VPD1/2-04	VPD3/16-1/4"N	VPD3/8-1/4"N
VPD06-M5	VPD08-04	VPD14-04	VPD5/16-02		VPD3/16-3/8"N	VPD3/8-3/8"N
VPD06-M6	VPD10-01	VPD16-03	VPD5/16-03		VPD1/4-1/8"N	VPD3/8-1/2"N
VPD06-01	VPD10-02	VPD16-04	VPD3/8-01		VPD1/4-1/4"N	VPD1/2-1/4"N
VPD06-02	VPD10-03		VPD3/8-02		VPD1/4-3/8"N	VPD1/2-3/8"N
VPD06-03	VPD10-04		VPD3/8-03		VPD5/16-1/8"N	VPD1/2-1/2"N

VPWT



Model(ΦD-T)						
Tube(Metric)-Thread(R)			Tube (Inch) -Thread (R)		Tube (Inch) - Thread (NPT)	
VPWT04-M5	VPWT06-04	VPWT12-02	VPWT1/4-01	VPWT3/8-04	VPWT5/32-1/8"N	VPWT5/16-1/4"N
VPWT04-M6	VPWT08-01	VPWT12-03	VPWT1/4-02	VPWT1/2-02	VPWT5/32-1/4"N	VPWT5/16-3/8"N
VPWT04-01	VPWT08-02	VPWT12-04	VPWT1/4-03	VPWT1/2-03	VPWT3/16-1/8"N	VPWT3/8-1/8"N
VPWT04-02	VPWT08-03		VPWT5/16-01	VPWT1/2-04	VPWT3/16-1/4"N	VPWT3/8-1/4"N
VPWT06-M5	VPWT08-04		VPWT5/16-02		VPWT3/16-3/8"N	VPWT3/8-3/8"N
VPWT06-M6	VPWT10-01		VPWT5/16-03		VPWT1/4-1/8"N	VPWT3/8-1/2"N
VPWT06-01	VPWT10-02		VPWT3/8-01		VPWT1/4-1/4"N	VPWT1/2-1/4"N
VPWT06-02	VPWT10-03		VPWT3/8-02		VPWT1/4-3/8"N	VPWT1/2-3/8"N
VPWT06-03	VPWT10-04		VPWT3/8-03		VPWT5/16-1/8"N	VPWT1/2-1/2"N

VPH



Model(ΦD-T)					
Tube(Metric)-Thread(R)			Tube (Inch) -Thread (R)		Tube (Inch) - Thread (NPT)
VPH04-M5	VPH06-03	VPH12-02	VPH1/4-M5	VPH5/32-1/8"N	VPH3/8-1/4"N
VPH04-M6	VPH08-01	VPH12-03	VPH1/4-01	VPH3/16-1/8"N	VPH3/8-3/8"N
VPH04-01	VPH08-02	VPH12-04	VPH1/4-02	VPH3/16-1/4"N	VPH1/2-3/8"N
VPH04-02	VPH08-03		VPH5/16-01	VPH1/4-1/8"N	VPH1/2-1/2"N
VPH06-M5	VPH08-04		VPH5/16-02	VPH1/4-1/4"N	
VPH06-M6	VPH10-02		VPH5/16-03	VPH5/16-1/8"N	
VPH06-01	VPH10-03		VPH3/8-02	VPH5/16-1/4"N	
VPH06-02	VPH10-04		VPH3/8-03	VPH5/16-3/8"N	

VPHF



Model(ΦD-T)					
Tube(Metric)-Thread(R)			Tube (Inch) -Thread (R)		Tube (Inch) - Thread (NPT)
VPHF04-M5	VPHF06-03	VPHF12-02	VPHF1/4-M5	VPHF5/32-1/8"N	VPHF3/8-1/4"N
VPHF04-M6	VPHF08-01	VPHF12-03	VPHF1/4-01	VPHF3/16-1/8"N	VPHF3/8-3/8"N
VPHF04-01	VPHF08-02	VPHF12-04	VPHF1/4-02	VPHF3/16-1/4"N	VPHF1/2-3/8"N
VPHF04-02	VPHF08-03		VPHF5/16-01	VPHF1/4-1/8"N	VPHF1/2-1/2"N
VPHF06-M5	VPHF08-04		VPHF5/16-02	VPHF1/4-1/4"N	
VPHF06-M6	VPHF10-02		VPHF5/16-03	VPHF5/16-1/8"N	
VPHF06-01	VPHF10-03		VPHF3/8-02	VPHF5/16-1/4"N	
VPHF06-02	VPHF10-04		VPHF3/8-03	VPHF5/16-3/8"N	

VPGJ



Model (ΦD1-ΦD2)		
Tube(Metric)-Tube(Metric)	Tube(Metric)-Tube(Inch)	Tube (Inch) - Tube (Inch)
VPGJ06-04	VPGJ08-1/4	VPGJ1/4-5/32
VPGJ08-04	VPGJ10-1/4	VPGJ5/16-5/32
VPGJ08-06	VPGJ10-5/16	VPGJ5/16-1/4
VPGJ10-06	VPGJ12-1/4	VPGJ3/8-1/4
VPGJ10-08	VPGJ12-5/16	VPGJ3/8-5/16
VPGJ12-06		VPGJ1/2-1/4
VPGJ12-08		VPGJ1/2-5/16
VPGJ12-10		VPGJ1/2-3/8

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VPU



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPU04	VPU5/32
VPU06	VPU3/16
VPU08	VPU1/4
VPU10	VPU5/16
VPU12	VPU3/8
VPU14	VPU1/2
VPU16	

VPV



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPV04	VPV5/32
VPV06	VPV3/16
VPV08	VPV1/4
VPV10	VPV5/16
VPV12	VPV3/8
VPV14	VPV1/2
VPV16	

VPE



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPE04	VPE5/32
VPE06	VPE3/16
VPE08	VPE1/4
VPE10	VPE5/16
VPE12	VPE3/8
VPE14	VPE1/2
VPE16	

VPY



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPY04	VPY5/32
VPY06	VPY3/16
VPY08	VPY1/4
VPY10	VPY5/16
VPY12	VPY3/8
VPY14	VPY1/2
VPY16	

VPW



Model (ΦD1-ΦD2)	
Tube(Metric)	Tube(Inch)
VPW06-04	VPW3/16-5/32
VPW08-04	VPW1/4-5/32
VPW08-06	VPW1/4-3/16
VPW10-06	VPW5/16-1/4
VPW10-08	VPW3/8-5/16
VPW12-08	VPW1/2-3/8
VPW12-10	

