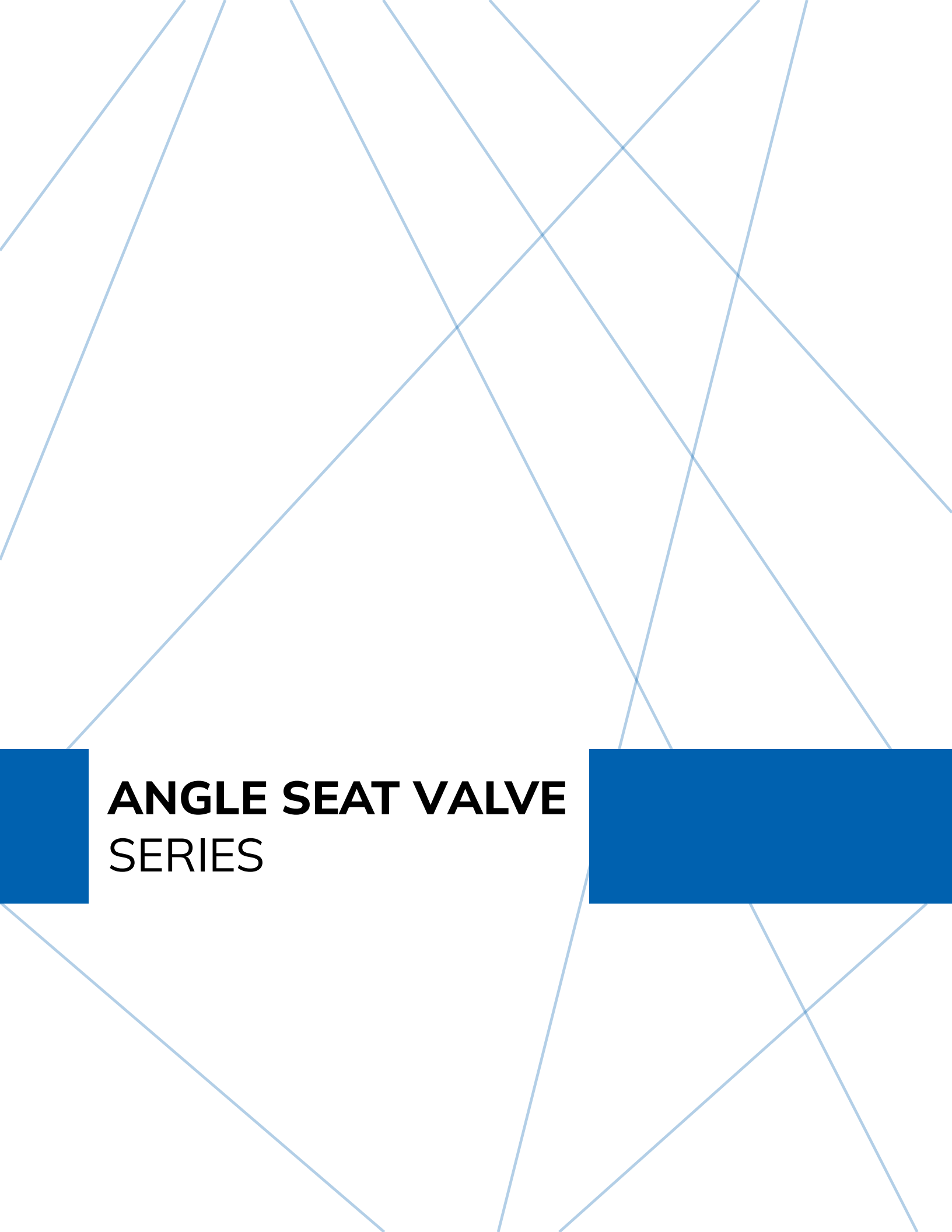
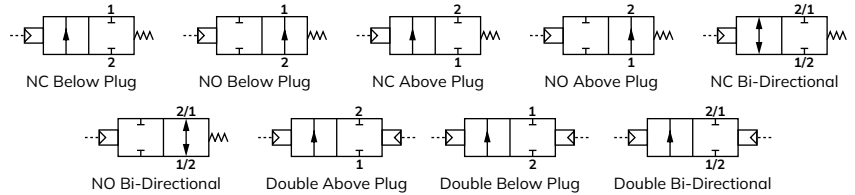




