



**C2-3**  
Single Air Piloted



**C2-2R**  
3 Position, Double Air Piloted



**C2-10H**  
Hand Valve

## Sub-Base Mounted

Mead's Capsula valves work long and hard even when subjected to dirty air. Their unique patented bi-lobed seals are wear compensating, self cleaning, and are completely retained to prevent extrusion.

All models are mounted on a side ported sub-base. Any valve module may be separated from its base in seconds without disturbing the piping.

**Ordering Instructions** - State model number and voltage.

**C2-4DCD - 120AC**

Base Model \_\_\_\_\_

Voltage \_\_\_\_\_

### General Specifications

<b>Flow:</b>	1/4" Models - C <sub>v</sub> = 0.75 (45 SCFM at 100 PSI) 1/2" Models - C <sub>v</sub> = 3.17 (190 SCFM at 100 PSI)
<b>Max. Air Pressure:</b>	120 PSI
<b>Pilot Ports:</b>	1/8" NPT
<b>Filtration:</b>	40 micron (extends valve life)
<b>Lubrication:</b>	Required for 1/2" and all 3-position models
<b>Response:</b>	30-40 ms
<b>Temperature:</b>	-20°F to +212°F
<b>1/4" Materials:</b>	Module (Valox) - Spool (Delrin AF®) Base (Die cast Aluminum) ®Dupont Company
<b>1/2" Materials:</b>	Module (Phenolic) - Spool (Aluminum) Base (Rolled Aluminum)

Model Number	Port Size	Actuator	Return	Description	Min. Pilot Press. (PSI)	Available Voltages DC	AC
C2-1	1/4	Air Pilot	Air Pilot	2-Position, Double Pressure Piloted	20	-	-
C5-1	1/2	Air Pilot	Air Pilot	2-Position, Double Pressure Piloted	20	-	-
C2-2H	1/4	Air Pilot	Spr. Center	3-Position, Double Pressure, Pressure Held In Center	45	-	-
C2-2R	1/4	Air Pilot	Spr. Center	3-Position, Double Pressure, Pressure Released	45	-	-
C2-3	1/4	Air Pilot	Spring	2-Position, Single Pressure Piloted	35	-	-
C5-3	1/2	Air Pilot	Spring	2-Position, Single Pressure Piloted	35	-	-
C2-4DCD	1/4	Solenoid	Spring	2-Position, Single DIN Solenoid	35	12-24	24-120-240
C5-4DCD	1/2	Solenoid	Spring	2-Position, Single DIN Solenoid	35	12-24	24-120-240
C2-5DCD	1/4	Solenoid	Solenoid	2-Position, Double DIN Solenoid	20	12-24	24-120-240
C5-5DCD	1/2	Solenoid	Solenoid	2-Position, Double DIN Solenoid	20	12-24	24-120-240
C2-6HDCD	1/4	Solenoid	Spr. Center	3-Position, Double DIN Solenoid, Pressure Held In Center	45	12-24	24-120-240
C2-6RDCD	1/4	Solenoid	Spr. Center	3-Position, Double DIN Solenoid, Pressure Released	45	12-24	24-120-240
C2-7	1/4	Hand Lever	Spring	2-Position Lever, Spring Return	-	-	-
C5-7	1/2	Hand Lever	Spring	2-Position Lever, Spring Return	-	-	-
C2-8	1/4	Hand Lever	Hand Lever	2-Position Lever, Friction Held	-	-	-
C5-8	1/2	Hand Lever	Hand Lever	2-Position Lever, Friction Held	-	-	-
C2-9H	1/4	Hand Lever	Spr. Center	3-Position Lever, Pressure Held In Center	-	-	-
C2-9R	1/4	Hand Lever	Spr. Center	3-Position Lever, Pressure Released in Center	-	-	-
C2-10H	1/4	Hand Lever	Detented	3-Position Lever, Pressure Held In Center	-	-	-
C2-10R	1/4	Hand Lever	Detented	3-Position Lever, Pressure Released In Center	-	-	-

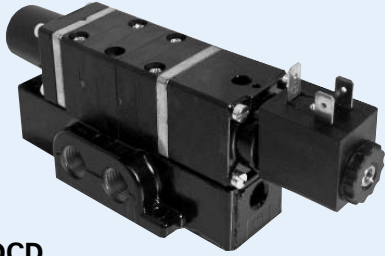
\* Connector not included on solenoid models; see below.