VPG



Model (ΦD1-ΦD2)		
Tube(Metric)	Tube(Inch)	
VPG06-04	VPG16-12	VPG3/16-5/32
VPG08-04	VPG16-14	VPG1/4-5/32
VPG08-06		VPG1/4-3/16
VPG10-06		VPG5/16-1/4
VPG10-08		VPG3/8-5/16
VPG12-10		VPG1/2-3/8

VPEG



Model (ΦD1-ΦD2)	
Tube(Metric)	Tube(Inch)
VPEG06-04	VPEG1/4-5/32
VPEG08-04	VPEG5/16-1/4
VPEG08-06	VPEG3/8-5/16
VPEG10-06	VPEG1/2-3/8
VPEG10-08	
VPEG12-08	
VPEG12-10	
VPEG16-12	

VPLJ



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPLJ04	VPLJ5/32
VPLJ06	VPLJ3/16
VPLJ08	VPLJ1/4
VPLJ10	VPLJ5/16
VPLJ12	VPLJ3/8
VPLJ16	VPLJ1/2

VPWJ



Model (ΦD1-ΦD2)	
Tube(Metric)	Tube(Inch)
VPWJ06-04	VPWJ1/4-5/32
VPWJ08-06	VPWJ5/16-1/4
VPWJ10-08	VPWJ3/8-5/16
VPWJ12-10	VPWJ1/2-3/8


VPYJ



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPYJ04	VPYJ5/32
VPYJ06	VPYJ3/16
VPYJ08	VPYJ1/4
VPYJ10	VPYJ5/16
VPYJ12	VPYJ3/8
VPYJ16	VPYJ1/2


One Touch-In Fitting

**VPSJ**




Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPSJ06-04	VPSJ1/4-5/32
VPSJ08-06	VPSJ5/16-1/4
VPSJ10-08	VPSJ3/8-5/16
VPSJ12-10	VPSJ1/2-3/8

**VPTJ**




Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPTJ06-04	VPTJ1/4-5/32
VPTJ08-06	VPTJ5/16-1/4
VPTJ10-08	VPTJ3/8-5/16
VPTJ12-10	VPTJ1/2-3/8

**VPIJ**




Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPIJ04	VPIJ5/32
VPIJ06	VPIJ3/16
VPIJ08	VPIJ1/4
VPIJ10	VPIJ5/16
VPIJ12	VPIJ3/8
VPIJ16	VPIJ1/2

**VPP**




Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPP04	VPP5/32
VPP06	VPP3/16
VPP08	VPP1/4
VPP10	VPP5/16
VPP12	VPP3/8
VPP16	VPP1/2

**VPKG**




Model (ΦD1-ΦD2)	
Tube(Metric)	Tube(Inch)
VPKG06-04	VPKG3/16-5/32
VPKG08-04	VPKG1/4-5/32
VPKG08-06	VPKG5/16-5/32
VPKG10-06	VPKG5/16-3/16
VPKG10-08	VPKG5/16-1/4
	VPKG3/8-1/4
	VPKG3/8-5/16

**VPIG**




Model (ΦD1-ΦD2)	
Tube(Metric)	Tube(Inch)
VPIG06-04	VPIG3/16-5/32
VPIG08-06	VPIG1/4-5/32
VPIG10-08	VPIG1/4-3/16
VPIG12-10	VPIG5/16-1/4
VPIG16-12	VPIG3/8-5/16
	VPIG1/2-3/8

**VPKD**




Model(ΦD1-ΦD2-T)	
Tube(Metric)-Thread(R)	
VPKD06-04-01	
VPKD08-04-02	
VPKD08-06-02	
VPKD10-08-03	

**VPZA**




Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPZA 04	VPZA 5/32
VPZA 06	VPZA3/16
VPZA 08	VPZA1/4
VPZA 10	VPZA5/16
VPZA 12	VPZA3/8
	VPZA1/2

**VPKB**



Model (ΦD-T)	
Tube(Metric)-Thread(R)	
VPKB04-01	
VPKB04-02	
VPKB06-01	
VPKB06-02	
VPKB06-03	

**VPK**



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPK 04	VPK5/32
VPK 06	VPK3/16
VPK 08	VPK1/4
	VPK5/16


One Touch-In Fitting With O-Ring

**VPC-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPC04-G01	VPC08-G02	VPC12-G02
VPC04-G02	VPC08-G03	VPC12-G03
VPC06-G01	VPC08-G04	VPC12-G04
VPC06-G02	VPC10-G01	VPC14-G03
VPC06-G03	VPC10-G02	VPC14-G04
VPC06-G04	VPC10-G03	VPC16-G03
VPC08-G01	VPC10-G04	VPC16-G04

**VPL-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPL04-G01	VPL08-G02	VPL12-G02
VPL04-G02	VPL08-G03	VPL12-G03
VPL06-G01	VPL08-G04	VPL12-G04
VPL06-G02	VPL10-G01	VPL14-G03
VPL06-G03	VPL10-G02	VPL14-G04
VPL06-G04	VPL10-G03	VPL16-G03
VPL08-G01	VPL10-G04	VPL16-G04

**VPCF-G**



Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPCF04-G01	VPCF08-G03	VPCF12-G03
VPCF04-G02	VPCF08-G04	VPCF12-G04
VPCF06-G01	VPCF10-G01	VPCF14-G03
VPCF06-G02	VPCF10-G02	VPCF14-G04
VPCF06-G03	VPCF10-G03	VPCF16-G03
VPCF08-G01	VPCF10-G04	VPCF16-G04
VPCF08-G02	VPCF12-G02	

**VPLF-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPLF04-G01	VPLF08-G03	VPLF12-G03
VPLF04-G02	VPLF08-G04	VPLF12-G04
VPLF06-G01	VPLF10-G01	VPLF14-G03
VPLF06-G02	VPLF10-G02	VPLF14-G04
VPLF06-G03	VPLF10-G03	VPLF16-G03
VPLF08-G01	VPLF10-G04	VPLF16-G04
VPLF08-G02	VPLF12-G02	

**VPOC-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPOC04-G01	VPOC08-G02	VPOC12-G02
VPOC04-G02	VPOC08-G03	VPOC12-G03
VPOC06-G01	VPOC08-G04	VPOC12-G04
VPOC06-G02	VPOC10-G01	VPOC14-G04
VPOC06-G03	VPOC10-G02	VPOC16-G03
VPOC06-G04	VPOC10-G03	VPOC16-G04
VPOC08-G01	VPOC10-G04	