ANGLE SEAT VALVE SERIES



Angle seat valves are 2/2 way pneumatically actuated piston valves. The piston actuator provides a linear motion to lift the seal off its seat. Because the seat is positioned under an angle, the flow is minimally impeded in the open position, resulting in an excellent flow rate and a low pressure loss. They are used to regulate the flow of liquids, gases, steam, vacuum and even aggressive fluids. They can also operate with high temperatures and high viscosity media, even under zero differential pressures. The robust design makes UFLOW angle seat valves a popular choice for harsh applications and they have very high life cycle. Therefore they are an excellent alternative to Ball valves with actuator combo. These valves are also suitable alternatives for solenoid valves, especially with contaminated, viscous media where typical solenoid valves would fail. They may be operated using a single acting or double acting configuration, which has an influence on its pressure rating.



Specifications

Port :	Refer below technical data sheet (Available BSP / NPT)
End Connection :	Screwed / Flange / Tri-Clamp
Body & Sleeve Material :	SS ASTM A351 Grade CF8 / CF8M / CF3M
Seal :	TEFLON / PEEK / VITON
Shaft :	SS304 / SS316
Circumstance Temp :	-10°C to 70°C
Media Temp :	-10°C to 180°C

Features

- ✓ Convertible from single Acting to Double Acting.
- ✓ Multiple Function with the same operator - NC / NO / Bi-Directional.
- ✓ Rotatable Actuator- 360°.
- ✓ Transparent dome for visual confirmation of the valve's position/state
- ✓ Lubricated air not essential.
- ✓ Flow direction below or above the seat.
- ✓ Media: Steam, Air, Water, Chemical, Gases, Oil, Diesel, Hot Water.
- ✓ Application: Sterilizer, Ink and Paint dispensing, Industrial compressor bottling and dispensing equipment, textile dying and drying and pharmaceutical.

Section View



Actuator Type

Cover :	Nylon Glass-Filled (Corrosion resistive) with SS Liner
Seal :	NBR / VITON
Working Pressure :	Refer Below Pressure Chart Table
Life :	Three Million Cycle Tested
Other Technical Data :	Available on Request

Dimension With Screwed End (All dimensions in mm)

All Dimensions are approx.

Model No.	Actuator	Port Size	Diagram No.	A	B	C	D	E	F	G	H	I
ACP2054BNV0	40	½"	28.1	65	144	131	154	65	24	G¾"	32	M5
ACP2055BNV0	50	½"	28.1	65	153	141	163	70	24	G¾"	32	M5
ACP2056BNV0	63	½"	28.1	65	171	158	181	85	24	G¾"	32	M5
ACP3054BNV0	40	¾"	28.1	77	150	134	161	65	24	G¾"	32	M5
ACP3055BNV0	50	¾"	28.1	77	160	144	171	70	24	G¾"	32	M5
ACP3056BNV0	63	¾"	28.1	77	177	161	187	85	24	G¾"	32	M5
ACP4055BNV0	50	1"	28.1	89	177	157	185	70	24	G¾"	32	M5
ACP4056BNV0	63	1"	28.1	89	194	174	202	85	24	G¾"	32	M5
ACP4059BNV0	90	1"	28.1	89	221	201	229	126	24	G¾"	32	M5
ACP5056BNV0	63	1¼"	28.1	110	199	175	209	85	24	G¾"	32	M5
ACP5059BNV0	90	1¼"	28.1	110	233	209	244	126	24	G¾"	32	M5
ACP6056BNV0	63	1½"	28.1	124	212	184	220	85	24	G¾"	32	M5
ACP6059BNV0	90	1½"	28.1	124	239	212	247	126	24	G¾"	32	M5
ACP8059BNV0	90	2"	28.1	150	260	227	269	126	24	G¾"	32	M5
ACP9039BNV0	90	2½"	28.1	168	281	239	262	126	24	G¾"	32	M5

