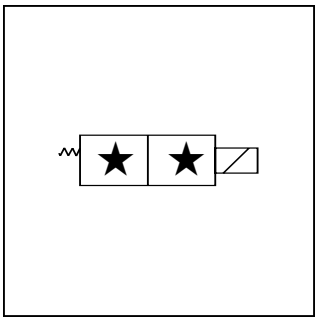
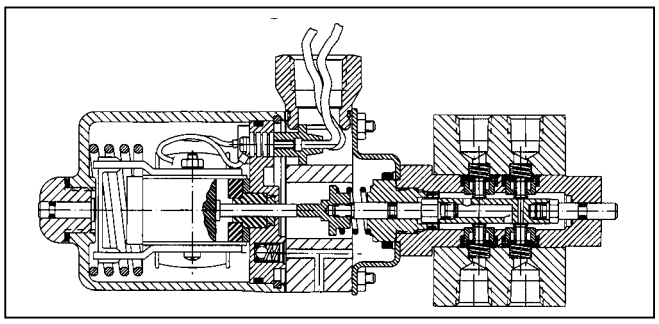
General Description

Series 21400 Exectrol directional control valves are in-line mounted, solenoid operated 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

- Zero leakage (1 drop per min. per pressure port).
- Available two-position operating types are: 2-way normally open; 2-way normally closed; 3-way and 4-way.
- Standard valves are interflow.
- Shear-type positive seal.

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A.C. Electrical Data	
Inrush Current	4.2 Amps Maximum
Holding Current	.85 Amps Maximum
Drop-Out Voltage	Approx. 75% Rated Voltage
Voltage Required to Pull Back After Drop-Out	Approx. 95% Rated Voltage

Specifications

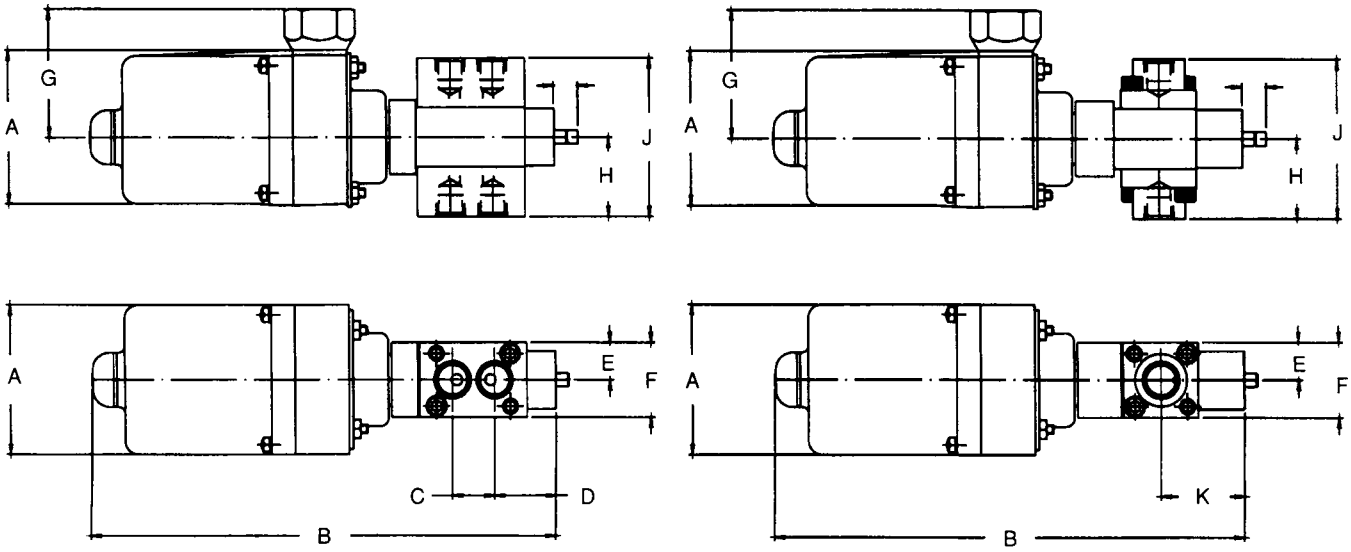
Service App.	Lubricated air and hydraulic oil
Maximum Operating Pressure	Working - Air: 69.0 Bar (1000 PSI) Oil: 414.0 Bar (6000 PSI) Proof: Air: 138.0 Bar (2000 PSI) Oil: 621.0 Bar (9000 PSI) Burst: Air: 172.5 Bar (2500 PSI) Oil: 1035.0 Bar (15,000 PSI)
Maximum Outlet Port Back Pressure	103.5 Bar (1500 PSI)
Maximum Flow Capacity	11.4 LPM (3 GPM)
Operating Time	25 milliseconds
Sizes	NPT 1/48", 3/8" (except 4-way)
Ports	NPT Pipe Threads AND10053
CV Factor	0.28
Internal Leakage	Maximum at rated pressure: Oil - 1 DPM maximum per pressurized port Air - 15 bubbles/min
Mounting	In-line
Material	Body: Aluminum alloy, anodized Slide, Seals: Stainless steel, type 440 O-rings: Synthetic rubber Back-up Rings: PTFE
Operating Temperature	-54°C to +71°C (-65°F to +160°F) Higher on special order.
Ambient Temperature	43°C (110°F) maximum recommended

Ordering Information

214	52	-00	02	-02	00
Catalog Number	**Size & Type Ports**	**Power Source**	**Operating Type**	**O-Ring Code**	**Service**
214 Direct-Acting Solenoid Valve	**52** 1/4 NPT	**56** 24V/D.C.	**02** = 2-Way, Normally Open	**02** Commercial Buna N	**00** Hydraulic
	53 3/8 NPT 2-Way Only	**70** Hydraulic Or Air Pilot Operated	**03** = 2-Way, Normally Closed	**28** Nitrile	**01** Air
		73 115V/60C A.C.	**14** = 3-Way, Normally Closed	**52** Fluorocarbon A	
			19 = 3-Way, Normally Open		
			05 = 4-Way, 2 Position		

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Dimensions



Valve Operator	All Dimensions are in Inches									
	A	B	C	D	E	F	G	H	J	K
A.C. Solenoid	$2\frac{3}{4}$	$8\frac{7}{16}$	$\frac{25}{32}$	$1\frac{5}{32}$	$\frac{11}{16}$	$1\frac{3}{8}$	$2\frac{3}{8}$	$1\frac{29}{64}$	$2\frac{29}{32}$	$1\frac{17}{32}$
D.C. Solenoid	$2\frac{3}{4}$	$10\frac{1}{8}$	$\frac{25}{32}$	$1\frac{5}{32}$	$\frac{11}{16}$	$1\frac{3}{8}$	$2\frac{3}{8}$	$1\frac{29}{64}$	$2\frac{29}{32}$	$1\frac{17}{32}$
Air - Oil Operator	$2\frac{3}{4}$	$6\frac{13}{16}$	$\frac{25}{32}$	$1\frac{5}{32}$	$\frac{11}{16}$	$1\frac{3}{8}$	—	$1\frac{29}{64}$	$2\frac{29}{32}$	$1\frac{17}{32}$