**VPLL-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPLL04-G01	VPLL08-G02	VPLL12-G02
VPLL04-G02	VPLL08-G03	VPLL12-G03
VPLL06-G01	VPLL08-G04	VPLL12-G04
VPLL06-G02	VPLL10-G01	VPLL14-G04
VPLL06-G03	VPLL10-G02	VPLL16-G03
VPLL06-G04	VPLL10-G03	VPLL16-G04
VPLL08-G01	VPLL10-G04	

**VPMF-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPMF04-G01	VPMF08-G02	VPMF12-G02
VPMF04-G02	VPMF08-G03	VPMF12-G03
VPMF06-G01	VPMF08-G04	VPMF12-G04
VPMF06-G02	VPMF10-G01	VPMF14-G03
VPMF06-G03	VPMF10-G02	VPMF14-G04
VPMF06-G04	VPMF10-G03	VPMF16-G03
VPMF08-G01	VPMF10-G04	VPMF16-G04

**VPBF-G**




Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPBF 04-G01	VPBF08-G02	VPBF12-G02
VPBF 04-G02	VPBF08-G03	VPBF12-G03
VPBF 06-G01	VPBF08-G04	VPBF12-G04
VPBF 06-G02	VPBF10-G01	VPBF14-G03
VPBF 06-G03	VPBF10-G02	VPBF14-G04
VPBF 06-G04	VPBF10-G03	VPBF16-G03
VPBF 08-G01	VPBF10-G04	VPBF16-G04

**VPD-G**



Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPD 04-G01	VPD 08-G02	VPD 12-G02
VPD 04-G02	VPD 08-G03	VPD 12-G03
VPD 06-G01	VPD 08-G04	VPD 12-G04
VPD 06-G02	VPD 10-G01	VPD 14-G03
VPD 06-G03	VPD 10-G02	VPD 14-G04
VPD 06-G04	VPD 10-G03	VPD 16-G03
VPD 08-G01	VPD 10-G04	VPD 16-G04

**VPB-G**



Model (ΦD-T)		
Tube(Metric)-Thread(G)		
VPB 04-G01	VPB 08-G02	VPB 12-G02
VPB 04-G02	VPB 08-G03	VPB 12-G03
VPB 06-G01	VPB 08-G04	VPB 12-G04
VPB 06-G02	VPB 10-G01	VPB 14-G03
VPB 06-G03	VPB 10-G02	VPB 14-G04
VPB 06-G04	VPB 10-G03	VPB 16-G03
VPB 08-G01	VPB 10-G04	VPB 16-G04



### One Touch-In Fitting With O-Ring

#### VPWT-G



Model (ΦD-T)	
Tube(Metric)-Thread(G)	
VPWT 04-G01	VPWT 10-G01
VPWT 04-G02	VPWT 10-G02
VPWT 06-G01	VPWT 10-G03
VPWT 06-G02	VPWT 10-G04
VPWT 06-G03	VPWT 12-G02
VPWT 06-G04	VPWT 12-G03
VPWT 08-G01	VPWT 12-G04
VPWT 08-G02	
VPWT 08-G03	
VPWT 08-G04	

#### VPHF-G



Model (ΦD-T)	
Tube(Metric)-Thread(G)	
VPHF 04-G01	VPHF 08-G03
VPHF 06-G01	VPHF 10-G02
VPHF 06-G02	VPHF 10-G03
VPHF 08-G01	VPHF 12-G03
VPHF 08-G02	VPHF 12-G04

#### VPH-G



Model(ΦD-T)	
Tube(Metric)-Thread(G)	
VPH 04-G01	VPH 08-G03
VPH 06-G01	VPH 10-G02
VPH 06-G02	VPH 10-G03
VPH 08-G01	VPH 12-G03
VPH 08-G02	VPH 12-G04

#### VPKB-G



Model (ΦD-T)	
Tube(Metric)-Thread(G)	
VPKB 06-G01	
VPKB 06-G02	
VPKB 06-G03	
VPKB 08-G01	
VPKB 08-G02	
VPKB 08-G03	

#### VPKD-G



Model (ΦD1-ΦD2-T)	
Tube(Metric)-Thread(G)	
VPKD 06-04-G01	
VPKD 08-04-G02	
VPKD 08-06-G02	
VPKD 10-08-G03	

### Speed Control Valve

#### VSC



Model (ΦD-T)				
Tube(Metric)-Thread(R)		Tube (Inch) - Thread (R)	Tube (Inch) - Thread (NPT)	
VSC04-M5	VSC08-03	VSC1/4-M5	VSC5/32-5/32"N	VSC5/16-1/8"N
VSC04-01	VSC08-04	VSC1/4-01	VSC5/32-1/8"N	VSC5/16-1/4"N
VSC04-02	VSC10-01	VSC1/4-02	VSC3/16-3/16"N	VSC5/16-3/8"N
VSC06-M5	VSC10-02	VSC5/16-01	VSC3/16-1/8"N	VSC5/16-1/2"N
VSC06-01	VSC10-03	VSC5/16-02	VSC3/16-1/4"N	VSC3/8-1/4"N
VSC06-02	VSC10-04	VSC5/16-03	VSC3/16-3/8"N	VSC3/8-3/8"N
VSC06-03	VSC12-02	VSC3/8-02	VSC1/4-1/8"N	VSC3/8-1/2"N
VSC06-04	VSC12-03	VSC3/8-03	VSC1/4-1/4"N	VSC1/2-3/8"N
VSC08-01	VSC12-04		VSC1/4-3/8"N	VSC1/2-1/2"N
VSC08-02			VSC1/4-1/2"N	

#### VSC-G



Model (ΦD-T)	
Tube(Metric)-Thread(R)	
VSC 04-G01	VSC 08-G04
VSC 04-G02	VSC 10-G01
VSC 06-G01	VSC 10-G02
VSC 06-G02	VSC 10-G03
VSC 06-G03	VSC 10-G04
VSC 06-G04	VSC 12-G02
VSC 08-G01	VSC 12-G03
VSC 08-G02	VSC 12-G04
VSC 08-G03	

