



# S701 / S702 Directional Control Valve - 2-Way, 2-Position Poppet

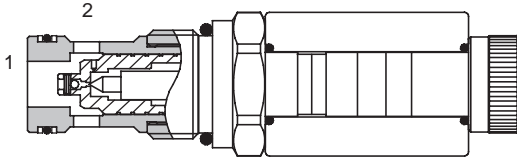
100 litres/min (26 US GPM) • 210 bar (3000 PSI)

## S701

**NORMALLY OPEN**  
(as shown)

## S702

**NORMALLY CLOSED**



## COIL INFORMATION

(See Page 11-1021)

Part Number: C16-\*/\*/19

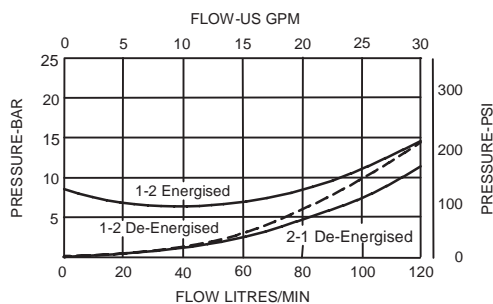
Voltage available: 12, 24 VDC  
110, 220 VAC\*

\* AC coils must be used with a rectifying connector.

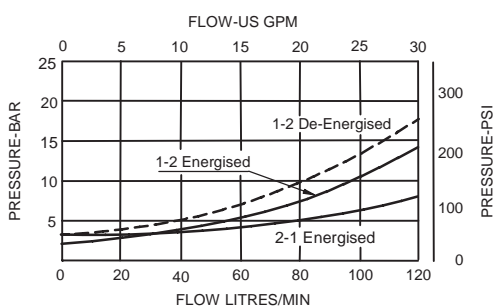
## PRESSURE DROP v's FLOW

Viscosity = 32 cSt (150 SSU)

### S701 (Normally Open)



### S702 (Normally Closed)



## FEATURES

- High flow capacity with reduced space requirements.
- No dynamic seals.
- Standard valve bodies and common cavities.
- One-piece encapsulated coil with minimal amperage draw.
- Oil immersed armature solenoid.
- Various coil terminals and voltages.
- Coil interchangeability with all Series S5 valves.
- Manual override, seal variations and other options available.
- Sealed coil arrangement to protect stem from corrosion.
- Reversible coil without affecting performance.

## SPECIFICATIONS

Basic Model Code	S701 (N.O.)	S702 (N.C.)
Symbol		
Max. Pressure	210 bar (3000 psi)	
Flow Rating	100 litres/min (26 US GPM)	
Nominal flow (at Delta P = 5 bar (70 psi))	80 litres/min (20 US GPM)	
Internal Leakage	0.6 ml/min (10 dpm) 210 bar differential at 32 centistokes	
Temperature Range	-20 to +120°C (-4 à +248°F)	
Nominal Viscosity Range	15 to 250 centistokes	
Recommended Filtration	BS5540/4 18/13 (25 micron or better)	
Fluid	Compatible with most general purpose hydraulic fluids	
Seal Material	Standard nitrile with PTFE back up rings	
Seal Kit Number	SK1207(Nitrile)	SK1207V (Viton)
Mounting Position	Unrestricted	
Cartridge Weight	0.3 kg (0.6 lbs)	
Coil Weight	0.3 kg (0.6 lbs)	
Cavity Number	A21473	
Torque into Cavity	60 Nm (44 lbs ft)	
Electrical Data	See coil data sheet	
Line Body Material	Aluminium Alloy	

## Integrated Hydraulics Ltd

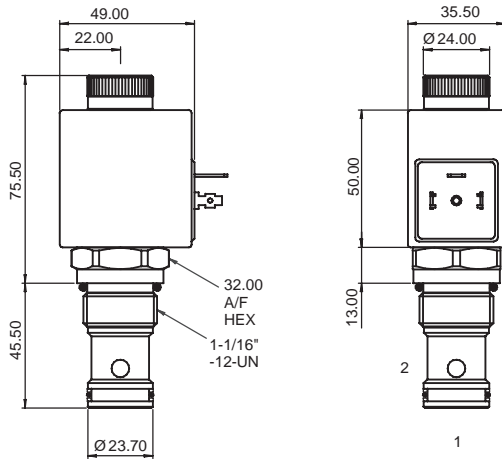
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## Integrated Hydraulics Inc

