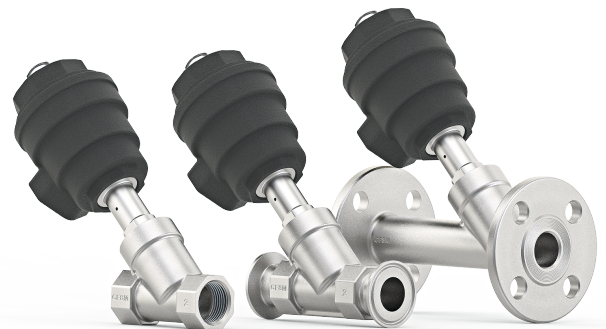


Automation  
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

Cylinder

One Touch Fitting

Ball Valve

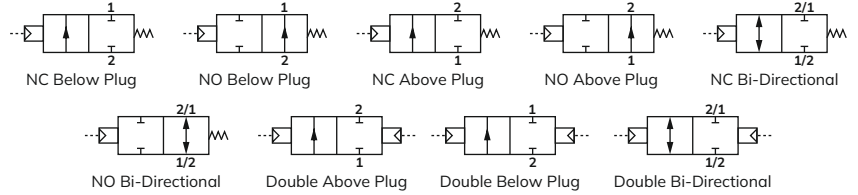
Butterfly Valve

Country of Origin - INDIA





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 :	1/2", 3/4", 1", 1 1/4", 1 1/2", 2" & 2 1/2" (Available in BSP / NPT)
End Connection :	Screwed / Flange / Tri-Clamp / Socket Weld
Body & Sleeve Material :	SS ASTM A351 Grade CF8 / CF8M / CF3M
Seal :	PTFE / PEEK / VITON
Shaft :	SS304 / SS316
Circumstance Temp :	-10°C to 70°C
Media Temp :	-10°C to 180°C
Other Specification Data:	Available on request - Adjust Stroke Limiter - Position Sensor

**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: Steam, Autoclave and 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
ACP2054BNV1	40	1/2"	28.1	65	144	131	154	65	24	G 1/4"	32	M5
ACP2055BNV1	50	1/2"	28.1	65	153	141	163	70	24	G 1/4"	32	M5
ACP2056BNV1	63	1/2"	28.1	65	171	158	181	85	24	G 1/4"	32	M5
ACP3054BNV1	40	3/4"	28.1	77	150	134	161	65	24	G 1/4"	32	M5
ACP3055BNV1	50	3/4"	28.1	77	160	144	171	70	24	G 1/4"	32	M5
ACP3056BNV1	63	3/4"	28.1	77	177	161	187	85	24	G 1/4"	32	M5
ACP4055BNV1	50	1"	28.1	89	177	157	185	70	24	G 1/4"	32	M5
ACP4056BNV1	63	1"	28.1	89	194	174	202	85	24	G 1/4"	32	M5
ACP4059BNV1	90	1"	28.1	89	221	201	229	126	24	G 1/4"	32	M5
ACP5056BNV1	63	1 1/4"	28.1	110	199	175	209	85	24	G 1/4"	32	M5
ACP5059BNV1	90	1 1/4"	28.1	110	225	201	236	126	24	G 1/4"	32	M5
ACP6059BNV1	90	1 1/2"	28.1	124	239	211	247	126	24	G 1/4"	32	M5
ACP8059BNV1	90	2"	28.1	150	260	227	269	126	24	G 1/4"	32	M5
ACP9039BNV1	90	2 1/2"	28.1	168	281	239	261	126	24	G 1/4"	32	M5