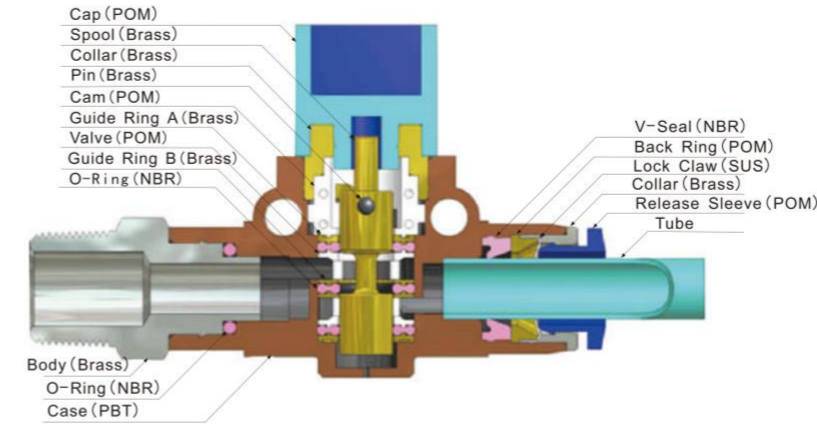
#### VPA



Model (ΦD)	
Tube(Metric)	Tube(Inch)
VPA 04	VPA 5/32
VPA 06	VPA 3/16
VPA 08	VPA 1/4
VPA 10	VPA 5/16
VPA 12	VPA 3/8
	VPA 1/2

### Hand Valve

#### Internal Structure

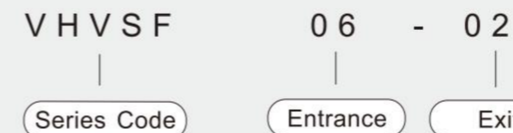


- \* The source of pressure can be completely shut off by simply turning the knob.
- \* Three-way directional control configuration releases the residual internal pressure on the output side when manually closed.
- \* Ideal for inspecting or repairing any devices without compromising the safety.

#### Specifications

Working Medium	Air
Working Pressure	0~1.0Mpa
Max Pressure	1.2Mpa
Working Temperature	0~60°C
Material	Nylon,PU

#### Ordering Code Hand Valve



VHVSF: Air Goes From Thread and Exits Through Tube-Tapered  
 VHVFS: Air Goes From Tube and Exits Through Thread-Tapered  
 VHVFF: Air Goes From Tube and Exits Through Tube  
 VHVSS: Air Goes From Thread and Exits Through Thread-Tapered

#### VHVSS-G



Model (T1-T2)	
Thread(G)-Thread(G)	
VHVSS G01-G01	VHVSS G04-G03
VHVSS G02-G01	VHVSS G04-G04
VHVSS G02-G02	
VHVSS G03-G02	
VHVSS G03-G03	

#### VHVSF-G



Model (ΦD-T)	
Tube(Metric)- Thread(G)	
VHVSF06-G01	VHVSF10-G02
VHVSF06-G02	VHVSF10-G03
VHVSF06-G03	VHVSF10-G04
VHVSF08-G01	VHVSF12-G02
VHVSF08-G02	VHVSF12-G03
VHVSF08-G03	VHVSF12-G04

#### VHVFS-G



Model (T-ΦD)	
Thread(G)- Tube(Metric)	
VHVFSG01-06	VHVFSG02-10
VHVFSG02-06	VHVFSG03-10
VHVFSG03-06	VHVFSG04-10
VHVFSG01-08	VHVFSG02-12
VHVFSG02-08	VHVFSG03-12
VHVFSG03-08	VHVFSG04-12

#### VHVSF



Model (ΦD-T)	
Tube(Metric)- Thread(R)	
VHVSF06-01	VHVSF10-02
VHVSF06-02	VHVSF10-03
VHVSF06-03	VHVSF10-04
VHVSF08-01	VHVSF12-02
VHVSF08-02	VHVSF12-03
VHVSF08-03	VHVSF12-04

#### VHVFS



Model (T-ΦD)	
Thread(R)- Tube(Metric)	
VHVFS01-06	VHVFS02-10
VHVFS02-06	VHVFS03-10
VHVFS03-06	VHVFS04-10
VHVFS01-08	VHVFS02-12
VHVFS02-08	VHVFS03-12
VHVFS03-08	VHVFS04-12

#### VHVSS



Model (T1-T2)	
Thread(R)-Thread(R)	
VHVSS 01-01	VHVSS 04-03
VHVSS 02-01	VHVSS 04-04
VHVSS 02-02	
VHVSS 03-02	
VHVSS 03-03	

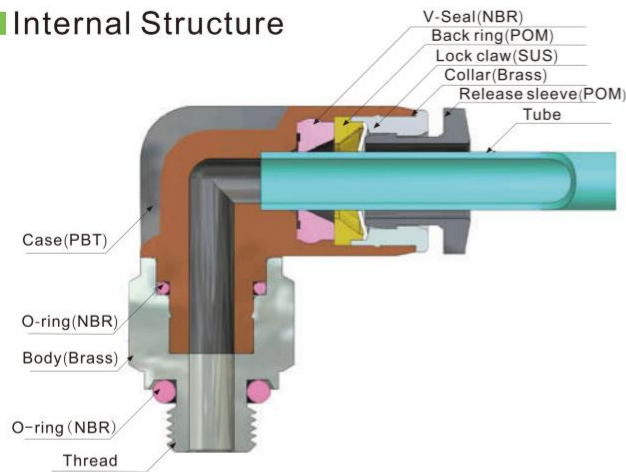
#### VHVFF



Model (ΦD1-ΦD2)	
Tube(Metric)-Tube(Metric)	
VHVFF 06-06	VHVFF 12-10
VHVFF 08-06	VHVFF 12-12
VHVFF 08-08	
VHVFF 10-08	
VHVFF 10-10	

### Mini Type One Touch-In Fitting

#### Internal Structure



#### Ordering Code



#### Tube Outside

	Tube(Metric)		
Code	03	04	06
Tube Outside(mm)	Φ3	Φ4	Φ6

#### Thread

	Thread(Metric)			Thread(R)
Code	M3	M5	M6	01
Thread	M3x0.5	M5x0.8	M6x1.0	R1/8

\* Ideal for pneumatic connections specifically for small and compact equipments.  
\* Nickel-plated metallic standardized feature for all applicable compact fittings.