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### CARTRIDGE ONLY

**BASIC CODE: S701 (Normally Open)**

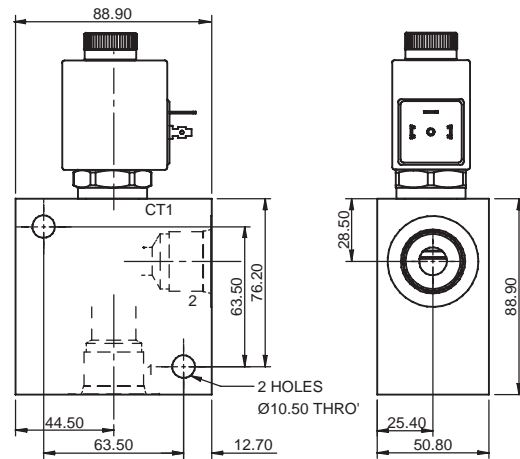


### COMPLETE VALVE 3/4" PORTS

**BASIC CODE: S701 (Normally Open)**

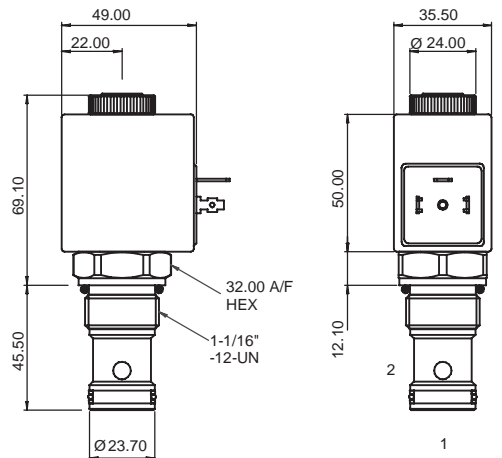
Body ONLY part numbers

BSP, aluminium 3/4" B22258	SAE, aluminium 3/4" B22260	BSP, steel 3/4" B22262	SAE, steel 3/4" B22264
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### CARTRIDGE ONLY

**BASIC CODE: S702 (Normally Closed)**

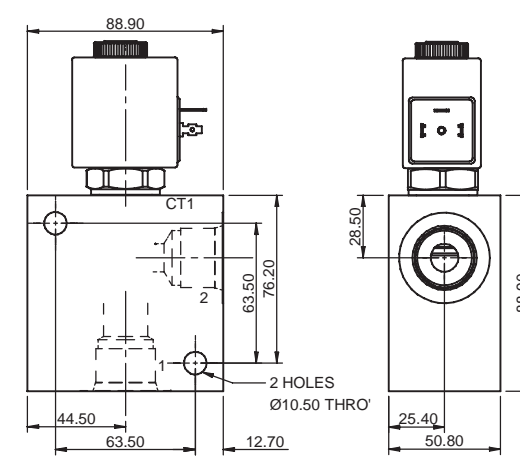


### COMPLETE VALVE 3/4" PORTS

**BASIC CODE: S702 (Normally Closed)**

Body ONLY part numbers

BSP, aluminium 3/4" B22258	SAE, aluminium 3/4" B22260	BSP, steel 3/4" B22262	SAE, steel 3/4" B22264
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Where measurements are critical request certified drawings

### ORDERING CODE EXAMPLE

**S701 N H 24 6W**

**Basic Code**

**S701** = (normally open)  
**S702** = (normally closed)

**Seals**

**N** = Nitrile  
**V** = Viton

**Manual Override (consult factory for availability)**

**1** = Push and twist (S702 Only)  
**2** = Screw (S701 & S702)

**Port Sizes**

**6W** = 3/4" BSP      **12T** = 3/4" SAE

**Voltage**

**12** = 12 VDC      **110** = 110 VAC  
**24** = 24 VDC      **220** = 220 VAC

**Coil Termination**

**H** = DIN43650  
**F** = Flying Leads  
**DM** = Deutsch Moulded

Other terminations available on request

We reserve the right to change specifications without notice