IS09001 CE
PNEUMATIC®

VPCP Series Angle Valve(Plastic Actuator)





Ordering Code VPCP Series Angle Valve(Plastic Actuator)

VPCP — Type Code: VPCP 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	VPCP10~50A/B/C/D
Joint Size	DN10~DN100
Thread	G3/8″~G4″
Body Material	SS316/SS304
Actuator Material	Engineering Plastics
Armature Seal	PTFE/FPM
Pision Rod Seal	PTFE/FPM
Pision Seal	NBR/FPM
Control Pressure	0.3~1.0Mpa

Model	VPCP10~50A/B/C/D
Working Temp.	PTFE:-10℃~180℃ FPM:-10℃~100℃
Ambient Temp.	-10℃~60℃
Medium Viscosity	≤600mm²/s
Installation	Arbitrary Position
Control Medium	Air,Neutral Gas
Working Pressure	0~1. 6Mpa
Working Medium	Water,Neutral Gas or Liquid,Alcohol,Oil, Organic Solvent,Water Vapor,Weak Acid or Weak Base Solution

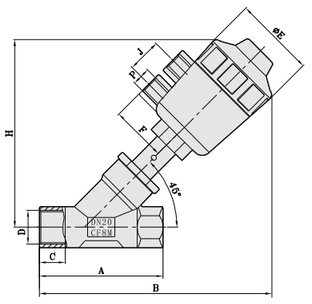
Single Acting Normal Close/Normal Open

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	-	-	VPCP10-40A	VPCP10-40B
DN10	G3/8″	13	50	4.7		0~1.6	≥0.3	0~1.6	0.3	VPCP10-50A	VPCP10-50B
DN15	G1/2″	13	40	4.7		0~1.6	≥0.4	-	-	VPCP15-40A	VPCP15-40B
DN15	G1/2″	13	50	4.7		0~1.6	≥0.3	0~1.6	0.3	VPCP15-50A	VPCP15-50B
DN20	G3/4″	18	50	9.5		0~1.6	0.3~0.4	0~1.6	0.3	VPCP20-50A	VPCP20-50B
DN20	G3/4″	18	63	9.5		0~1.6	0.3~0.4	0~1.6	0.3	VPCP20-63A	VPCP20-63B
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	-	-	VPCP25-50A	VPCP25-50B
DN25	G1″	24	63	18.1		0~1.6	0.3~0.35	0~1.6	0.35	VPCP25-63A	VPCP25-63B
DN32	G1-1/4″	31	63	23.1		0~1.6	0.3~0.5	0~1.4	0.39	VPCP32-63A	VPCP32-63B
DN40	G1-1/2″	35	63	32.9		0~1.6	0.3~0.6	0~1.1	0.39	VPCP40-63A	VPCP40-63B
DN50	G2″	45	63	52.8		0~1.0	0.3~0.65	0~0.6	0.39	VPCP50-63A	VPCP50-63B
DN50	G2″	45	80	52.8		0~1.6	0.3~0.65	0~1.2	0.4	VPCP50-80A	VPCP50-80B
DN65	G2-1/2″	61	80	90		0~1.6	0.3~0.65	0~1.2	0.4	VPCP65-80A	VPCP65-80B
DN80	G3″	80	100	135		0~1.0	0.35~0.6	0~0.6	0.39	VPCP80-100A	VPCP80-100B

Double Acting Normal Close/Normal Open

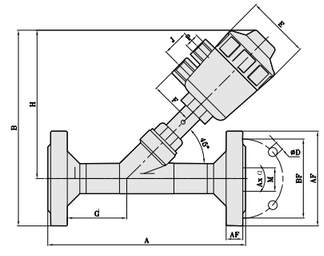
Model	Joint Size	Orifice (mm)	Actuator (mm)	Kv Value	Working Pressure (Mpa)	Pressure Differential (Mpa)	Normal Close (Mpa)		Model Code	
							Double Acting N.C	Double Acting Free State	Double Acting N.C	Double Acting Free State
DN10	G3/8″	13	40	4.7	1.6	0~1.6	≥0.4	0~0.2	VPCP10-40C	VPCP10-40D
DN10	G3/8″	13	50	4.7		0~1.6	≥0.3	0~0.1	VPCP10-50C	VPCP10-50D
DN15	G1/2″	13	40	4.7		0~1.6	≥0.4	0~0.2	VPCP15-40C	VPCP15-40D
DN15	G1/2″	13	50	4.7		0~1.6	≥0.3	0~0.1	VPCP15-50C	VPCP15-50D
DN20	G3/4″	18	50	9.5		0~1.6	0.3~0.4	0~0.2	VPCP20-50C	VPCP20-50D
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	0~0.35	VPCP25-50C	VPCP25-50D
DN25	G1″	24	50	18.1		0~1.6	0.3~0.55	0~0.35	VPCP25-50C	VPCP25-50D
DN25	G1″	24	63	18.1		0~1.6	0.3~0.35	0~0.2	VPCP25-63C	VPCP25-63D
DN32	G1-1/4″	31	63	23.1		0~1.6	0.3~0.5	0~0.4	VPCP32-63C	VPCP32-63D
DN40	G1-1/2″	35	63	32.9		0~1.6	0.3~0.6	0~0.5	VPCP40-63C	VPCP40-63D
DN50	G2″	45	63	52.8		0~1.0	0.3~0.65	0~0.8	VPCP50-63C	VPCP50-63D
DN50	G2″	45	80	52.8		0~1.6	0.3~0.65	0~0.5	VPCP50-80C	VPCP50-80D
DN65	G2-1/2″	61	80	90		0~1.0	0.3~0.65	0~0.8	VPCP63-80C	VPCP63-80D
DN80	G3″	80	100	135		0~1.6	0.3~0.65	0~0.5	VPCP80-100C	VPCP80-100D