VPC-C	Model(ΦD-T)		
	Tube(Metric)		
ΦD	VPC03-M3C	VPC04-M3C	VPC06-M5C
T	VPC03-M5C	VPC04-M5C	VPC06-M6C
	VPC03-M6C	VPC04-M6C	VPC06-01C
	VPC03-01C	VPC04-01C	

VPL-C	Model(ΦD-T)		
	Tube(Metric)		
T	VPL03-M3C	VPL04-M3C	VPL06-M5C
ΦD	VPL03-M5C	VPL04-M5C	VPL06-M6C
	VPL03-M6C	VPL04-M6C	VPL06-01C
	VPL04-01C		

VPB-C	Model(ΦD-T)		
	Tube(Metric)		
ΦD	VPB03-M3C	VPB04-M3C	VPB06-M5C
ΦD	VPB03-M5C	VPB04-M5C	VPB06-M6C
ΦD	VPB03-M6C	VPB04-M6C	VPB06-01C
	VPB04-01C		

VPD-C	Model(ΦD-T)		
	Tube(Metric)		
ΦD	VPD03-M3C	VPD04-M3C	VPD06-M5C
ΦD	VPD03-M5C	VPD04-M5C	VPD06-M6C
ΦD	VPD03-M6C	VPD04-M6C	VPD06-01C
	VPD04-01C		

VPCF-C	Model(ΦD-T)		
	Tube(Metric)		
ΦD	VPCF03-M3C	VPCF04-M3C	VPCF06-M5C
ΦD	VPCF03-M5C	VPCF04-M5C	VPCF06-M6C
ΦD	VPCF03-M6C	VPCF04-M6C	VPCF06-01C
	VPCF04-01C		

VPOC-C	Model(ΦD-T)		
	Tube(Metric)		
ΦD	VPOC03-M3C	VPOC04-M3C	VPOC06-M5C
ΦD	VPOC03-M5C	VPOC04-M5C	VPOC06-M6C
ΦD	VPOC03-M6C	VPOC04-M6C	VPOC06-01C
	VPOC04-01C		

VPU-C	Model(ΦD)
	Tube(Metric)
ΦD	VPU03C
ΦD	VPU04C
ΦD	VPU06C

VPV-C	Model(ΦD)
	Tube(Metric)
ΦD	VPV03C
ΦD	VPV04C
ΦD	VPV06C

VPE-C	Model(ΦD)
	Tube(Metric)
ΦD	VPE03C
ΦD	VPE04C
ΦD	VPE06C

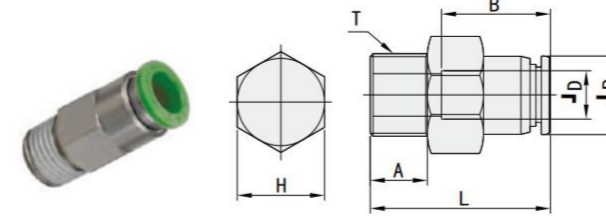
VPG-C	ΦD1-ΦD2
	Tube(Metric)
ΦD2	VPG04-03C
ΦD2	VPG06-03C
ΦD2	VPG06-04C

VPY-C	Model(ΦD)
	Tube(Metric)
ΦD	VPY03C
ΦD	VPY04C
ΦD	VPY06C

VPW-C	ΦD1-ΦD2
	Tube(Metric)
ΦD1	VPW04-03C
ΦD2	VPW06-03C
ΦD2	VPW06-04C

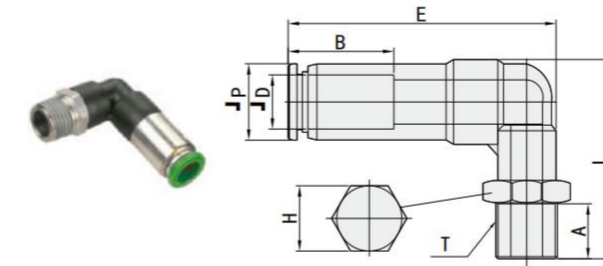
### Stop Fitting

#### VSPC



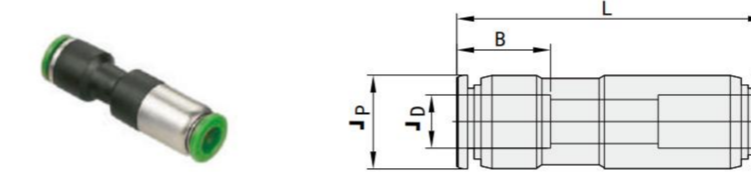
Model	ΦD	ΦP	T	L	A	B	H
VSPC4-01	4	10	R1/8	26.1	8	15.3	10
VSPC6-01	6	12	R1/8	23.3	8	17.0	12
VSPC6-02	6	12	R1/4	23.3	10	17.0	14
VSPC8-02	8	14	R1/4	33.3	10	18.6	14
VSPC8-03	8	14	R3/8	33.3	11	18.6	17
VSPC10-02	10	17	R1/4	35.6	10	20.3	17
VSPC10-03	10	17	R3/8	35.6	11	20.3	17
VSPC10-04	10	17	R1/2	35.6	14	20.3	21
VSPC12-02	12	18.8	R1/4	41.9	10	22.7	19
VSPC12-03	12	18.8	R3/8	41.9	11	22.7	19
VSPC12-04	12	18.8	R1/2	41.9	14	22.7	21

#### VSPL



Model	ΦD	ΦP	T	L	A	B	H
VSPL4-M5	4	10	M5x0.8P	34.5	4.6	15.3	10
VSPL4-M6	4	10	M6x1.0P	34.5	4.1	15.3	10
VSPL4-01	4	10	R1/8	34.5	8.0	15.3	10
VSPL6-M5	6	12	M5x0.8P	38.9	4.6	17.0	12
VSPL6-01	6	12	R1/8	38.9	8.0	17.0	12
VSPL6-02	6	12	R1/4	38.9	10.0	17.0	14
VSPL8-01	8	14	R1/8	48.6	8.0	18.6	14
VSPL8-02	8	14	R1/4	48.6	10.0	18.6	14
VSPL10-02	10	17	R1/4	55.0	10.0	20.3	17
VSPL10-03	10	17	R3/8	55.0	11.0	20.3	17
VSPL10-04	10	17	R1/2	55.0	14.0	20.3	21
VSPL12-03	12	18.8	R3/8	63.7	11.0	22.7	19
VSPL12-04	12	18.8	R1/2	63.7	14.0	22.7	21

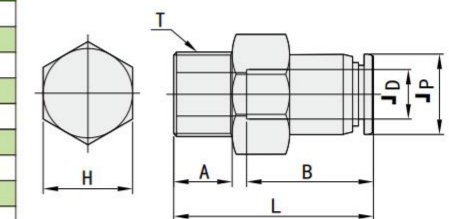
#### VSPU



Model	ΦD	ΦP	L	B
VSPU04	4	10.5	42.5	15.7
VSPU06	6	12.5	46.0	17.0
VSPU08	8	14.8	53.7	19.1
VSPU10	10	17.5	58.2	20.2
VSPU12	12	20.5	67.1	22.7