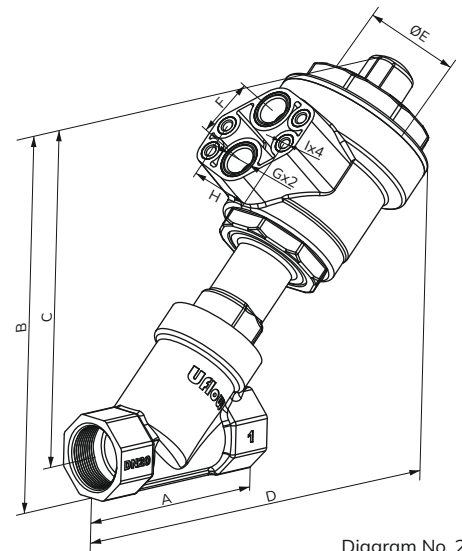
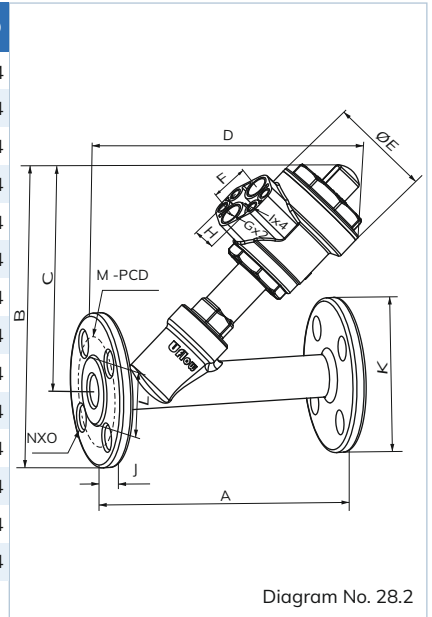


Diagram No. 28.1

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

All Dimensions are approx.

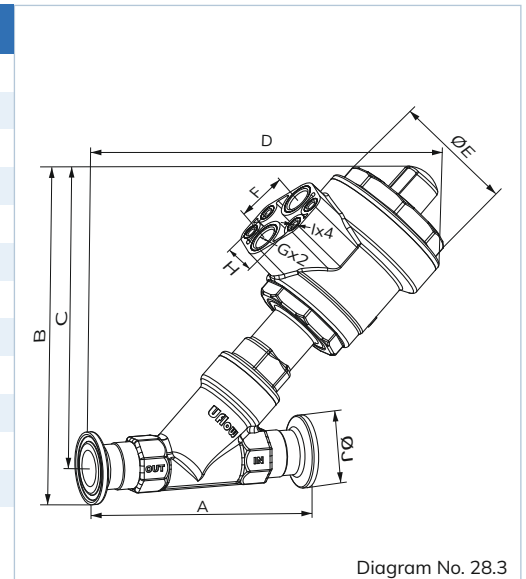
Model No.	Actuator	Port Size	Diagram No.	A	B	C	D	E	F	G	H	I	J	K	L	M	NXO
ACP2054FNV1	40	½"	28.2	163	176	131	165	65	24	G¼"	32	M5	8	90	35	60	16X4
ACP2055FNV1	50	½"	28.2	163	186	141	175	70	24	G¼"	32	M5	8	90	35	60	16X4
ACP2056FNV1	63	½"	28.2	163	203	158	192	85	24	G¼"	32	M5	8	90	35	60	16X4
ACP3054FNV1	40	¾"	28.2	172	184	134	171	65	24	G¼"	32	M5	9	100	43	70	16X4
ACP3055FNV1	50	¾"	28.2	172	194	144	181	70	24	G¼"	32	M5	9	100	43	70	16X4
ACP3056FNV1	63	¾"	28.2	172	211	161	198	85	24	G¼"	32	M5	9	100	43	70	16X4
ACP4055FNV1	50	1"	28.2	181	212	157	196	70	24	G¼"	32	M5	10	110	51	79	16X4
ACP4056FNV1	63	1"	28.2	181	229	174	208	85	24	G¼"	32	M5	10	110	51	79	16X4
ACP4059FNV1	90	1"	28.2	181	256	201	240	126	24	G¼"	32	M5	10	110	51	79	16X4
ACP5056FNV1	63	1¼"	28.2	182	233	175	227	85	24	G¼"	32	M5	11	115	64	89	17X4
ACP5059FNV1	90	1¼"	28.2	182	259	202	254	126	24	G¼"	32	M5	11	115	64	89	17X4
ACP6059FNV1	90	1½"	28.2	212	274	211	269	126	24	G¼"	32	M5	13	125	73	98	16X4
ACP8059FNV1	90	2"	28.2	208	302	226	275	126	24	G¼"	32	M5	14	150	91	121	19X4
ACP9039FNV1	90	2½"	28.2	231	329	239	294	126	24	G¼"	32	M5	13	180	106	140	20X4



