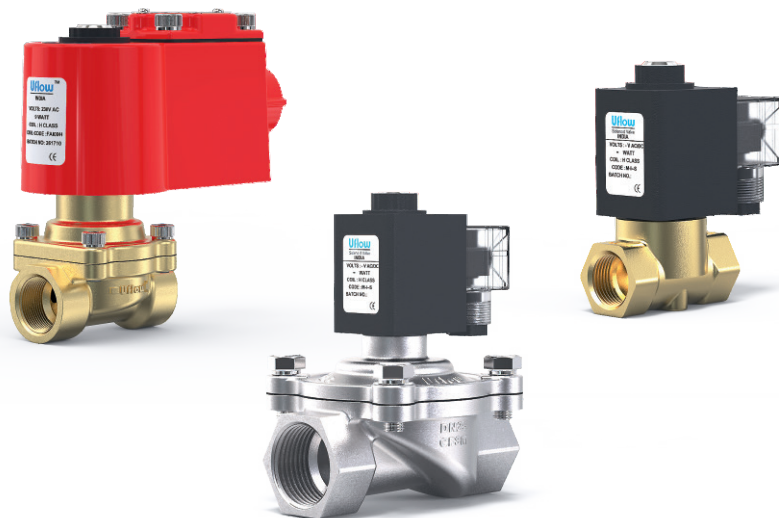


MCN SERIES
SEMI LIFT DIAPHRAGM OPERATED
SOLENOID VALVE (NC / NO)

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

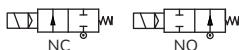
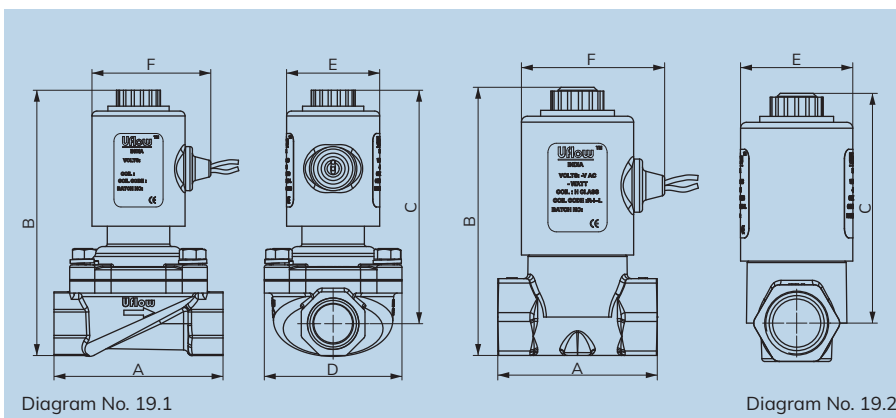
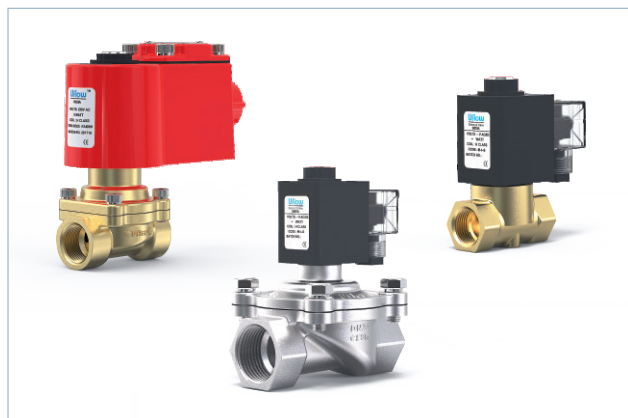
Cylinder

One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA



Specifications

Port :	¾", ½", ¾", 1", 1½" & 2" (Available BSP / NPT)				
End Connection :	Screwed / Flange				
Body Material :	SS ASTM A351 Grade CF8 / CF8M, Forged Brass				
Diaphragm :	Nitrile (NBR)	EPDM	Viton (FKM)	PTFE	
Media Temp :	-30°C to 90°C	-10°C to 140°C	-10°C to 180°C	-10°C to 180°C	
Circumstance Temp :	-10°C to 70°C				
Media :	Air, Water, Chemical, Gas, Oil, Steam, 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	9W	9W	10W	11W
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, IP67 Flameproof enclosure, IP68 Weatherproof enclosure.				
Optional Feature :	90% Power saver series also available, Water hammering reducer also available to avoid water hammer forces. Special high flow rate series available on request at low pressure or gravity pressure application.				