### Check Valve

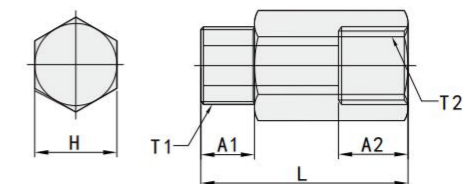
Model	ΦD	ΦP	T	L	A	B	H
VCVPC4-M5	4	10	M5x0.8P	31.4	3.6	15.3	10
VCVPC4-M6	4	10	M6x1.0P	30.4	4.6	15.3	10
VCVPC4-01	4	10	R1/8	27.3	8.0	15.3	10
VCVPC6-01	6	11.9	R1/8	32.6	8.0	16.3	12
VCVPC6-02	6	11.9	R1/4	32.6	10.0	16.3	12
VCVPC8-01	8	14	R1/8	34.9	8.0	18.3	14
VCVPC8-02	8	14	R1/4	37.2	10.0	18.3	14
VCVPC10-03	10	23	R3/8	56.3	11.0	20.3	22
VCVPC10-04	10	23	R1/2	58.3	14.0	20.3	22
VCVPC12-03	12	25	R3/8	62.3	12.0	20.3	24
VCVPC12-04	12	25	R1/2	65.3	14.0	20.3	24



#### VCVPC



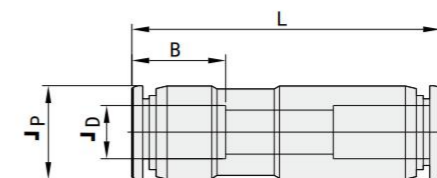
Model	T1	T2	L	A1	A2	H
VCVPF01-01	R1/8	R1/8	28.1	8	8	12
VCVPF02-02	R1/4	R1/4	34.1	11	11	17
VCVPF03-03	R3/8	R3/8	53.8	12	12	22
VCVPF04-04	R1/2	R1/2	60.0	14	14	24



#### VCVPF



Model	ΦD	ΦP	L	B
VCVPU04	4	10.5	42.3	15.7
VCVPU06	6	12.5	47.5	17.0
VCVPU08	8	14.8	56.4	19.1
VCVPU10	10	23.0	65.2	20.5
VCVPU12	12	25.0	73.0	23.3




#### VCVPU






KQ Series One Touch-in Fitting

**KQ2E**




Model (ΦD)	
Tube(Metric)-Tube(Metric)	
KQ2E 04-00	KQ2E 10-00
KQ2E 06-00	KQ2E 12-00
KQ2E 08-00	

**KQ2LE**




Model (ΦD)	
Tube(Metric)-Tube(Metric)	
KQ2LE 04-00	KQ2LE 10-00
KQ2LE 06-00	KQ2LE 12-00
KQ2LE 08-00	

**KQ2T**




Model (ΦD-T)	
Tube(Metric)-Thread(R)	
KQ2T 04-00	KQ2T 08-10
KQ2T 06-00	KQ2T 10-12
KQ2T 08-00	KQ2T 06-04
KQ2T 10-00	KQ2T 08-06
KQ2T 12-00	KQ2T 10-08
KQ2T 04-06	KQ2T 12-10
KQ2T 06-08	

**KQ2U**




Model (ΦD)	
Tube(Metric)-Thread(R)	
KQ2U 04-00	KQ2U 08-10
KQ2U 06-00	KQ2U 10-12
KQ2U 08-00	KQ2U 06-04
KQ2U 10-00	KQ2U 08-06
KQ2U 12-00	KQ2U 10-08
KQ2U 04-06	KQ2U 12-10
KQ2U 06-08	

**KQ2H**




Model (ΦD)	
Tube(Metric)-Thread(R)	
KQ2H 04-00	KQ2H 04-06
KQ2H 06-00	KQ2H 06-08
KQ2H 08-00	KQ2H 08-10
KQ2H 10-00	KQ2H 10-12
KQ2H 12-00	

**KQ2L**




Model (ΦD)	
Tube(Metric)-Thread(R)	
KQ2L 04-00	KQ2L 04-06
KQ2L 06-00	KQ2L 06-08
KQ2L 08-00	KQ2L 08-10
KQ2L 10-00	KQ2L 10-12
KQ2L 12-00	

**KQ2VF**




Model (ΦD-T)	
Tube(Metric)-Thread(R)	
KQ2VF 04-M5	KQ2VF 10-01S
KQ2VF 04-01S	KQ2VF 10-02S
KQ2VF 06-01S	KQ2VF 12-02S
KQ2VF 06-02S	KQ2VF 12-03S
KQ2VF 08-01S	KQ2VF 12-04S
KQ2VF 08-02S	

**KQ2L**



Model (ΦD)	
Tube(Metric)-Thread(R)	
KQ2L 04-06	KQ2L 08-10
KQ2L 04-08	KQ2L 08-12
KQ2L 06-08	KQ2L 10-12
KQ2L 06-10	

**KQ2X**




Model (ΦD)	
Tube(Metric)	
QK2X 04-06	
QK2X 06-08	
QK2X 08-10	
QK2X 10-12	

**KQ2UD**




Model (ΦD)	
Tube(Metric)	
QK2UD 04-01S	
QK2UD 04-02S	
QK2UD 06-01S	
QK2UD 06-02S	

**HQ2UD**



Model (ΦD)	
Tube(Metric)	
QK2UD 04-06	
QK2UD 06-08	

**KQ2L**




Model (ΦD)	
Tube(Metric)	
QK2L 04-66	
QK2L 06-99	
QK2L 08-99	
QK2L 10-99	
QK2L 12-99	

**KQ2W**




Model (ΦD)	
Tube(Metric)	
QK2W 04-66	
QK2W 06-99	
QK2W 08-99	
QK2W 10-99	
QK2W 12-99	

**HQ2U**




Model (ΦD)	
Tube(Metric)	
QK2U 04-99	
QK2U 06-99	
QK2U 08-99	
QK2U 10-99	
QK2U 12-99	

**KQ2P**




ΦD1-ΦD2	
Tube(Metric)	
KQ2P-04	
KQ2P-06	
KQ2P-08	
KQ2P-10	
KQ2P-12	

**KQ2C**



Model (ΦD)	
Tube(Metric)	
KQ2C 04-00	
KQ2C 06-00	
KQ2C 08-00	
KQ2C 10-00	
KQ2C 12-00	


**KQ2TW**



ΦD1-ΦD2	
Tube(Metric)	
KQ2TW 04-00	
KQ2TW 06-00	
KQ2TW 08-00	
KQ2TW 10-00	
KQ2TW 12-00	


