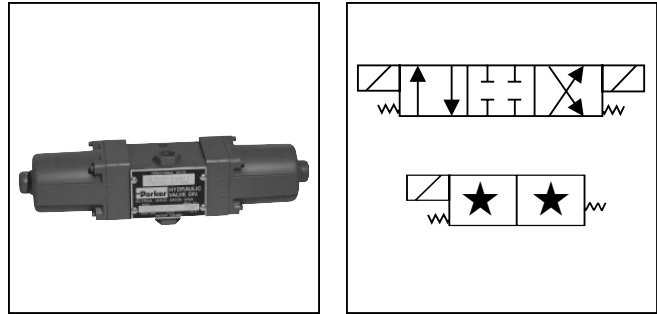


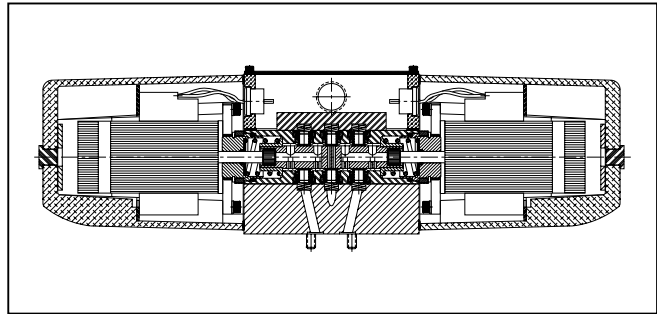
**General Description**

Series 21200 Exectrol directional control valves are direct solenoid operated 4-way control valves. A slide and balanced seals are used which provides near zero leakage. The valves have a high tolerance to media contamination as each movement of the slide wipes the sealing surfaces clean which in turn results in long service life.



**Features**

- Shear-type positive seal.
- Zero leakage (8 drops per min. Max. – Test pressure 276 Bar (4000 PSI).
- Ideal for water soluble systems (95-5).
- Pressures up to 414 Bar (6000 PSI).
- Long life, easy maintenance.
- Standard valves are interflow.
- No packing to wear or cut.
- High tolerance to contamination.
- High tolerance to silting.
- Manual overrides are standard.

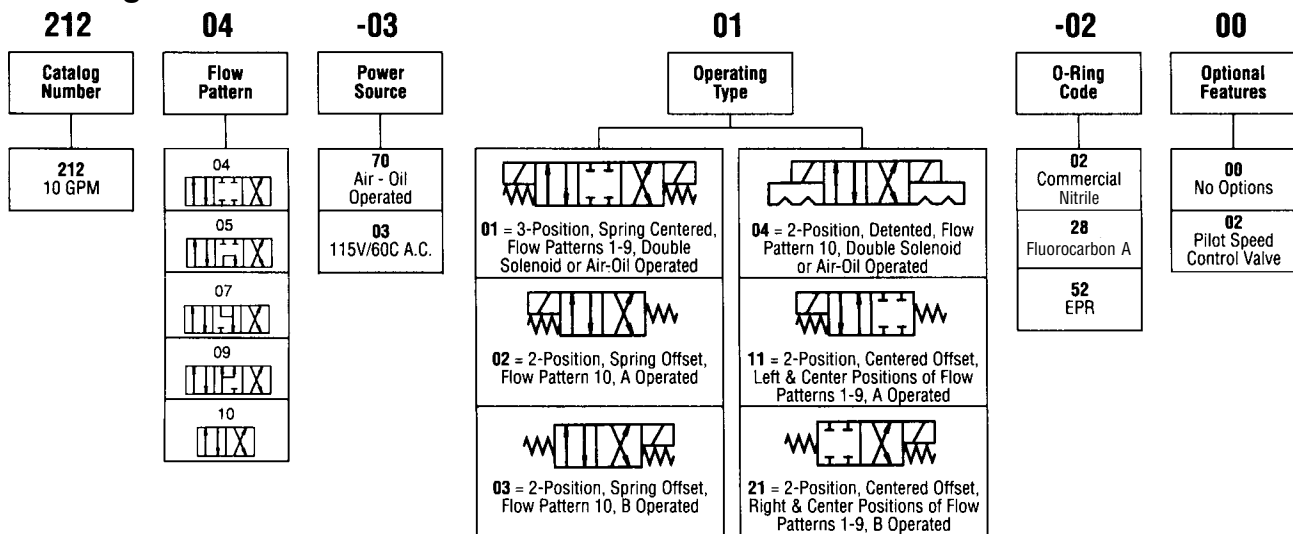


Electrical Data		Weight	
Inrush Current	16 Amps Maximum	One Solenoid	Two Solenoids
Holding Current	2.5 Amps Maximum		
Drop-Out Voltage	Approx. 75% Rated Voltage	20 Lbs.	26 Lbs.
Voltage Required to Pull Back After Drop-Out	Approx. 95% Rated Voltage		

