

# 4/2 Directional Solenoid Valves

- **PORT SIZE: 1/8" & 1/4"**
- **SOLENOID PILOT OPERATED**
- **UP TO 150 PSI (10 BAR) OPERATING PRESSURE**
- **SPOOL WITH PRESSURE ENERGIZED SOFT SEALS**

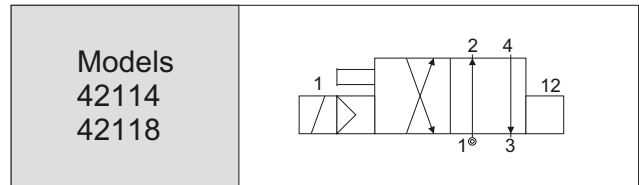
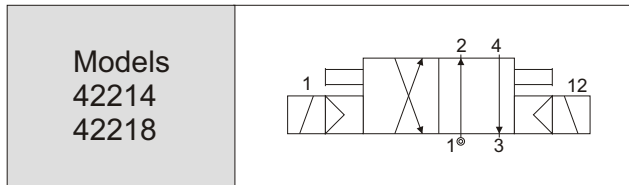


## DESCRIPTION

Indumart 4-port, 2-position Directional Solenoid Valves are suitable for controlling compressed air flow into cylinders or actuators. Flow direction is determined and the temperature of air may vary between -10 and + 60°C (14 to 140°F).

Due to the T-ring system, the valve is compact, easy to service, uncomplicated and yet the most efficient design available. Manual override is standard.

The Indumart Directional Solenoid Valves are the top choice for multi-port control valve applications, due to their robust aluminum body, integrated sound absorption system which eliminates objectionable air noise, and their straight thru flow paths; assuring high flow rates and fast response time.



		Dimensions (mm)				
Model		a	b	c		
42114	Models 42214 & 42218	152	83	30	Models 42114 42118	
42118		132	69	25		
42214		227	83	30		
42218		210	69	25		

Model	Port Size	Nominal Size (mm)	Flow Rate QN (l/min)	Operating Pressure psi (bar)		Switching Time (ms)		Weight (kg)	Solenoid		
				min	max	ON	OFF		Please specify one of following solenoid models in your order.		
42118	1/8"	4	700	15 (1)	150 (10)	20	20	0.30	Model	Voltage	
42114	1/4"	7	1900	15 (1)	150 (10)	24	27	0.39	2D012	12 VDC / 24 VAC	
42218	1/8"	4	700	15 (1)	150 (10)	11	12	0.40	2D024	24 VDC / 48 VAC	
42214	1/4"	7	1900	15 (1)	150 (10)	24	27	0.62	2D060	60 VDC / 110 VAC	
									2D110	110 VDC / 220 VAC	
									Power Consumption:		
									DC <sup>1)</sup>	AC	50/60 Hz
									4.5W	4.6/3.5 VA	
									Ambient Temperature: -15...+50°C		
									Max. Temperature Sum: 100°C <sup>2)</sup>		
									Degree of Protection: IP65		

1) 24 VDC solenoid with 1.9 W power consumption is also available as option. Maximum pressure will change to 120 psi (8 bar).  
2) Refers to the sum of fluid temperature and ambient temperature which must not be exceeded.