Brass One Touch-in Fitting

**VMPC-G**




Model(ΦD-T)		
Tube(Metric)-Thread(G)		
VMPC 04-M5	VMPC 06-G02	VMPC 10-G01
VMPC 04-M6	VMPC 06-G03	VMPC 10-G02
VMPC 04-G01	VMPC 06-G04	VMPC 10-G03
VMPC 04-G02	VMPC 08-G01	VMPC 10-G04
VMPC 06-M5	VMPC 08-G02	VMPC 12-G02
VMPC 06-M6	VMPC 08-G03	VMPC 12-G03
VMPC 06-G01	VMPC 08-G04	VMPC 12-G04

**VMPU**




Model (ΦD)	
Tube(Metric)	
VMPU 04	VMPU 10
VMPU 06	VMPU 12
VMPU 08	

**VMPL-G**




Model(ΦD-T)		
Tube(Metric)-Thread(G)		
VMPL 04-M5	VMPL 06-G02	VMPL 10-G02
VMPL 04-M6	VMPL 06-G03	VMPL 10-G03
VMPL 04-G01	VMPL 08-G01	VMPL 10-G04
VMPL 04-G02	VMPL 08-G02	VMPL 12-G02
VMPL 06-M5	VMPL 08-G03	VMPL 12-G03
VMPL 06-M6	VMPL 08-G04	VMPL 12-G04
VMPL 06-G01	VMPL 10-G01	

**VMPY**




Model (ΦD)	
Tube(Metric)	
VMPY 04	VMPY 10
VMPY 06	VMPY 12
VMPY 08	

**VMPB-G**




Model(ΦD-T)		
Tube(Metric)-Thread(G)		
VMPB 04-M5	VMPB 06-G02	VMPB 10-G02
VMPB 04-M6	VMPB 06-G03	VMPB 10-G03
VMPB 04-G01	VMPB 08-G01	VMPB 10-G04
VMPB 04-G02	VMPB 08-G02	VMPB 12-G02
VMPB 06-M5	VMPB 08-G03	VMPB 12-G03
VMPB 06-M6	VMPB 08-G04	VMPB 12-G04
VMPB 06-G01	VMPB 10-G01	

**VMPE**




Model (ΦD)	
Tube(Metric)	
VMPE 04	VMPE 10
VMPE 06	VMPE 12
VMPE 08	

**VMPCF-G**



Model(ΦD-T)		
Tube(Metric)-Thread(G)		
VMPCF 04-G01	VMPCF 08-G02	VMPCF 12-G02
VMPCF 04-G02	VMPCF 08-G03	VMPCF 12-G03
VMPCF 06-G01	VMPCF 10-G01	VMPCF 12-G04
VMPCF 06-G02	VMPCF 10-G02	
VMPCF 06-G03	VMPCF 10-G03	
VMPCF 08-G01	VMPCF 10-G04	

**VMPV**




Model (ΦD)	
Tube(Metric)	
VMPV 04	VMPV 10
VMPV 06	VMPV 12
VMPV08	

**VMPSC-G**




Model(ΦD-T)	
Tube(Metric)-Thread(G)	
VMPSC 04-G01	
VMPSC 04-G02	
VMPSC 06-G01	
VMPSC 06-G02	
VMPSC 08-G01	
VMPSC 08-G02	

**VMPGJ**



Model (ΦD1-ΦD2)	
Tube(Metric)	
VMPGJ 06-04	VMPGJ 10-08
VMPGJ 08-04	VMPGJ 12-08
VMPGJ 08-06	VMPGJ 12-10
VMPGJ 10-06	


**VMPM**



Model (ΦD)	
Tube(Metric)	
VMPM 04	VMPM 10
VMPM 06	VMPM 12
VMPM 08	


**Stainless Steel Fitting**

**SSPC**




Model (ΦD-T)		
Tube(Metric)-Thread(PT)		
SSPC 04-M5	SSPC 06-02	SSPC 10-01
SSPC 04-M6	SSPC 06-03	SSPC 10-02
SSPC 04-01	SSPC 06-04	SSPC 10-03
SSPC 04-02	SSPC 08-01	SSPC 10-04
SSPC 06-M5	SSPC 08-02	SSPC 12-02
SSPC 06-M6	SSPC 08-03	SSPC 12-03
SSPC 06-01	SSPC 08-04	SSPC 12-04

**SSPU**



Model (ΦD)	
Tube(Metric)	
SSPU 04	SSPU 10
SSPU 06	SSPU 12
SSPU 08	

**SSPL**




Model (ΦD-T)		
Tube(Metric)-Thread(PT)		
SSPL 04-M5	SSPL 06-02	SSPL 10-02
SSPL 04-M6	SSPL 06-03	SSPL 10-03
SSPL 04-01	SSPL 08-01	SSPL 10-04
SSPL 04-02	SSPL 08-02	SSPL 12-02
SSPL 06-M5	SSPL 08-03	SSPL 12-03
SSPL 06-M6	SSPL 08-04	SSPL 12-04
SSPL 06-01	SSPL 10-01	

**SSPY**




Model (ΦD)	
Tube(Metric)	
SSPY 04	SSPY 10
SSPY 06	SSPY 12
SSPY 08	

**SSPD**




Model (ΦD-T)		
Tube(Metric)-Thread(PT)		
SSPD 04-M5	SSPD 06-02	SSPD 10-02
SSPD 04-M6	SSPD 06-03	SSPD 10-03
SSPD 04-01	SSPD 08-01	SSPD 10-04
SSPD 04-02	SSPD 08-02	SSPD 12-02
SSPD 06-M5	SSPD 08-03	SSPD 12-03
SSPD 06-M6	SSPD 08-04	SSPD 12-04
SSPD 06-01	SSPD 10-01	

**SSPE**



Model (ΦD)	
Tube(Metric)	
SSPE 04	SSPE 10
SSPE 06	SSPE 12
SSPE 08	

**SSPCF**




Model (ΦD-T)		
Tube(Metric)-Thread(PT)		
SSPCF 04-01	SSPCF 08-02	SSPCF 12-02
SSPCF 04-02	SSPCF 08-03	SSPCF 12-03
SSPCF 06-01	SSPCF 10-01	SSPCF 12-04
SSPCF 06-02	SSPCF 10-02	
SSPCF 06-03	SSPCF 10-03	
SSPCF 08-01	SSPCF 10-04	

**SSPV**




Model (ΦD)	
Tube(Metric)	
SSPV 04	SSPV 10
SSPV 06	SSPV 12
SSPV08	

**SSPSC**



Model (ΦD-T)	
Tube(Metric)-Thread(PT)	
SSPSC 04-01	
SSPSC 04-02	
SSPSC 06-01	
SSPSC 06-02	
SSPSC 08-01	
SSPSC 08-02	

