

PNN SERIES
PILOT OPERATED DIAPHRAGM TYPE
PLASTIC SOLENOID VALVE WITH FLOW CONTROLLER
(NC)

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

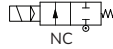
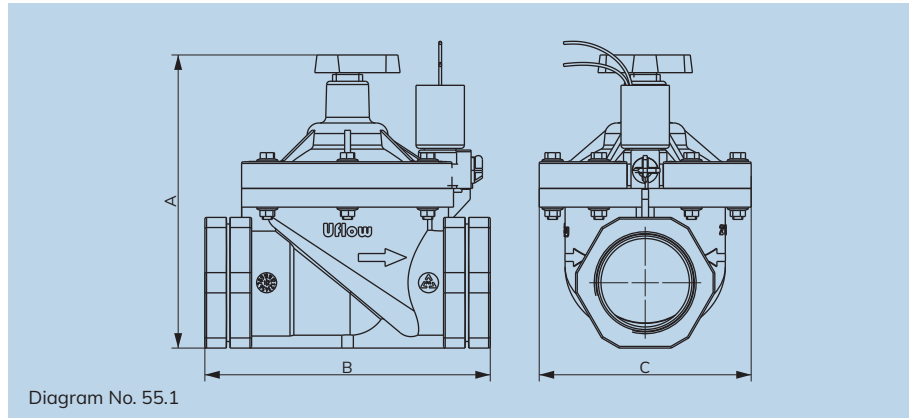
Cylinder

One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA



Specifications

Port :	¾", 1", 1½" & 2" (Available in BSP / BSPT / NPT)		
End Connection :	Screwed		
Body Material :	Nylon GF		
Diaphragm :	Natural Rubber		
Max Media Temp :	5°C to 50°C		
Ambient Temp :	-10°C to 50°C		
Media :	Water		
Operating Voltage :	24AC	24DC	12DC
Power Consumption :	8W	8W	8W
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.		
Other Specification Data :	Available on Request		

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

Feature

- ☒ Inbuilt Flow Control Capabilities.
- ☒ Manual Override in All The Valve.
- ☒ Pressure Below Seat to Reduce Water Hummer.
- ☒ Low Head Loss With High Flow.

Technical Data

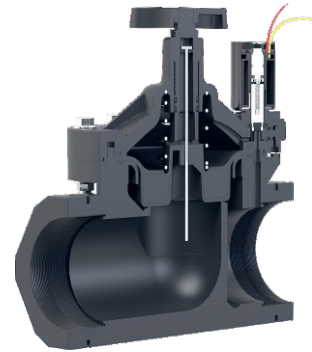
Model No.	Body Material	Pipe (Inch)	Orifice (mm)	Min. Operating Pressure mbar	Max. Operating Pressure bar	Seal & Diaphragm Material	Flow Factor Kv m³ / hr
PNN-3TM	Nylon GF	¾"	20	0.5	10	Natural Rubber	8
PNN-4TM	Nylon GF	1"	25	0.5	10	Natural Rubber	12
PNN-6TM	Nylon GF	1½"	40	0.5	10	Natural Rubber	23
PNN-8TM	Nylon GF	2"	52	0.5	10	Natural Rubber	38

Dimension (All dimensions are in mm)

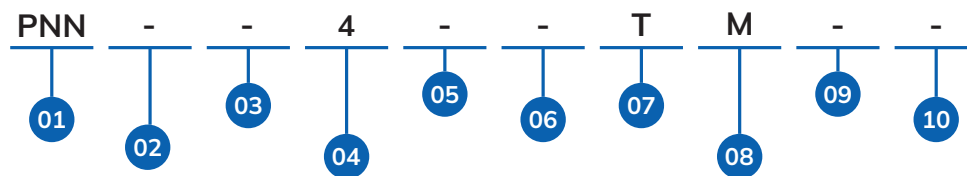
All Dimensions are approx.

Model No.	Port Size	Diagram No.	A	B	C
PNN-3TM	¾"	55.1	108	110	81
PNN-4TM	1"	55.1	114	110	81
PNN-6TM	1½"	55.1	180	160	126
PNN-8TM	2"	55.1	190	170	126

Section View



PNN - SERIES PILOT OPERATED DIAPHRAGM TYPE PLASTIC VALVE MODEL CHART



01	SERIES
	PNN

02	PRODUCT TYPE
-	Pilot Operated Diaphragm
D	External Pilot Operated Diaphragm Valve

03	SEAL MATERIAL
-	Natural Rubber
E	EPDM

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

05	PRESSURE RANGE
-	0.5 - 10 Bar

06	PORT CONNECTION
-	BSP
N	NPT
P	BSPT

07	COIL DIA
E	14MM AC
F	14MM DC
T	12MM AC
U	12MM DC

08	FEATURES
-	W/O Flow Control
M	MOR With Flow Control

09	CONFIGURATION
-	Regular
C1	CONFIG 1
C2	CONFIG 2
C3	CONFIG 3

..	..
..	..
..	..
C9	CONFIG 9
CA	CONFIG 10
CB	CONFIG 11

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

PNN-4TM

1" PILOT OPERATED DIAPHRAGM NYLON GF-NATURAL RUBBER-0.5 TO 10 BAR
-BSP-NC-12MM AC-MOR WITH FLOW CONTROL

Note : The above chart is for identification purposes only, and it may not be possible to make all combinations for the above chart.