**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	J
ACP2054TNV1	40	½"	28.3	109	148	131	176	65	24	G¼"	32	M5	34
ACP2055TNV1	50	½"	28.3	109	158	141	185	70	24	G¼"	32	M5	34
ACP2056TNV1	63	½"	28.3	109	175	158	203	85	24	G¼"	32	M5	34
ACP3054TNV1	40	¾"	28.3	115	160	134	180	65	24	G¼"	32	M5	50
ACP3055TNV1	50	¾"	28.3	115	169	144	190	70	24	G¼"	32	M5	50
ACP3056TNV1	63	¾"	28.3	115	186	161	207	85	24	G¼"	32	M5	50
ACP4055TNV1	50	1"	28.3	130	182	157	206	70	24	G¼"	32	M5	50
ACP4056TNV1	63	1"	28.3	130	199	173	222	85	24	G¼"	32	M5	50
ACP4059TNV1	90	1"	28.3	130	225	200	249	126	24	G¼"	32	M5	50
ACP5056TNV1	63	1¼"	28.3	145	200	175	227	85	24	G¼"	32	M5	50
ACP5059TNV1	90	1¼"	28.3	145	227	202	254	126	24	G¼"	32	M5	50
ACP6059TNV1	90	1½"	28.3	160	243	211	264	126	24	G¼"	32	M5	64
ACP8059TNV1	90	2"	28.3	190	258	226	288	126	24	G¼"	32	M5	64



**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

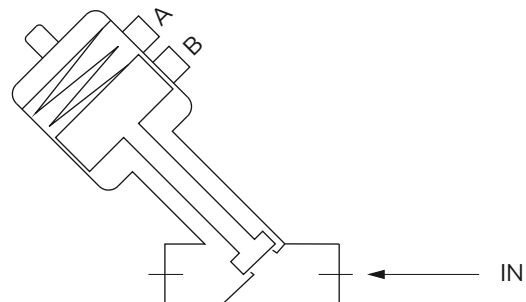
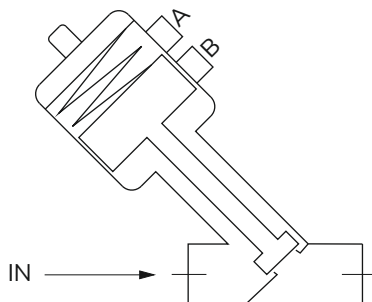
Pressure Chart

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
½"	40	4.5	16	-	-	4.5	16	-	-	4.5	20	4	16
		4.5	20	-	-	6	18	-	-	3	16	4.5	20
¾"	40	5.5	16	-	-	-	-	-	-	3.8	16	4.5	16
		6.2	19	-	-	-	-	-	-	5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
¾"	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	5.5	16	-	-	4.5	15	7	8	4.5	16	4.5	16
		4.5	20	-	-	-	-	-	-	4.5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
1¼"	63	6.5	16	-	-	4.5	13	-	-	3.5	16	6	16
		6.5	20	-	-	-	-	-	-	6	20	6.5	20
1½"	63	4.5	12	-	-	-	-	7	9	5	10	-	-
		-	-	-	-	4.5	8	-	-	7	16	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
1½"	90	4.5	16	-	-	4.5	10	7	9	4.7	16	4	16
		5	20	-	-	-	-	-	-	5	20	5	20
		-	-	-	-	-	-	-	-	-	-	-	-
2"	90	5.8	16	-	-	5	16	7	10	5.5	16	7	18
		7	19	-	-	-	-	-	-	6.2	20	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
2½"	90	7	10.5	-	-	-	-	-	-	-	-	-	-
		4.5	7	-	-	-	-	-	-	-	-	-	-

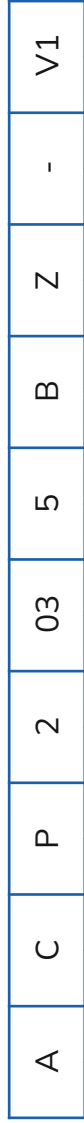
Pressure Above Plug

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



PRODUCT TYPE	SEAL MATERIAL	PORT SIZE	PRESSURE RANGE	ACTUATOR SIZE	PORT CONNECTION	VALVE POSITION	CONFIGURATION	VERSION
A	P	2	02	4	B	N	BLANK	V0
	K	3	14	5	N	Z	C1	V1
		4	03	6	F	D	C2	V2
		5	05	8	T	C	C3	V3
		6	11	9	P	O	∴	∴
		8	04		S	B	C9	V9
		9	21		G	R	CA	VA
			38			L	CB	VB
			13			I		
			32					