**SSPK**



Model (ΦD)	
Tube(Metric)	
SSPK 04	
SSPK 06	
SSPK 08	
SSPK 10	

**SSPM**



Model (ΦD)	
Tube(Metric)	
SSPM 04	SSPM 10
SSPM 06	SSPM 12
SSPM 08	

**VPC Series Pipe Fitting**

**VLBN**



Model	Size
VLBN-0101	1/8 " X1/8 "
VLBN-0201	1/4 " X1/8 "
VLBN-0202	1/4 " X1/4 "
VLBN-0301	3/8 " X1/8 "
VLBN-0302	3/8 " X1/4 "
VLBN-0303	3/8 " X3/8 "
VLBN-0402	1/2 " X1/4 "
VLBN-0403	1/2 " X3/8 "
VLBN-0404	1/2 " X1/2 "
VLBN-0604	3/4 " X1/2 "
VLBN-0606	3/4 " X3/4 "

**VBLFM**



Model	Size
VBLFM-0101	1/8 " X1/8 "
VBLFM-0102	1/8 " X1/4 "
VBLFM-0201	1/4 " X1/8 "
VBLFM-0202	1/4 " X1/4 "
VBLFM-0203	1/4 " X3/8 "
VBLFM-0301	3/8 " X1/8 "
VBLFM-0302	3/8 " X1/4 "
VBLFM-0303	3/8 " X3/8 "
VBLFM-0304	3/8 " X1/2 "
VBLFM-0403	1/2 " X3/8 "
VBLFM-0404	1/2 " X1/2 "

**VBTM**



Model	Size
VBTM-001	1/8 "
VBTM-002	1/4 "
VBTM-003	3/8 "
VBTM-004	1/2 "

**VBFM**



Model	Size
VBFM-0101	1/8 " X1/8 "
VBFM-0102	1/8 " X1/4 "
VBFM-0103	1/8 " X3/8 "
VBFM-0201	1/4 " X1/8 "
VBFM-0202	1/4 " X1/4 "
VBFM-0203	1/4 " X3/8 "
VBFM-0204	1/4 " X1/2 "
VBFM-0301	3/8 " X1/8 "
VBFM-0302	3/8 " X1/4 "
VBFM-0303	3/8 " X3/8 "
VBFM-0304	3/8 " X1/2 "
VBFM-0402	1/2 " X1/4 "
VBFM-0403	1/2 " X3/8 "
VBFM-0404	1/2 " X1/2 "
VBFM-0505	3/4 " X3/4 "

**VBCN**



Model	Size
VBCN-0101	1/8 " X1/8 "
VBCN-0201	1/4 " X1/8 "
VBCN-0202	1/4 " X1/4 "
VBCN-0301	3/8 " X1/8 "
VBCN-0302	3/8 " X1/4 "
VBCN-0303	3/8 " X3/8 "
VBCN-0401	1/2 " X1/8 "
VBCN-0402	1/2 " X1/4 "
VBCN-0403	1/2 " X3/8 "
VBCN-0404	1/2 " X1/2 "
VBCN-0602	3/4 " X1/4 "
VBCN-0603	3/4 " X3/8 "
VBCN-0604	3/4 " X1/2 "
VBCN-0606	3/4 " X3/4 "
VBCN-0804	1 " X1/2 "
VBCN-0806	1 " X3/4 "
VBCN-0808	1 " X1 "

**VBTF2**




Model	Size
VBTF2-001	1/8 "
VBTF2-002	1/4 "
VBTF2-003	3/8 "

**VBBU**



Model	Size
VBBU-0201	1/4 " X1/8 "
VBBU-0301	3/8 " X1/8 "
VBBU-0302	3/8 " X1/4 "
VBBU-0401	1/2 " X1/8 "
VBBU-0402	1/2 " X1/4 "
VBBU-0403	1/2 " X3/8 "
VBBU-0602	3/4 " X1/4 "
VBBU-0603	3/4 " X3/8 "
VBBU-0604	3/4 " X1/2 "
VBBU-0802	1 " X1/4 "
VBBU-0803	1 " X3/8 "
VBBU-0804	1 " X1/2 "
VBBU-0806	1 " X3/4 "

**VBCF**




Model	Size
VBCF-0101	1/8 " X1/8 "
VBCF-0201	1/4 " X1/8 "
VBCF-0202	1/4 " X1/4 "
VBCF-0301	3/8 " X1/8 "
VBCF-0302	3/8 " X1/4 "
VBCF-0303	3/8 " X3/8 "
VBCF-0401	1/2 " X1/8 "
VBCF-0402	1/2 " X2/8 "
VBCF-0403	1/2 " X3/8 "
VBCF-0404	1/2 " X1/2 "
VBCF-0603	3/4 " X3/8 "
VBCF-0604	3/4 " X1/2 "
VBCF-0606	3/4 " X3/4 "

**VBLF**




Model	Size
VBLF-001	1/8 "
VBLF-002	1/4 "
VBLF-003	3/8 "
VBLF-004	1/2 "

**VBP1**



Model	Size
VBP1-001	1/8 "
VBP1-002	1/4 "
VBP1-003	3/8 "
VBP1-004	1/2 "
VBP1-006	3/4 "
VBP1-008	1 "

**VBCF**



Model	Size
VBCF-0101A	1/8 " X1/8 "
VBCF-0202A	1/4 " X1/4 "
VBCF-0303A	3/8 " X3/8 "
VBCF-0404A	1/2 " X1/2 "
VBCF-0505A	3/4 " X3/4 "

**VBLFM1**



Model	Size
VBLFM1-0101	1/8 " X1/8 "
VBLFM1-0102	1/8 " X1/4 "
VBLFM1-0201	1/4 " X1/8 "
VBLFM1-0202	1/4 " X1/4 "
VBLFM1-0301	3/8 " X1/8 "
VBLFM1-0302	3/8 " X1/4 "
VBLFM1-0303	3/8 " X3/8 "
VBLFM1-0404	1/2 " X1/2 "

Note:  
 1. BSPT and PT are the conventional screw thread  
 2. Other threads can also be produced

**VBTFM**



Model	Size
VBTFM2-0101	1/8 "
VBTFM2-0202	1/4 "
VBTFM2-0303	3/8 "

**VBTF**



Model	Size
VBTF-001	1/8 "
VBTF-002	1/4 "
VBTF-003	3/8 "
VBTF-004	1/2 "