IS09001 CE
PNEUMATIC®

VPC Series Angle Valve(Full Stainless Steel)





Ordering Code VPC Series Angle Valve(Full Stainless Steel)

VPC — 10 — 40 — A — □ — □ — SI

- VPC: Type Code — VPC Series Angle Valve
- 10: Joint Size — 10:3/8″ 15:1/2″ 20:3/4″ 25:1″ 35:1-1/4″ 40:1-1/2″ 50:2″ 65:2-1/2″ 80:3″ 100:4″
- 40: Actuator Size

Orifice	Actuator	Orifice	Actuator
DN10	40. 50	DN40	63. 90
DN15	40. 50	DN50	63. 90
DN20	50. 63. 90	DN65	90. 125
DN25	50. 63. 90	DN80	125
DN32	63. 90	DN100	125

- A: Type — A:Single Acting Normal Close; B:Single Acting Normal Open; C:Double Acting Normal Close; D:Double Acting Free Installation
- □: Mounting Type — Blank:Female Thread Type; F:With Flange Type; Q:Fast Installation Type
- □: Type of Stem — 0: Standard stem with hole; 1: Midi stem with hole; 2: Mini stem without hole
- SI: Valve Body — S1:SS316; S2:SS304

Specifications

Model	VPC10~50A/B/C/D
Joint Size	DN10~DN100
Thread	G3/8″~G4″
Body Material	CF8M
Actuator Material	CF8
Armature Seal	PTFE
Pision Seal	PTFE/FKM
Control Pressure	0.3~1.0Mpa

Model	VPC10~50A/B/C/D
Working Temp.	PTFE:-10℃~180℃
Ambient Temp.	-10℃~60℃
Medium Viscosity	≤600mm²/s
Installation	Arbitrary Position
Control Medium	Air,Neutral Gas
Working Medium	Water,Neutral Gas or Liquid,Alcohol,Oil, Organic Solvent,Water Vapor,Weak Acid or Weak Base Solution

Single Acting Normal Close/Normal Open

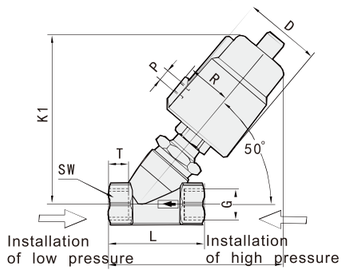
Model	Joint Size	Orifice (mm)	Actuator (mm)	Kv Value	Working Pressure (Mpa)	Normal Close (Mpa)		Normal Open (Mpa)		Model Code	
						Pressure Differential	Control Pressure	Pressure Differential	Control Pressure	Single Close	Single Open
DN10	G3/8″	13	40	4.7	1.6	0~1.6	≥0.4	-	-	VPC10-40A	VPC10-40B
DN10	G3/8″	13	50	4.7		0~1.6	≥0.3	0~1.6	0.3	VPC10-50A	VPC10-50B
DN15	G1/2″	13	40	4.7		0~1.6	≥0.4	-	-	VPC15-40A	VPC15-40B
DN15	G1/2″	13	50	4.7		0~1.6	≥0.3	0~1.6	0.3	VPC15-50A	VPC15-50B
DN20	G3/4″	18	50	9.5		0~1.6	0.3~0.4	0~1.6	0.3	VPC20-50A	VPC20-50B
DN20	G3/4″	18	63	9.5		0~1.6	0.3~0.4	0~1.6	0.3	VPC20-63A	VPC20-63B
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	-	-	VPC25-50A	VPC25-50B
DN25	G1″	24	63	18.1		0~1.6	0.3~0.35	0~1.6	0.35	VPC25-63A	VPC25-63B
DN32	G1-1/4″	31	63	23.1		0~1.6	0.3~0.5	0~1.4	0.39	VPC32-63A	VPC32-63B
DN40	G1-1/2″	35	63	32.9		0~1.6	0.3~0.6	0~1.1	0.39	VPC40-63A	VPC40-63B
DN50	G2″	45	63	52.8		0~1.0	0.3~0.65	0~0.6	0.39	VPC50-63A	VPC50-63B
DN50	G2″	45	80	52.8		0~1.6	0.3~0.65	0~1.2	0.4	VPC50-80A	VPC50-80B
DN65	G2-1/2″	61	80	90		0~1.6	0.3~0.65	0~1.2	0.4	VPC65-80A	VPC65-80B
DN80	G3″	80	100	135		0~1.0	0.35~0.6	0~0.6	0.39	VPC80-100A	VPC80-100B