PRODUCT TYPE	SEAL MATERIAL	PORT SIZE	PRESSURE RANGE	ACTUATOR SIZE	PORT CONNECTION	VALVE POSITION	CONFIGURATION	VERSION
C	CF8							
M	CF8M							
3	CF3M							
E	CF8 PED							
H	CF8M PED							
T	CF3 PED							
U	CF3M PED							

**ACP2035BZV1**  
1/2" ANGLE SEAT VALVE PLASTIC OPERATOR CF8-PTFE-0 TO 7 Bar-50mm NAMUR-BSP-NO ABOVE-VERSION 1

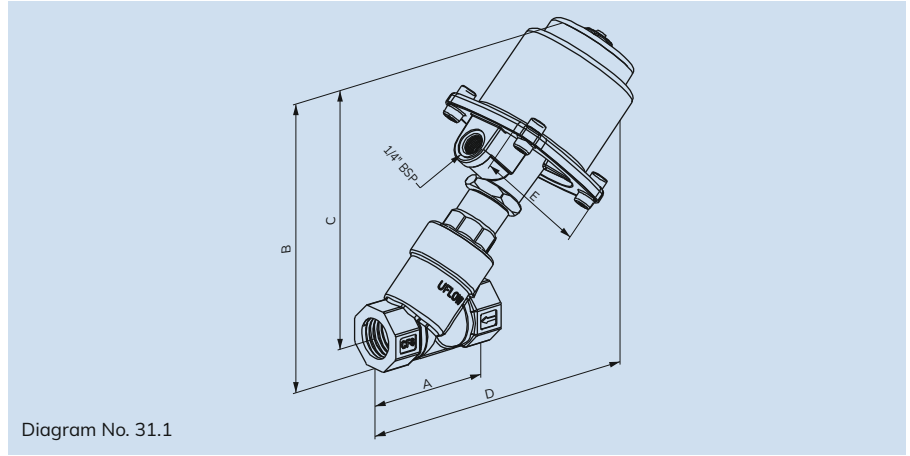
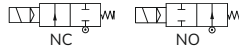


Diagram No. 31.1



### Specifications

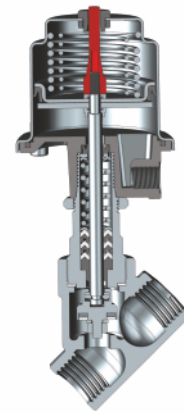
Port :	½", ¾", 1", 1¼", 1½" & 2" (Available in BSP/NPT)
End Connection :	Screwed / Flange / Tri-Clamp / Socket Weld
Body Material :	SS ASTM A351 Grade CF8 / CF8M / CF3M
Seal :	PTFE / VITON
Circumstance Temp :	-10°C to 70°C
Media Temp :	-10°C to 180°C
Media :	Steam, Air, Water, Chemical, Gases, Oil, Diesel, Hot Water
Other Specification Data:	Available on request - Adjust Stroke Limiter - Position Sensor

### Dimension - NC (All dimensions in mm)

All Dimensions are approx.

Model No.	Port Size	Diagram No.	A	B	C	D	E
YCP205BNV1	½"	31.1	65	155	142	165	90
YCP305BNV1	¾"	31.1	77	161	145	171	90
YCP405BNV1	1"	31.1	89	182	162	190	90
YCP505BNV1	1¼"	31.1	110	198	174	209	90
YCP605BNV1	1½"	31.1	124	202	175	210	90
YCP803BNV1	2"	31.1	150	225	191	234	90