Note : Use of filter in the inlet port is recommended., Preferably Over Horizontal Pipeline with the coil upright.

Caution : AC coil should not be used on a DC coil valve.

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
MCN-B703E	BRASS	3/8"	15.5	0	7	NBR / EPDM / VITON	2.5
MCN-B704E	BRASS	3/8"	12	0	10	NBR / EPDM / VITON	2.5
MCN-B203E	BRASS	1/2"	15.5	0	7	NBR / EPDM / VITON	3.1
MCN-B204E	BRASS	1/2"	12	0	10	NBR / EPDM / VITON	2.3
MCN-204E	CF8 / CF8M	1/2"	15	0	10	NBR / EPDM / VITON	2.5
MCN-203E	CF8 / CF8M	1/2"	17	0	7	NBR / EPDM / VITON	3.2
MCN-303E	CF8 / CF8M	3/4"	20	0	7	NBR / EPDM / VITON	5
MCN-304E	CF8 / CF8M	3/4"	18	0	10	NBR / EPDM / VITON	2.1
MCN-403E	CF8 / CF8M	1"	25.5	0	7	NBR / EPDM / VITON	8.2
MCN-613I	CF8 / CF8M	1 1/2"	38	0	4	NBR / EPDM / VITON	18.2
MCN-813I	CF8 / CF8M	2"	46.5	0	4	NBR / EPDM / VITON	31.4

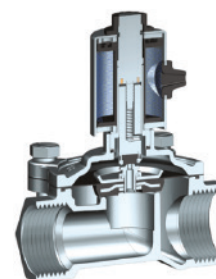
Dimension - NC (All dimensions in mm)

All Dimensions are approx.

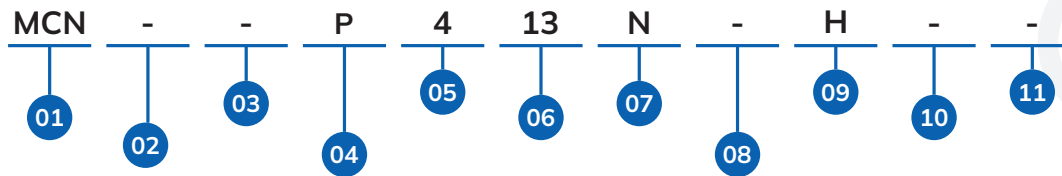
Model No.	Port Size	Diagram No.	A	B	C	D	E	F
MCN-B703E	3/8"	19.1	57	107	93	46	38	49
MCN-B203E	1/2"	19.1	57	107	93	46	38	49
MCN-B204E	1/2"	19.2	54	94	80	-	38	49
MCN-203E	1/2"	19.1	69	109	95	56	38	49
MCN-303E	3/4"	19.1	76	114	98	62	38	49
MCN-304E	3/4"	19.2	65	101	85	-	38	49
MCN-403E	1"	19.1	100	122	102	78	38	49
MCN-613I	1 1/2"	19.1	108	151	124	89	50	62
MCN-813I	2"	19.1	130	170	137	107	50	62

In normally open valve dimension B&C will increase up to 8mm.

Section View



MCN - SERIES SEMI LIFT DIAPHRAGM OPERATED SOLENOID VALVE MODEL CHART



01	SERIES
	MCN

02	PRODUCT TYPE
-	Semi Lift Diaphragm Operated

03	BODY MATERIAL
-	CF8
M	CF8M
B	Brass Forge
C	CF3M

04	SEAL MATERIAL
-	NITRILE
E	EPDM
V	VITON
F	SPL. VITON
P	PTFE

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

06	PRESSURE RANGE
01	0 - 500 Mbar
02	0 - 2 Bar
03	0 - 7 Bar
04	0 - 10 Bar
13	0 - 4 Bar
14	0 - 3 Bar
15	0 - 1 Bar
19	0 - 5 Bar
52	-1 to 1 Bar

07	PORT CONNECTION
-	BSP
N	NPT
D	Flange End
P	BSPT
T	Tri Clover End

08	VALVE POSITION
-	NC
Z	NO

09	COIL DIA
E	14mm AC
F	14mm DC
G	14mmFLP AC
H	14mm FLP DC
I	18mm AC
J	18mm DC
V	18mm FLP AC
W	18mmFLP 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	18mm Bottom Cable Entry Exp.AC
8D	18mm Bottom Cable Entry Exp.AC

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

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