

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

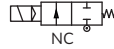
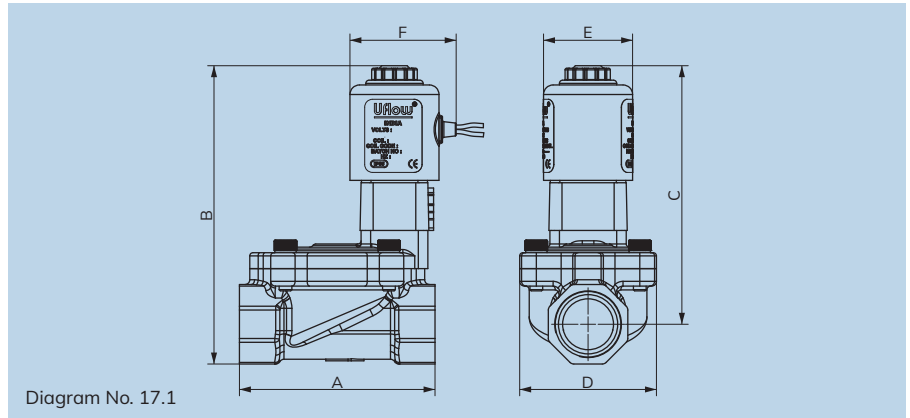
Cylinder

One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA



Specifications

Port :	3/8", 1/2", 3/4", 1", 1 1/2" & 2" (Available BSP / NPT)				
End Connection :	Screwed				
Body Material :	Forged Brass				
Diaphragm :	Nitrile (NBR)	EPDM	Viton (FKM)		
Media Temp :	-30°C to 90°C	-10°C to 140°C	-10°C to 180°C		
Circumstance Temp :	-10°C to 70°C				
Media :	Air, Water, Chemical, Gas, Oil, Diesel, Kerosene, LPG.				
Main Features :	Internal Parts are in superior corrosion resistance steel, (Equivalent to SS316L) Suitable for Food Industries, Pharmaceuticals, Chemical application & Highly corrosive environment.				
Operating Voltage :	24AC	110AC	230AC	12DC	24DC
Power Consumption :	9W / 6W	9W / 6W	9W / 6W	10W / 6W	11W / 6W
Coil Features :	High Reliability Unaffected by Voltage Surges. Easy coil changes coil lockable in 4X90 position or freely movable in between as require.				
Coil Housing :	IP65 Epoxy square coil, IP65 Metallic round enclosure, IP68 Weatherproof enclosure.				
Optional Feature :	90% Power saver series also available, Manual Override, Water hammering reducer also available to avoid water hammer forces.				
Other Specification Data :	Available on Request.				

NOTE: Use of filter in the inlet port is recommended.

Technical Data

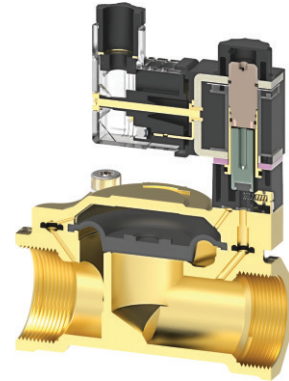
Model No.	Body Material	Pipe (Inch)	Orifice (mm)	Min. Operating Pressure Kg/cm ²	Max. Operating Pressure Kg/cm ²	Seal & Diaphragm Material	Flow Factor Kv m ³ / hr
PBN-7CM	BRASS	3/8"	16	0.5	10	NBR / EPDM / VITON	1.5
PBN-2CM	BRASS	1/2"	16	0.5	10	NBR / EPDM / VITON	2.1
PBN-3CM	BRASS	3/4"	20	0.5	10	NBR / EPDM / VITON	5.5
PBN-4CM	BRASS	1"	25	0.5	10	NBR / EPDM / VITON	9
PBN-5CM	BRASS	1 1/4"	36	0.5	10	NBR / EPDM / VITON	17.1
PBN-6CM	BRASS	1 1/2"	36	0.5	10	NBR / EPDM / VITON	17.1
PBN-8E	BRASS	2"	50	0.5	10	NBR / EPDM / VITON	29.9

Dimension - NC (All dimensions in mm)

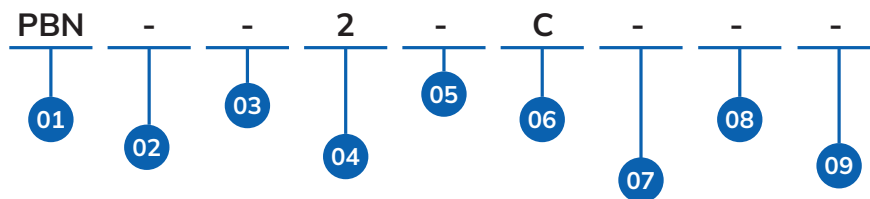
All Dimensions are approx.

Model No.	Port Size	Diagram No.	A	B	C	D	E	F
PBN-7CM	3/8"	17.1	62	97	85	43	28	33
PBN-2CM	1/2"	17.1	62	97	85	43	28	33
PBN-3CM	3/4"	17.1	77	101	85	52	28	33
PBN-4CM	1"	17.1	92	109	89	63	28	33
PBN-5CM	1 1/4"	17.1	120	123	95	81	28	33
PBN-6CM	1 1/2"	17.1	120	123	95	81	28	33
PBN-8E	2"	17.1	145	153	120	106	38	48

Section View



PBN -SERIES PILOT OPERATED SOLENOID VALVE MODEL CHART



01	SERIES
PBN	

02	PRODUCT TYPE
-	Pilot Operated Diaphragm

03	SEAL MATERIAL
-	NITRILE
E	EPDM
V	VITON

04	PORT SIZE
2	1/2"
3	3/4"
4	1"
5	1-1/4"
6	1-1/2"
7	3/8"
8	2"

05	PORT CONNECTION
-	BSP
N	NPT
P	BSPT

06	COIL DIA
C	10mm AC
D	10mm DC
E	14mm AC
F	14mm DC
G	14mm FLP AC
H	14mm FLP DC
5	14mm SS FLP AC
6	14mm SS FLP DC
7	14mm Bottom Cable Entry Exp. AC
7D	14mm Bottom Cable Entry Exp. AC
8	14mm Bottom Cable Entry Exp. AC
8D	14mm Bottom Cable Entry Exp. AC

07	FEATURES
-	W/O MOR
M	TURN MOR

08	CONFIGURATION
-	REGULAR
C1	CONFIG 1
C2	CONFIG 2
C3	CONFIG 3
..	..
C9	CONFIG 9
CA	CONFIG 10
CB	CONFIG 11

09	VERSION
-	VERSION 0
V1	VERSION 1
V2	VERSION 2
V3	VERSION 3
..	..
V9	VERSION 9
VA	VERSION 10
VB	VERSION 11

PBN-2C

1/2" PILOT OPERATED DIAPHRAGM BRASS FORGE-NITRILE-
0.5 TO 10 BAR-BSP-NC-10MM AC