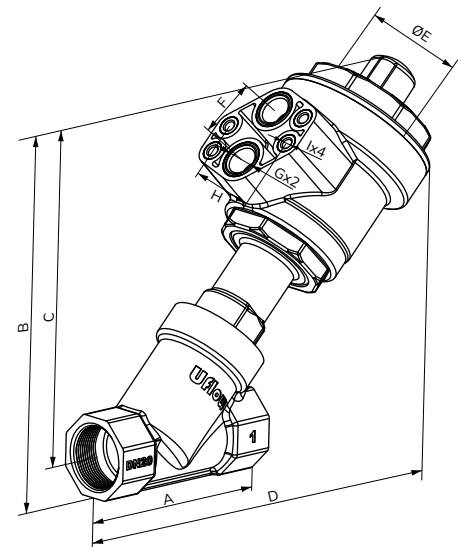


Diagram No. 28.1

Dimension With Flange (ASME 16.5 #150) (All dimensions in mm)

All Dimensions are approx.

Model No.	Actuator	Port Size	Diagram No.	A	B	C	D	E	F	G	H	I	J	K	L	M	NXO
ACP2054FNV0	40	½"	28.2	163	176	131	165	65	24	G¾"	32	M5	8	90	38	60	16X4
ACP2055FNV0	50	½"	28.2	163	186	141	175	70	24	G¾"	32	M5	8	90	38	60	16X4
ACP2056FNV0	63	½"	28.2	163	203	158	192	85	24	G¾"	32	M5	8	90	38	60	16X4
ACP3054FNV0	40	¾"	28.2	172	184	134	171	65	24	G¾"	32	M5	9	100	46	70	16X4
ACP3055FNV0	50	¾"	28.2	172	194	144	181	70	24	G¾"	32	M5	9	100	46	70	16X4
ACP3056FNV0	63	¾"	28.2	172	211	161	198	85	24	G¾"	32	M5	9	100	46	70	16X4
ACP4055FNV0	50	1"	28.2	181	212	157	196	70	24	G¾"	32	M5	10	110	54	79	16X4
ACP4056FNV0	63	1"	28.2	181	229	174	208	85	24	G¾"	32	M5	10	110	54	79	16X4
ACP4059FNV0	90	1"	28.2	181	256	201	240	126	24	G¾"	32	M5	10	110	54	79	16X4
ACP5056FNV0	63	1¼"	28.2	182	239	182	234	85	24	G¾"	32	M5	13	115	64	M5	M5
ACP5059FNV0	90	1¼"	28.2	182	267	209	262	126	24	G¾"	32	M5	13	115	64	M5	M5
ACP6056FNV0	63	1½"	28.2	212	247	184	242	85	24	G¾"	32	M5	13	125	76	98	16X4
ACP6059FNV0	90	1½"	28.2	212	274	212	269	126	24	G¾"	32	M5	13	125	76	98	16X4
ACP8059FNV0	90	2"	28.2	208	302	226	275	126	24	G¾"	32	M5	14	150	94	121	16X4
ACP9039FNV0	90	2½"	28.2	231	329	239	294	126	24	G¾"	32	M5	13	180	106	140	16X4

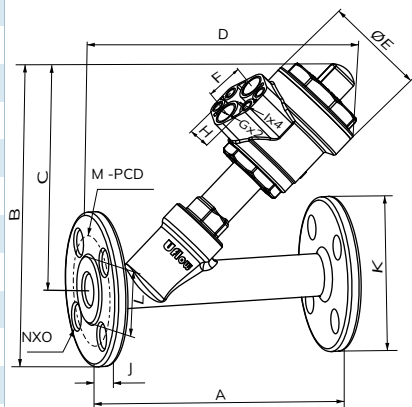


Diagram No. 28.2

Dimension With Tri-Clamp (All dimensions in mm)

All Dimensions are approx.