## DIN Solenoid Connectors

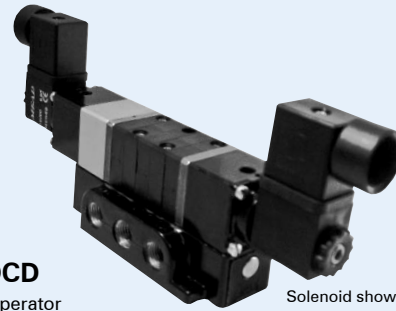
Electrically actuated Capsula valves utilize DIN type solenoids. DIN solenoids feature a totally encapsulated coil with 3 prongs, allowing fast and easy connections. DIN connectors are ordered separately. Mead offers 3 types of DIN connectors to facilitate connections to the solenoid. A full description of these connectors can be found on page 66.



Model PVD1



**C2-4DCD**  
Solenoid Operator



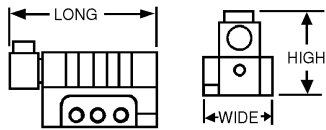
**C2-5DCD**  
Solenoid Operator

Solenoid shown here with (2) connectors, PVD1 (sold separately)

**Dimensions**

2 mounting holes per valve:

1/4" valves - 7/32" diameter  
1/2" valves - 9/32" diameter

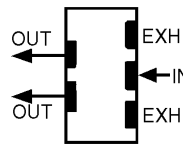


Model	Long	Wide	High
C2-1	4 7/32	2	2 1/4
C5-1	7 7/16	3	3 1/4
C2-2H	7 1/32	2	2 1/4
C2-2R	7 1/32	2	2 1/4
C2-3	4 21/32	2	2 1/4
C5-3	7 31/32	3	3 1/4
C2-4DCD	6 1/2	2	2 1/4
C5-4DCD	10 9/32	3	3 1/8
C2-5DCD	7 3/4	2	3 9/16
C5-5DCD	10 13/16	3	3 1/8
C2-6HDCD	10 25/32	2	3 9/16
C2-6RDCD	10 25/32	2	3 9/16
C2-7	5 3/8	2	5 5/8
C5-7	9 3/16	3	8 7/8
C2-8	5 7/8	2	5 5/8
C5-8	6 1/4	3	8 7/8
C2-9H	6 1/4	2	5 5/8
C2-9R	6 1/4	2	8 7/8
C2-10H	6 1/4	2	5 5/8
C2-10R	6 1/4	2	8 7/8

**Actuators**

The Capsula line offers a wide variety of actuator styles including single & double air piloting, hand lever operators, and single & double solenoid piloting.

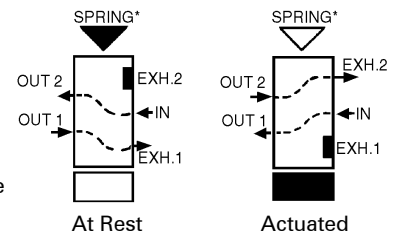
**Flow Patterns**



Capsula valves are 4-way, 5 ported directional control valves. This means that they have one inlet, 2 pressure outputs, and 2 exhaust ports. Dual exhausts facilitate individual flow control of each output port and allow dual pressure and diverter hooksup.

**Two Position Models**

Whenever the inlet is charged, flow will occur at one output port or the other.

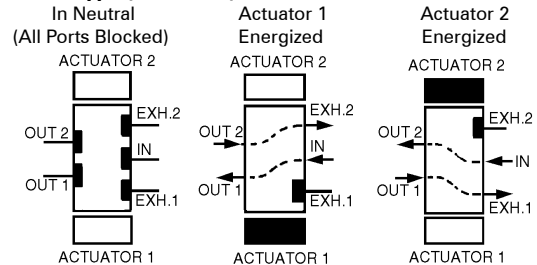


\*On double solenoid or double air piloted models, the second actuator replaces the spring.

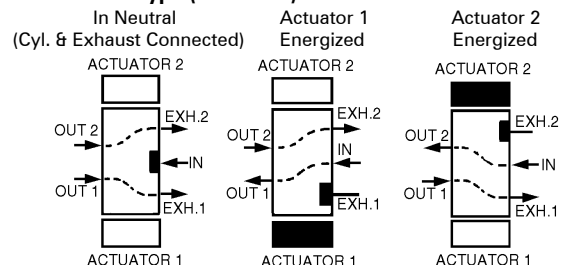
**Three Position Models**

Whenever the inlet is charged and neither actuator is signalled, both output ports will either be blocked (pressure held) or exhausted (pressure released). Pressure held models allow a cyl. to be "inched" along. Pressure released models allow the cylinder piston to float in neutral.

**Pressure Held Type (H Models)**



**Pressure Release Type (R Models)**



**Valve Symbols**

