

**HCP SERIES**  
**PILOT OPERATED PISTON**  
**TYPE SOLENOID VALVE (NC / NO)**

Automation  
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

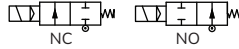
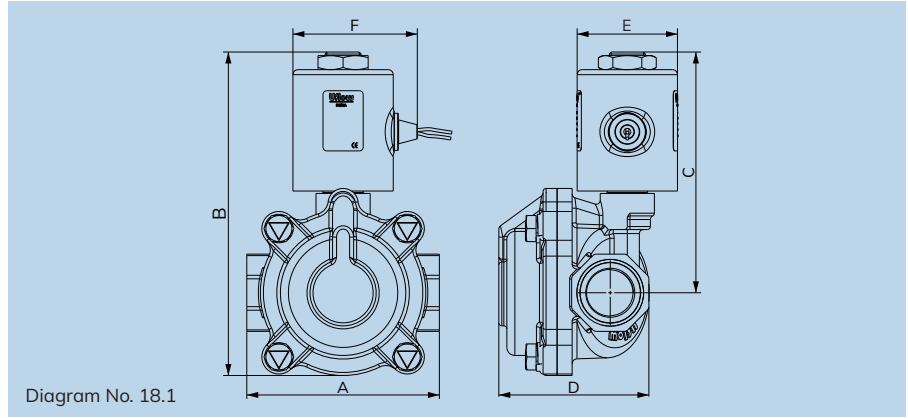
Actuator

Cylinder

One Touch Fitting

Ball Valve

Butterfly Valve



**Specifications**

Port :	½", ¾", 1", 1¼", 1½" & 2" (Available BSP / NPT)				
End Connection :	Screwed / Flange				
Body Material :	SS ASTM A351 Grade CF8 / CF8M				
Diaphragm :	PTFE	SPL. VITON			
Media Temp :	-10°C to 180°C	-10°C to +180°C			
Circumstance Temp :	-10°C to 70°C				
Media :	Steam, Hot Water, Hot Fluid, Oil				
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 :	15W	15W	15W	15W	15W
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.				
Other Specification Data :	Available on Request.-Manual Override				

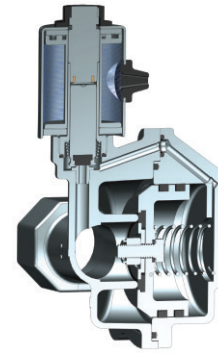
**Dimension - NC** (All dimensions in mm)

All Dimensions are approx.

Model No.	Port Size	Diagram No.	A	B	C	D	E	F
HCP-2I	½"	18.1	67	138	110.5	60	50	63
HCP-3I	¾"	18.1	81	145.2	112.5	71	50	63
HCP-4I	1"	18.1	96	161	120	75	50	63
HCP-5I	1¼"	18.1	108	169.5	123.5	96	50	63
HCP-6I	1½"	18.1	108	169.5	123.5	96	50	63
HCP-8I	2"	18.1	132	196	140.8	114	50	63

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

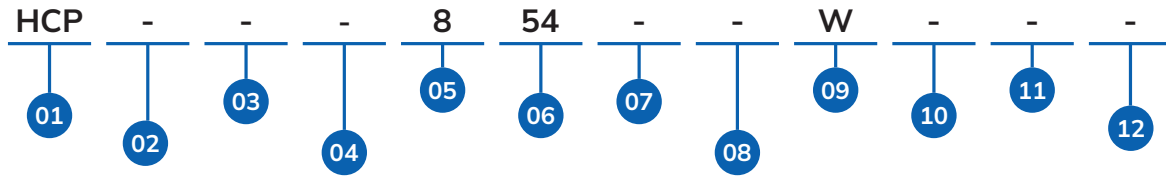
**Section View**



**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 & Diaphragm Material	Flow Factor Kv m <sup>3</sup> / hr
HCP-2I	CF8 / CF8M	½"	17	1.5	12	SPL. VITON	4
HCP-3I	CF8 / CF8M	¾"	20	1.5	12	SPL. VITON	7
HCP-4I	CF8 / CF8M	1"	25	1.5	12	SPL. VITON	12
HCP-5I	CF8 / CF8M	1¼"	36	1.5	12	SPL. VITON	23
HCP-6I	CF8 / CF8M	1½"	36	1.5	12	SPL. VITON	23
HCP-8I	CF8 / CF8M	2"	47	1.5	12	SPL. VITON	38
HCP-A254I	CF8 / CF8M	½"	17	4	45	PTFE	4
HCP-A354I	CF8 / CF8M	¾"	20	4	45	PTFE	7
HCP-A454I	CF8 / CF8M	1"	25	4	45	PTFE	12
HCP-A554I	CF8 / CF8M	1¼"	36	4	45	PTFE	23
HCP-A654I	CF8 / CF8M	1½"	36	4	45	PTFE	23
HCP-A854I	CF8 / CF8M	2"	47	4	45	PTFE	38

# HCP - SERIES PISTON OPERATED SOLENOID VALVE MODEL IDENTIFICATION CHART



01	SERIES
HCP	

02	PRODUCT TYPE
-	Usd Piston Operated

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

04	SEAL MATERIAL
-	SPL. VITON
A	PTFE
V	VITON

05	PORT SIZE
2	1/2"
3	3/4"
4	1"
5	1-1/4"
6	1-1/2"
8	2"
M	M30 x 1.5

06	PRESSURE RANGE
-	1.5 - 12 Bar
54	4 TO 45 Bar
53	7 TO 22 Bar
61	10 TO 150 Bar

07	PORT CONNECTION
-	BSP
N	NPT
P	BSPT
D	Flange End
A	Flat Face Flange End
C	MM

08	VALVE POSITION
-	NC
Z	NO

09	COIL DIA
I	18mm AC
J	18mm DC
V	18mm FLP AC
W	18mm FLP DC
E	14mm AC
F	14mm DC
G	14mm FLP AC
H	14mm FLP DC
7	14mm Bottom Cable Entry Exp. AC
7D	14mm Bottom Cable Entry Exp. DC
8	18mm Bottom Cable Entry Exp.ac
8D	18mm Bottom Cable Entry Exp.AC

10	FEATURES
-	W/O MOR
M	TURN MOR
P	PUSH MOR

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

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

**HCP-854W**  
2" USD PISTON OPERATED CF8-SPL. VITON-4 TO 45  
Bar-BSP-NC-18MM FLP DC

# Global Presence...



Made In India



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