

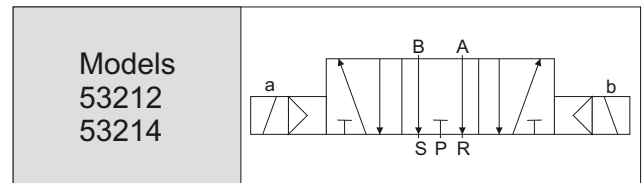
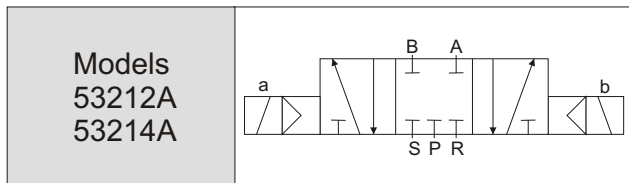
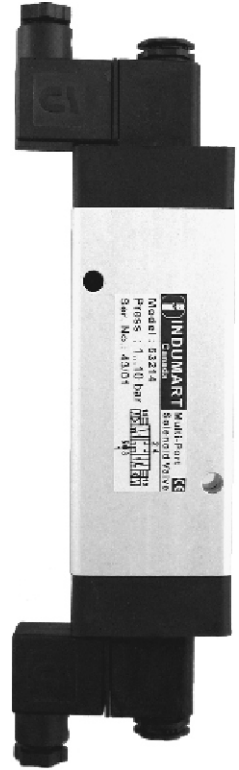
- **PORT SIZE: 1/4" & 1/2"**
- **SOLENOID PILOT OPERATED**
- **UP TO 150 PSI (10 BAR) OPERATING PRESSURE**
- **SPOOL WITH PRESSURE ENERGIZED SOFT SEALS**

Description

Indumart 5-port, 3-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
	53212	325	83	40
	53214	272	83	30
	53212A	325	83	40
	53214A	272	83	30

Model	Port Size	Nominal Size (mm)	Flow Rate QN (l/min)	Operating Pressure psi (bar)		Approximate Switching Time (ms)	Weight (kg)	Solenoid	
				min	max			Model	Voltage
53214	1/4"	7	900	15 (1)	150 (10)	30	1.0	2D012 2D024 2D060 2D110	12 VDC / 24 VAC 24 VDC / 48 VAC 60 VDC / 110 VAC 110 VDC / 220 VAC
53212	1/2"	12	2000	15 (1)	150 (10)	55	1.6	Power Consumption: DC ¹⁾ AC [50/60 Hz] 4.5W 4.6/3.5 VA	
53214A	1/4"	7	900	15 (1)	150 (10)	30	1.0	Ambient Temperature: -15...+50°C Max. Temperature Sum: 100°C ²⁾ Degree of Protection: IP65	
53212A	1/2"	12	2000	15 (1)	150 (10)	55	1.6		

1) 24 VDC solenoid with 1.9W power consumption is also available for 1/4" port size valves only.

2) Refers to the sum of fluid temperature and ambient temperature which must not be exceeded.



5/2 Directional Solenoid Valves

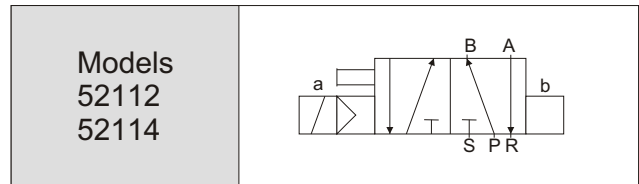
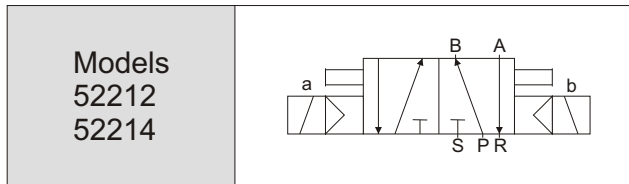
- **PORT SIZE: 1/4" & 1/2"**
- **SOLENOID PILOT OPERATED**
- **UP TO 150 PSI (10 BAR) OPERATING PRESSURE**
- **SPOOL WITH PRESSURE ENERGIZED SOFT SEALS**

DESCRIPTION

Indumart 5-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.



Models 52212 & 52214		Dimensions (mm)			Models 52112 52114		
Model	a	b	c	Model	a	b	c
52112	190	83	35	52112	190	83	35
52114	157	83	30	52114	157	83	30
52212	260	83	35				
52214	251	83	30				

Model	Port Size	Nominal Size (mm)	Flow Rate QN (l/min)	Operating Pressure psi (bar)		Approximate Switching Time (ms)	Weight (kg)	Solenoid	
				min	max			Model	Voltage
52114	1/4"	7	1200	15 (1)	150 (10)	20	0.55	2D012 2D024 2D060 2D110	12 VDC / 24 VAC 24 VDC / 48 VAC 60 VDC / 110 VAC 110 VDC / 220 VAC
52112	1/2"	12	3000	15 (1)	150 (10)	25	0.83	Power Consumption: DC ¹⁾ AC [50/60 Hz] 4.5W 4.6/3.5 VA	
52214	1/4"	7	1200	15 (1)	150 (10)	15	0.90	Ambient Temperature: -15...+50°C Max. Temperature Sum: 100°C ²⁾ Degree of Protection: IP65	
52212	1/2"	12	3000	15 (1)	150 (10)	20	1.30		

1) 24 VDC solenoid with 1.9W 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.

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

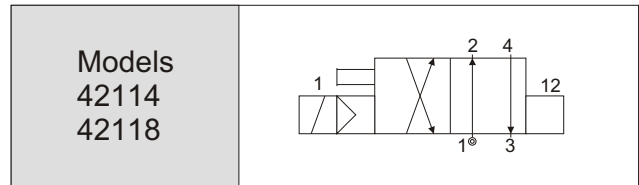
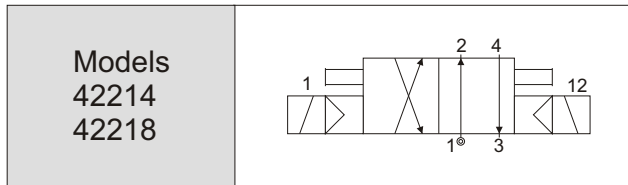


DESCRIPTION

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		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	<table border="1"> <tr> <th>Model</th> <th>Voltage</th> </tr> <tr> <td>2D012</td> <td>12 VDC / 24 VAC</td> </tr> <tr> <td>2D024</td> <td>24 VDC / 48 VAC</td> </tr> <tr> <td>2D060</td> <td>60 VDC / 110 VAC</td> </tr> <tr> <td>2D110</td> <td>110 VDC / 220 VAC</td> </tr> </table>	Model	Voltage	2D012	12 VDC / 24 VAC	2D024	24 VDC / 48 VAC	2D060	60 VDC / 110 VAC	2D110	110 VDC / 220 VAC
Model	Voltage																		
2D012	12 VDC / 24 VAC																		
2D024	24 VDC / 48 VAC																		
2D060	60 VDC / 110 VAC																		
2D110	110 VDC / 220 VAC																		
42114	1/4"	7	1900	15 (1)	150 (10)	24	27	0.39	Power Consumption: DC ¹⁾ AC [50/60 Hz] 4.5W 4.6/3.5 VA										
42218	1/8"	4	700	15 (1)	150 (10)	11	12	0.40											
42214	1/4"	7	1900	15 (1)	150 (10)	24	27	0.62											

Ambient Temperature: -15...+50°C
Max. Temperature Sum: 100°C²⁾
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.