Model No.	Actuator	Port Size	Diagram No.	A	B	C	D	E	F	G	H	I
ACP2054TNV0	40	½"	28.3	163	176	131	165	65	24	G¾"	32	M5
ACP2055TNV0	50	½"	28.3	163	186	141	175	70	24	G¾"	32	M5
ACP2056TNV0	63	½"	28.3	163	203	158	192	85	24	G¾"	32	M5
ACP3054TNV0	40	¾"	28.3	172	184	134	171	65	24	G¾"	32	M5
ACP3055TNV0	50	¾"	28.3	172	194	144	181	70	24	G¾"	32	M5
ACP3056TNV0	63	¾"	28.3	172	211	161	198	85	24	G¾"	32	M5
ACP4055TNV0	50	1"	28.3	181	212	157	196	70	24	G¾"	32	M5
ACP4056TNV0	63	1"	28.3	181	229	174	208	85	24	G¾"	32	M5
ACP4059TNV0	90	1"	28.3	181	256	201	240	126	24	G¾"	32	M5
ACP5056TNV0	63	1¼"	28.3	182	239	182	234	85	24	G¾"	32	M5
ACP5059TNV0	90	1¼"	28.3	182	267	209	262	126	24	G¾"	32	M5
ACP6056TNV0	63	1½"	28.3	212	247	184	242	85	24	G¾"	32	M5
ACP6059TNV0	90	1½"	28.3	212	274	212	269	126	24	G¾"	32	M5
ACP8059TNV0	90	2"	28.3	208	302	226	275	126	24	G¾"	32	M5
ACP9039TNV0	90	2½"	28.3	231	329	239	294	126	24	G¾"	32	M5

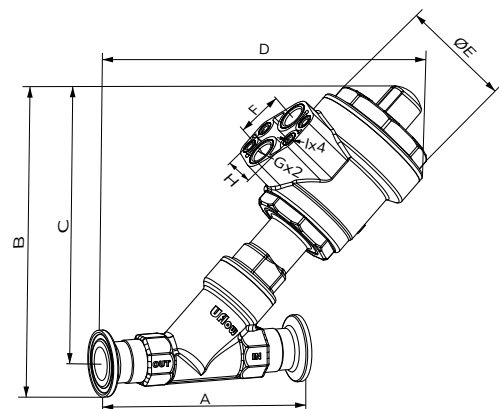


Diagram No. 28.3

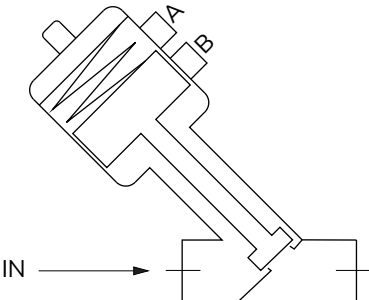
Technical Data

Pipe (Inch)	Body Material	Orifice (mm)	Seal & 'O' Ring Material	Flow Factor Kv m³ / hr
½"	CF8 / CF8M	15	PTFE / PEEK / VITON	6
¾"	CF8 / CF8M	20	PTFE / PEEK / VITON	10.9
1"	CF8 / CF8M	25	PTFE / PEEK / VITON	21
1¼"	CF8 / CF8M	32	PTFE / PEEK / VITON	35
1½"	CF8 / CF8M	40	PTFE / PEEK / VITON	49
2"	CF8 / CF8M	50	PTFE / PEEK / VITON	68
2½"	CF8 / CF8M	65	PTFE / PEEK / VITON	120