Main Dimension



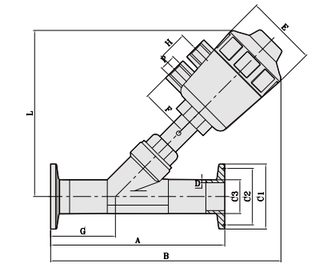
With Flange Type

Model	Actuator (mm)	Orifice (mm)	D	A (mm)	B (mm)	C (mm)	H (mm)	E (mm)	P	J (mm)	F (mm)
DN10	50	13	3/8″	85	170	14	138	64	G1/4″	24	44
DN15	50	13	½″	85	170	14	138	64	G1/4″	24	44
DN20	50	20	3/4″	95	179	17	145	64	G1/4″	24	44
DN20	63	20	3/4″	95	206	17	170	79.5	G1/4″	24	44
DN25	63	25	1″	105	211	19.5	173	79.5	G1/4″	24	54
DN25	80	25	1″	105	234	19.5	195	101	G1/4″	24	54
DN32	80	32	1-1/4″	120	255	16	210	101	G1/4″	24	54
DN32	100	32	1-1/4″	120	297	16	256	125	G1/4″	24	54
DN40	80	40	1-1/2″	130	250	18	213	101	G1/4″	24	54
DN40	100	40	1-1/2″	130	301	18	260	125	G1/4″	30	54
DN50	80	50	2″	150	270	20	225	101	G1/4″	24	62
DN50	100	50	2″	150	316	20	271	125	G1/4″	30	62
DN65	80	65	2-1/2″	185	296	22	239	101	G1/4″	24	62
DN65	100	65	2-1/2″	185	344	22	287	125	G1/4″	30	62



Fast Installation Type

Model	Joint Size	Actuator (mm)	A	B	D	E	F	G	H	J	M	P	AF	BF	DF
DN15	1/2″	50	130	165	14	64	44	24	115	24	15	G1/4	15	65	95
DN20	3/4″	50	130	185	14	64	44	25	131	24	18	G1/4	15	75	102
DN25	1″	50	140	195	14	64	44	30	138	24	25	G1/4	15	85	114
DN25	1″	63	140	225	14	79.5	54	30	166	24	25	G1/4	15	85	114
DN32	1-1/4″	63	150	240	18	79.5	54	30	172	24	30	G1/4	17	100	133
DN40	1-1/2″	63	180	245	18	79.5	54	45	174	24	36	G1/4	17	110	143
DN50	2″	63	195	275	18	79.5	54	50	193	24	47	G1/4	17	125	158
DN50	2″	80	195	285	18	101	62	50	202	24	47	G1/4	17	125	158
DN65	2-1/2″	80	230	300	18	101	62	55	209	24	68	G1/4	18	145	180
DN80	3″	100	240	365	18	125	71	70	268	30	80	G1/4	20	160	194
DN80	4″	125	265	420	18	158	93	90	314	30	100	G1/4	20	180	215



Model	Joint Size	Actuator (mm)	A	B	C1	C2	C3	D	E	F	G	L	H	P
DN15	1/2″	50	133	188	50.5	43.5	20.5	2	64	44	49	115	24	G1/4
DN20	3/4″	50	143	195	50.5	43.5	25.5	2.4	64	44	56.5	131	24	G1/4
DN25	1″	50	143	206	50.5	43.5	31.3	2.4	64	44	58	138	24	G1/4
DN25	1″	63	143	238	50.5	43.5	31.3	2.4	79.5	54	58	166	24	G1/4
DN32	1-1/4″	63	153	248	50.5	43.5	38.3	2.4	79.5	54	57.5	172	24	G1/4
DN40	1-1/2″	63	182	252	64	56.5	47.2	2.6	79.5	54	69	174	24	G1/4
DN50	2″	63	200	272	64	56.5	55.5	2.6	79.5	54	77.5	193	24	G1/4
DN50	2″	80	200	283	64	56.5	55.5	2.6	101	62	77.5	202	24	G1/4
DN65	2-1/2″	80	232	310	91	83.5	68	2.6	101	62	90	209	24	G1/4