**Specifications**

<b>Service Applications</b>	Hydraulic oil. Water containing minimum of 5% soluble oil. Suggest water soluble oil with a sodium sulphonate-based emulsifier. Oil should have a viscosity of 250-350 SSU at 38°C (100°F). Others available on special order.	<b>Internal Leakage</b>	8 DPM Max. at 276 Bar (4000 PSI)
<b>Maximum Operating Pressure</b>	Working: 414 Bar (6000 PSI) *Proof: 621 Bar (9000 PSI) *Burst: 1035 Bar (15,000 PSI)  *Applicable to pressure and cylinder ports only  Note: Installation of this valve should ensure that exhaust port pressure does not exceed cylinder port pressures by more than 3.5 Bar (50 PSI) and never exceed 69 Bar (1000 PSI)	<b>Mounting</b>	Subplate. Mounting bolts furnished
<b>Flow</b>	37.9 LPM (10 GPM) rated maximum	<b>Material</b>	Cover: Steel Body: Steel Bottom Plate: Steel Inserts: Steel Washers: Steel Locknut: Steel Spring Retainer: Steel Screws: Steel Retainer Plate: Steel  Name Plate Housing: Aluminum alloy, anodized End Cap: Aluminum alloy, anodized  Slide: Stainless Steel Seals: Stainless Steel Springs: Stainless Steel  O-rings: Synthetic rubber
<b>Operating Time</b>	25 milliseconds	<b>Operating Temperature</b>	-40°C to +107°C (-40°F to +225°F) (with Code 02 O-rings)
<b>CV Factor</b>	1.0		

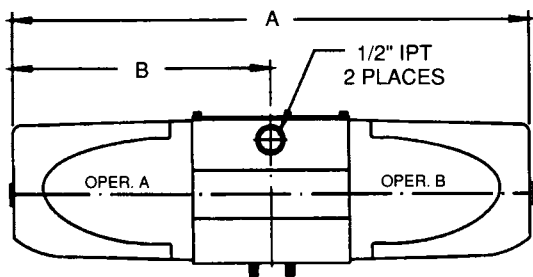
**Ordering Information**



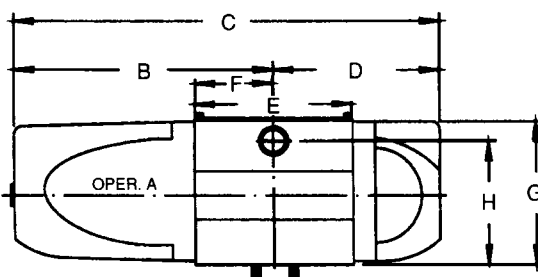
**Note:**  
 Do not use these valves in series or tandem circuits.



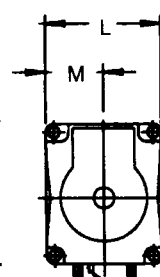
**Dimensions**



**Double Solenoid  
 Spring Centered and  
 Detented**



**Single Solenoid  
 Spring Offset**



1/8" Dia.  
 Locating  
 Pin Extends 1/4"

Power Source	Operating Type	All Dimensions are in Inches									Mounting Bolt Torque	
		A	B	C	D	E	F	G	H	L		M
Double Solenoid A.C.	01 3-Position Spring Centered 04 2-Position Detented	15 <sup>13</sup> / <sub>16</sub>	7 <sup>29</sup> / <sub>32</sub>	—	—	4 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>32</sub>	4 <sup>7</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	160 to 180 Inch Lbs.
Single Solenoid A.C.	02+03 2-Position Spring Offset 11+21 2-Position Centered Offset	—	7 <sup>29</sup> / <sub>32</sub>	13 <sup>31</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>8</sub>	4 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>32</sub>	4 <sup>7</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	
Pneu. or Hyd. Double Operator	01 3-Position Spring Centered 04 2-Position Detented	12 <sup>1</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>32</sub>	—	—	4 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>32</sub>	4 <sup>7</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	160 to 180 Inch Lbs.
Pneu. or Hyd. Single Operator	02+03 2-Position Spring Offset 11+21 2-Position Centered Offset	—	6 <sup>1</sup> / <sub>32</sub>	11 <sup>5</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>8</sub>	4 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>32</sub>	4 <sup>7</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	

**Note:** Pneumatic and hydraulic operators, operating pressure is 20 to 150 PSI.