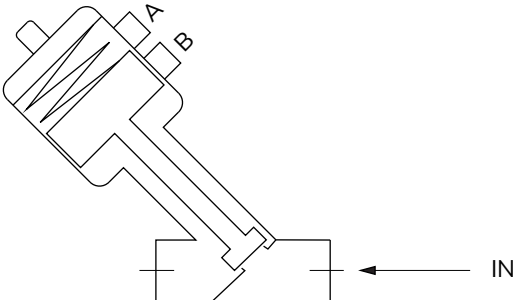
Pressure Chart

Pipe (Inch)	Actuator	NC				NO				Double Acting			
		Above Plug		Below Plug		Above Plug		Below Plug		Above Plug		Below Plug	
		Pilot Pressure	Line Pressure	Pilot Pressure	Line Pressure	Pilot Pressure	Line Pressure	Pilot Pressure	Line Pressure	Pilot Pressure	Line Pressure	Pilot Pressure	Line Pressure
1/2"	40	4	16	-	-	6	16	-	-	4.5	20	4	16
		4.5	20	-	-	6	18	-	-	3	16	4.5	20
3/4"	40	5.2	16	-	-	-	-	-	-	3.8	16	4.5	16
		6.2	19	-	-	-	-	-	-	5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
3/4"	50	4.5	16	-	-	4	13	6.5	12	3.5	16	5	16
		5.5	20	-	-	-	-	-	-	4.5	20	5.5	20
		-	-	-	-	-	-	-	-	-	-	-	-
1"	63	5	16	-	-	4.5	15	7	8	3.5	16	4.5	16
		5.8	20	-	-	-	-	-	-	4.5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
1 1/4"	63	6	16	-	-	4.5	13	-	-	5	16	6	16
		6.5	20	-	-	-	-	-	-	6	20	6.5	20
1 1/2"	63	7	12	-	-	-	-	7	9	5	10	-	-
		-	-	-	-	4.5	8	-	-	7	16	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	90	4.5	16	-	-	4.5	10	7	9	4.5	16	4	16
		5	20	-	-	-	-	-	-	5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
2"	90	6.5	16	-	-	6	16	7	10	5	16	7	18
		7	19	-	-	-	-	-	-	6.2	20	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
2 1/2"	90	7	10.5	-	-	-	-	-	-	-	-	-	-
		5	7	-	-	-	-	-	-	-	-	-	-

Pressure Above Plug



Pressure Below Plug



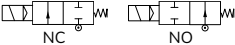
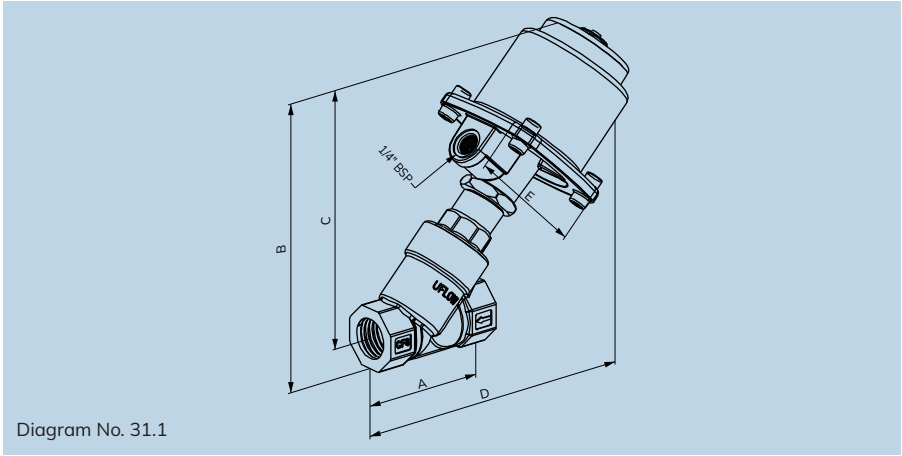
	A	B
Normally Open	Pilot Inlet	Exhaust
Normally Close	Exhaust	Pilot Inlet