### Section View



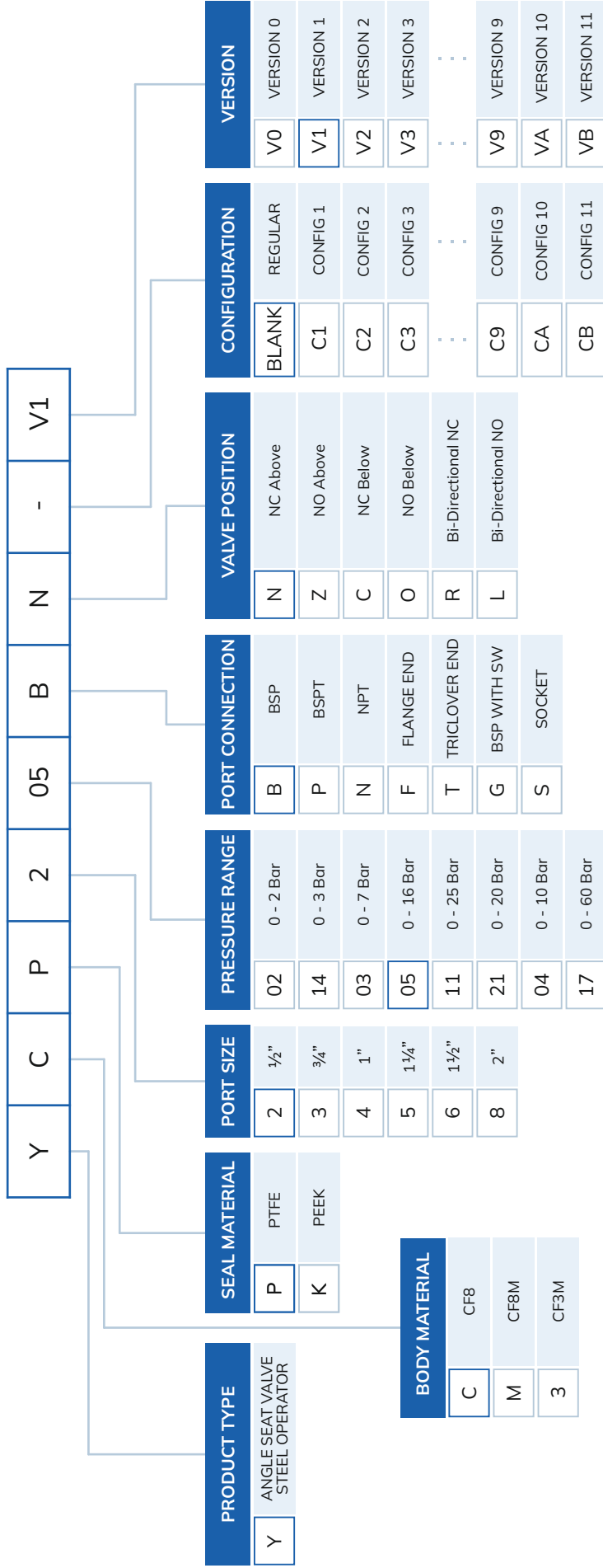
### Actuator Type

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

### Technical Data

Model No.	Body Material	Pipe (Inch)	Orifice (mm)	Min. Operating Pressure Kg/cm <sup>2</sup>	Max. Operating Pressure Kg/cm <sup>2</sup>	Seal & 'O' Ring Material	Flow Factor Kv m <sup>3</sup> / hr
YCP205BNV1	CF8 / CF8M	½"	15	0	16	PTFE / VITON	6
YCP305BNV1	CF8 / CF8M	¾"	20	0	16	PTFE / VITON	10.9
YCP405BNV1	CF8 / CF8M	1"	25	0	16	PTFE / VITON	21
YCP505BNV1	CF8 / CF8M	1¼"	32	0	16	PTFE / VITON	35
YCP605BNV1	CF8 / CF8M	1½"	40	0	16	PTFE / VITON	49
YCP803BNV1	CF8 / CF8M	2"	50	0	07	PTFE / VITON	68

# ANGLE SEAT VALVE WITH STEEL ACTUATOR OPERATED MODEL IDENTIFICATION CHART



**YCP205BNV1**  
 1/2" ANGLE SEAT VALVE STEEL OPERATOR CF8-PTFE-0 TO 16 Bar-BSP-NC ABOVE-VERSION 1

# Global Presence...



Made In India



## CONTACT US:

✉ [sales@uflowvalve.com](mailto:sales@uflowvalve.com) ☎ +91 851 109 8822 🌐 [www.uflowvalve.com](http://www.uflowvalve.com)

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