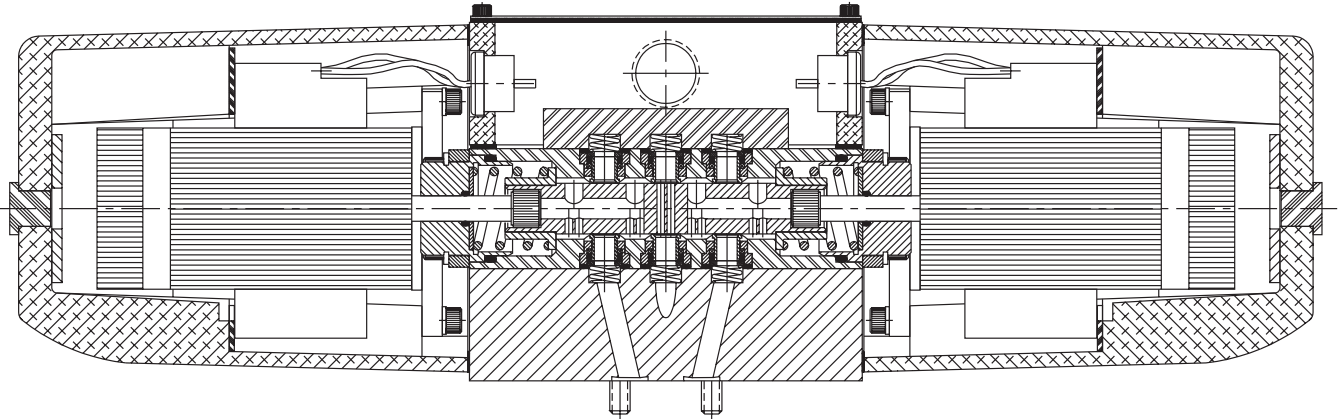


# Catalog Series 21200

## 10 GPM



### Features

- Shear-type positive seal.
- Zero leakage (1 drop per min. per pressurized port).
- Ideal for water soluble systems (95-5).
- Pressures up to 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.

### Specifications

#### Service Applications:

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 100° F. Others available on special order.

#### Pressure Range:

**Working:** To 6000 PSI  
**\*Proof:** 9000 PSI  
**\*Burst:** 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 50 PSI and never exceed 1000 PSI.

#### Temperature Range:

-40° to 225° F. (with Code 02 O-rings)

#### CV Factor: 1.0

**Internal Leakage:** 1 DPM per pressurized port.

**Mounting:** Sub-plate. Mounting bolts furnished.

#### Materials:

**Cover, Body, Bottom Plate, Inserts, Washers, Spring Retainer, Screws, Retainer Plate:** Steel.

**Name Plate Housing, End Cap:** Aluminum alloy, anodized.

**Slide, Seals, Springs:** Stainless steel.

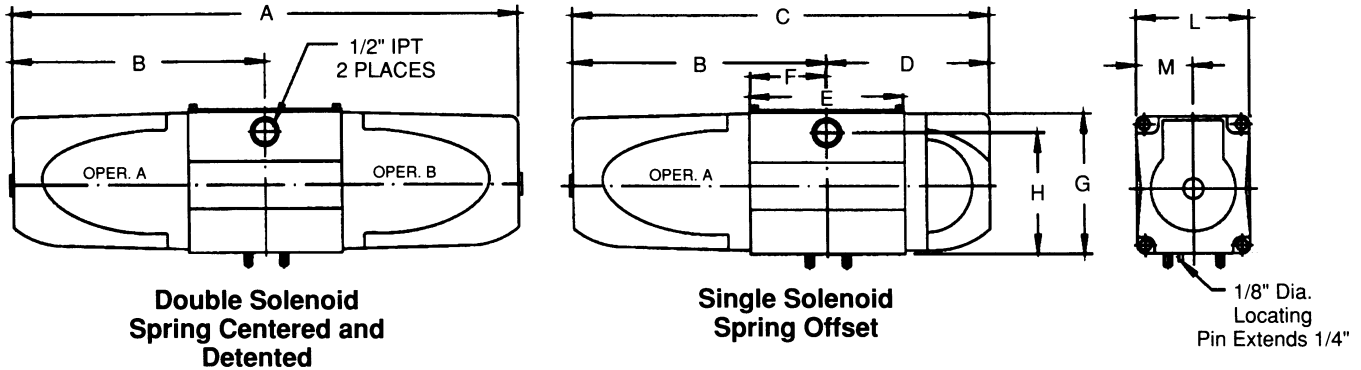
**O-Rings:** Synthetic rubber.

**Flow:** 10 gpm rated maximum.

**Operating Time:** 25 milliseconds.

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		

### Dimensions



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 04 3-Position Spring Centered 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 11+21 2-Position Spring Offset 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 04 3-Position Spring Centered 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 11+21 2-Position Spring Offset 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.



### Interpretation of Valve Number

212	04	-03	01	-02	00	
Catalog Number	Flow Pattern	Power Source	Operating Type	O-Ring Code	Optional Features	
212 10 GPM	01 02 03 04 05 06 07 08 09 10	01 Air - Oil Operated 03 115V/60C A.C. 05 110V/50C A.C. 07 230V/60C A.C. 09 220V/50C A.C. 11 460V/60C A.C. 13 440V/50C A.C.	01 = 3-Position, Spring Centered, Flow Patterns 1-9, Double Solenoid or Air-Oil Operated 02 = 2-Position, Spring Offset, Flow Pattern 10, A Operated 03 = 2-Position, Spring Offset, Flow Pattern 10, B Operated	04 = 2-Position, Detented, Flow Pattern 10, Double Solenoid or Air-Oil Operated 11 = 2-Position, Centered Offset, Left & Center Positions of Flow Patterns 1-9, A Operated 21 = 2-Position, Centered Offset, Right & Center Positions of Flow Patterns 1-9, B Operated	02 Commercial Nitrile 03 Nitrile (MIL-P-5516) 27 Nitrile (MIL-P-25732) 28 Fluorocarbon A 52 EPR	00 No Options 02 Pilot Speed Control Valve 10 Single Tel-Lite 12 Single Tel-Lite Pilot Speed Control Valve 20 Double Tel-Lite 22 Double Tel-Lite Pilot Speed Control Valve

**Note:**  
 1. See Page E-16 for sub-plate and mounting dimensions.  
 2. Do not use these valves in series or tandem circuits.