ANGLE SEAT VALVE WITH PLASTIC ACTUATOR OPERATED MODEL IDENTIFICATION CHART

A C P 2 03 5 B Z - V0																	
PRODUCT TYPE		SEAL MATERIAL		PORT SIZE		PRESSURE RANGE		ACTUATOR SIZE		PORT CONNECTION		VALVE POSITION		CONFIGURATION		VERSION	
A	ANGLE SEAT VALVE	P	PTFE	2	½"	02	0 - 2 Bar	4	40 NAMUR	B	BSP	N	NC Above	BLANK	REGULAR	V0	VERSION 0
		K	PEEK	3	¾"	14	0 - 3 Bar	5	50 NAMUR	N	NPT	Z	NO Above	C1	CONFIG 1	V1	VERSION 1
				4	1"	03	0 - 7 Bar	6	63 NAMUR	F	FLANGE END	D	Double Above	C2	CONFIG 2	V2	VERSION 2
				5	1¼"	05	0 - 16 Bar	9	90 NAMUR	T	TRICLOVER END	C	NC Below	C3	CONFIG 3	V3	VERSION 3
				6	1½"	11	0 - 25 Bar	1	100 NAMUR	P	BSPT	O	NO Below		⋮		⋮
			8	2"	04	0 - 10 Bar					B	Double Below	C9	CONFIG 9	V9	VERSION 9	
											R	Bi-Directional NC	CA	CONFIG 10	VA	VERSION 10	
											L	Bi-Directional NO	CB	CONFIG 11	VB	VERSION 11	
											I	Bi-Directional Double					
BODY MATERIAL																	
C	CF8																
M	CF8M																
3	CF3M																

ACP2035BZV0

1/2" ANGLE SEAT VALVE CF8-PTFE-0 TO 7 Bar-50 NAMUR-BSP-NO ABOVE



Specifications

Port :	Refer below technical data sheet (Available BSP / NPT)
End Connection :	Screwed / Flange / Tri-Clamp
Body Material :	SS ASTM A351 Grade CF8 / CF8M / CF3M
Seal :	TEFLON / VITON
Circumstance Temp :	-10°C to 70°C
Media Temp :	-10°C to 180°C
Media :	Steam, Air, Water, Chemical, Gases, Oil, Diesel, Hot Water

Dimension - NC (All dimensions in mm)

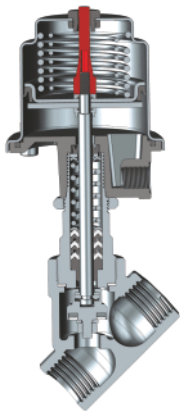
All Dimensions are approx.

Model No.	Port Size	Diagram No.	A	B	C	D	E
YCP205BNV0	½"	31.1	65	155	142	165	90
YCP305BNV0	¾"	31.1	77	161	145	171	90
YCP405BNV0	1"	31.1	89	182	162	190	90
YCP505BNV0	1¼"	31.1	110	198	174	209	90
YCP605BNV0	1½"	31.1	124	202	175	210	90
YCP803BNV0	2"	31.1	150	225	191	234	90

Actuator Type

Cover :	SS304
Plate :	Aluminium Die-Cast
Working Pressure :	3.5 to 7 bar air (Not Recommended actuator for pneumatic pressure above 7 bar)
Seal Material :	NBR / VITON
Life :	More than ten million cycle
Other Technical Data :	Available on Request