Double Acting Normal Close/Normal Open

Model	Joint Size	Orifice (mm)	Actuator (mm)	Kv Value	Working Pressure (Mpa)	Pressure Differential (Mpa)	Normal Close (Mpa)		Model Code	
							Double Acting	Double Acting Free State	Double Acting N.C	Double Acting Free State
DN10	G3/8″	13	40	4.7	1.6	0~1.6	≥0.4	0~0.2	VPC10-40C	VPC10-40D
DN10	G3/8″	13	50	4.7		0~1.6	≥0.3	0~0.1	VPC10-50C	VPC10-50D
DN15	G1/2″	13	40	4.7		0~1.6	≥0.4	0~0.2	VPC15-40C	VPC15-40D
DN15	G1/2″	13	50	4.7		0~1.6	≥0.3	0~0.1	VPC15-50C	VPC15-50D
DN20	G3/4″	18	50	9.5		0~1.6	0.3~0.4	0~0.2	VPC20-50C	VPC20-50D
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	0~0.35	VPC25-50C	VPC25-50D
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	0~0.35	VPC25-50C	VPC25-50D
DN25	G1″	24	63	18.1		0~1.6	0.3~0.35	0~0.2	VPC25-63C	VPC25-63D
DN32	G1-1/4″	31	63	23.1		0~1.6	0.3~0.5	0~0.4	VPC32-63C	VPC32-63D
DN40	G1-1/2″	35	63	32.9		0~1.6	0.3~0.6	0~0.5	VPC40-63C	VPC40-63D
DN50	G2″	45	63	52.8		0~1.0	0.3~0.65	0~0.8	VPC50-63C	VPC50-63D
DN50	G2″	45	80	52.8		0~1.6	0.3~0.65	0~0.5	VPC50-80C	VPC50-80D
DN65	G2-1/2″	61	80	90		0~1.0	0.3~0.65	0~0.8	VPC63-80C	VPC63-80D
DN80	G3″	80	100	135		0~1.6	0.3~0.65	0~0.5	VPC80-100C	VPC80-100D

Main Dimension

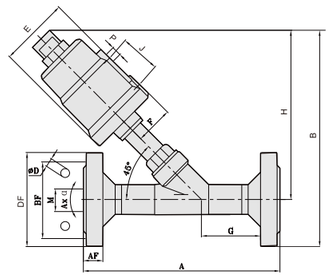
Female Thread Type



Thread Connection Mode

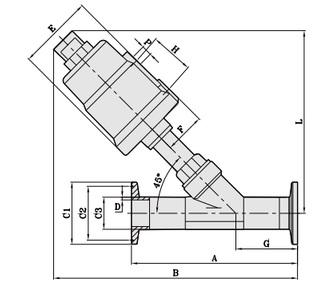
Model	Actuator (mm)	D (mm)	R (mm)	P	Thread (mm)					
					G	K1	A1	L	T	SW
DN10	40	45.5	27	G1/8″	G3/8″	115	120	68	12	26.6
DN10	50	60	35	G1/8″	G3/8″	126	133	68	12	26.6
DN15	40	45.5	27	G1/8″	G1/2″	115	120	68	15	26.6
DN15	50	60	35	G1/8″	G1/2″	126	133	68	15	26.6
DN20	50	60	35	G1/8″	G3/4″	131	137	75	16	32
DN25	50	60	35	G1/8″	G1″	140	149	90	17	39.5
DN25	63	77	43	G1/8″	G1″	165	174	90	17	39.5
DN32	63	77	43	G1/8″	G1-1/4″	175	188	116	21	50
DN32	80	98	52	G1/4″	G1-1/4″	185	203	116	21	50
DN40	63	77	43	G1/8″	G1-1/2″	178	190	116	21	55.3
DN40	80	98	52	G1/4″	G1-1/2″	187	204	116	21	55.3
DN50	63	77	43	G1/8″	G2″	184	203	138	22	70
DN50	80	98	52	G1/4″	G2″	195	218	138	22	70
DN50	100	121	63	G1/4″	G2″	215	230	138	22	70

With Flange Type



Model	Joint Size	Actuator (mm)	A	B	D	E	F	G	H	J	M	P	AF	BF	DF
DN15	1/2″	50	130	190	14	56	35	24	142	38	15	G1/8	15	65	95
DN20	3/4″	50	130	203	14	56	35	25	152	38	18	G1/8	15	75	102
DN25	1″	50	140	215	14	56	35	30	155	38	25	G1/8	15	85	114
DN25	1″	63	140	235	14	70	43	30	176	44	25	G1/8	15	85	114
DN32	1-1/4″	63	150	245	18	70	43	30	177	44	30	G1/8	17	100	133
DN40	1-1/2″	63	180	245	18	70	43	45	182	44	36	G1/8	17	110	143
DN50	2″	63	195	274	18	70	43	50	196	44	47	G1/8	17	125	158
DN50	2″	80/90	195	295	18	94	56	50	206	67	47	G1/4	17	125	158
DN65	2-1/2″	80/90	230	305	18	94	56	55	215	67	68	G1/4	18	145	180
DN80	3″	125	240	395	18	135	73	70	295	67	80	G1/4	20	160	194
DN80	4″	125	265	445	18	135	73	90	332	67	100	G1/4	20	180	215

Fast Installation Type



Model	Joint Size	Actuator (mm)	A	B	C1	C2	C3	D	E	F	G	L	H	P
DN15	1/2″	50	133	202	50.5	43.5	20.5	2	56	35	49	142	38	G1/8
DN20	3/4″	50	143	209	50.5	43.5	25.5	2.4	56	35	56.5	152	38	G1/8
DN25	1″	50	143	227	50.5	43.5	31.3	2.4	56	35	58	155	38	G1/8
DN25	1″	63	143	227	50.5	43.5	31.3	2.4	70	43	58	176	44	G1/8
DN32	1-1/4″	63	153	242	50.5	43.5	38.3	2.4	70	43	57.5	177	44	G1/8
DN40	1-1/2″	63	182	245	64	56.5	47.2	2.6	70	43	69	182	44	G1/8
DN50	2″	63	200	269	64	56.5	55.5	2.6	70	43	77.5	196	44	G1/8
DN50	2″	80/90	200	289	64	56.5	55.5	2.6	94	56	77.5	206	67	G1/4
DN65	2-1/2″	80/90	232	320	91	83.5	68	2.6	94	56	90	215	67	G1/4