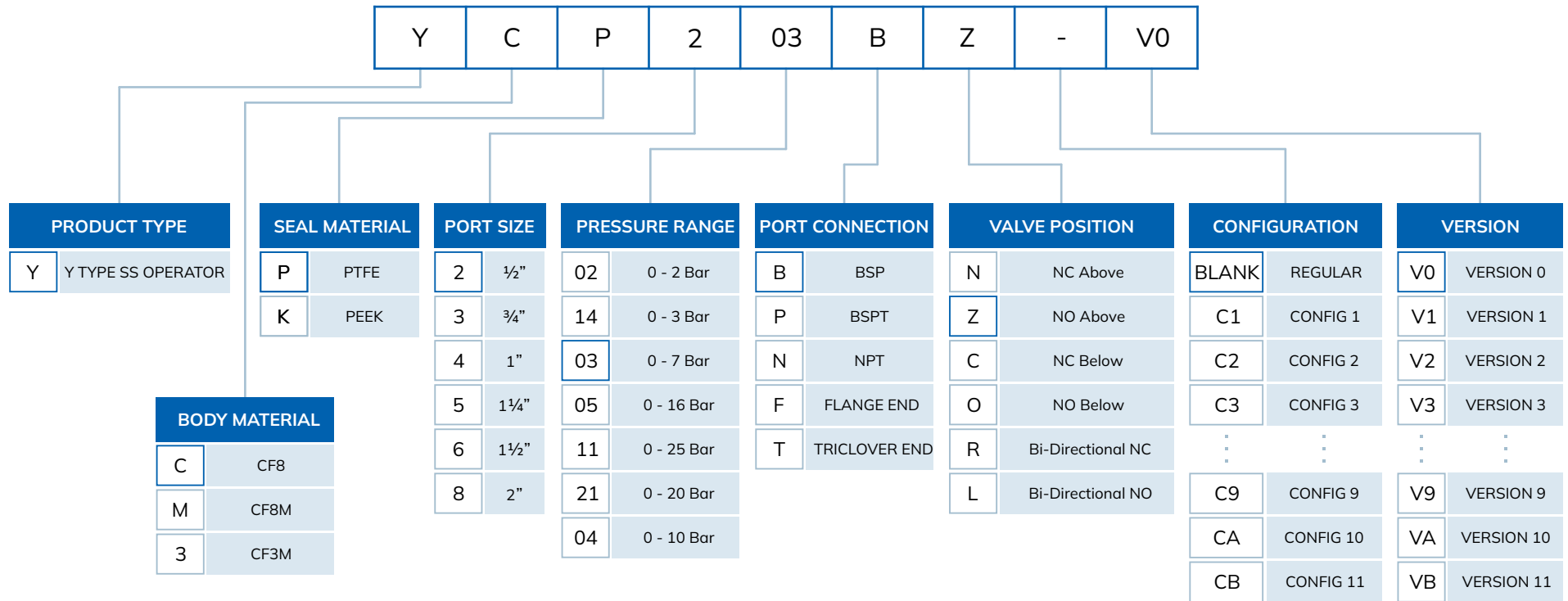
Section View



Technical Data

Model No.	Body Material	Pipe (Inch)	Orifice (mm)	Min. Operating Pressure Kg/cm²	Max. Operating Pressure Kg/cm²	Seal & 'O' Ring Material	Flow Factor Kv m³ / hr
YCP205BNV0	CF8 / CF8M	½"	15	0	16	PTFE / VITON /EPDM	6
YCP305BNV0	CF8 / CF8M	¾"	20	0	16	PTFE / VITON /EPDM	10.9
YCP405BNV0	CF8 / CF8M	1"	25	0	16	PTFE / VITON /EPDM	21
YCP505BNV0	CF8 / CF8M	1¼"	32	0	16	PTFE / VITON /EPDM	35
YCP605BNV0	CF8 / CF8M	1½"	40	0	16	PTFE / VITON /EPDM	49
YCP803BNV0	CF8 / CF8M	2"	50	0	07	PTFE / VITON /EPDM	68

ANGLE SEAT VALVE WITH STEEL ACTUATOR OPERATED MODEL IDENTIFICATION CHART



YCP203BZV0

1/2" Y TYPE OPERATOR CF8-PTFE-0 TO 7 Bar-BSP-NO ABOVE

Scribble Note....

A series of horizontal dashed lines for writing.

Our Clients



Global Presence...



Made In India



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📍 Uflow Automation, Ankur Industrial Complex, Sur vey No: 275/276, Plot No: 31, Nr. Intol Cast Pvt. Ltd. Shapar(Veraval) Dist.: Gujarat (India) - 360 024.