

ANTENNA VALVE

DP Series

Cat No DP0 - 01 - 01 - A

3 / 2 ANTENNA VALVE - NO & NC - M5 & G1/8

Features

- ☐ Mechanically actuated valves
- ☐ Electronic controller and Programming effort not required
- ☐ Operator user friendly - easy to adjust and connect
- ☐ External control direct acting type
- ☐ Size: 1/8 & M5 - 3/2 NO & NC
- ☐ Basic valve and Rod lever valve
- ☐ Poppet seating arrangement
- ☐ Nil exhaust overlap



Function

Mechanically actuated valves are used as "signal valves" and it provides a pneumatic signal to the controller. Signal is realized via a stem actuated valve or roller actuated valve. It is used in smaller machines and conveying systems, E.g.. for controlling simple clamping and locking operations in semi-automated assembly and production.

Technical Specifications

Model	DP	
Type	3/2 NO & NC	
Design	Poppet Type	
Port Size	Inlet, Outlet, Exhaust - G1/8	Inlet, Outlet, Exhaust - M5
Medium	Compressed air - Filtered - Lubricated	
Orifice (NW) mm	4	
Working Pressure range bar	1 to 8	
Recommended oil for lubrication	ISO VG32 (Servo system 32)	
Ambient temperature C	-10° to +60°	
Medium temperature C	+5° to +50°	
Flow @ lpm	NC - 240; NO - 170	NC - 110; NO - 110
Materials of construction	Aluminium, Stainless Steel, Steel, Brass, Polyacetal, Nitrile	
Actuating force N	28	
Weight Kg	0.2	

@ - Inlet pressure 6 bar, and pressure drop 1 bar

3 / 2 Antenna valve - NC & NO Symbol

3 / 2 Antenna Rod lever valve - NC & NO Symbol

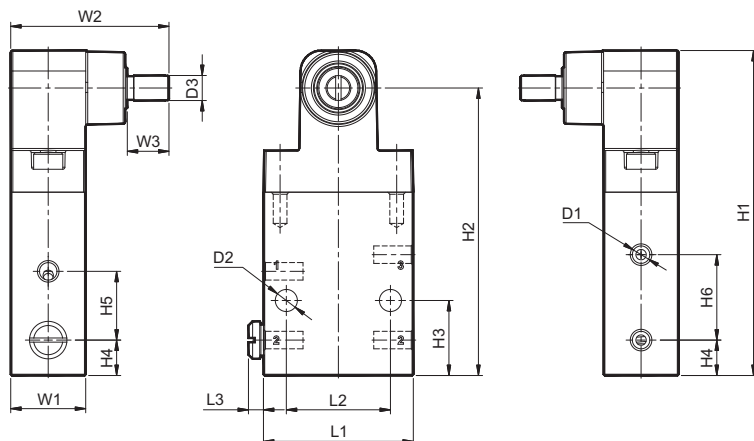
	Valve opens/closes when antenna rod actuates both side	Valve opens/closes when antenna rod actuates right side	Valve opens/closes when antenna rod actuates left side
NC Inlet - 1 Outlet - 2 Exhaust - 3			
NO Inlet - 3 Outlet - 2 Exhaust - 1			

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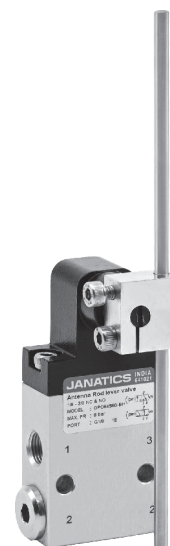
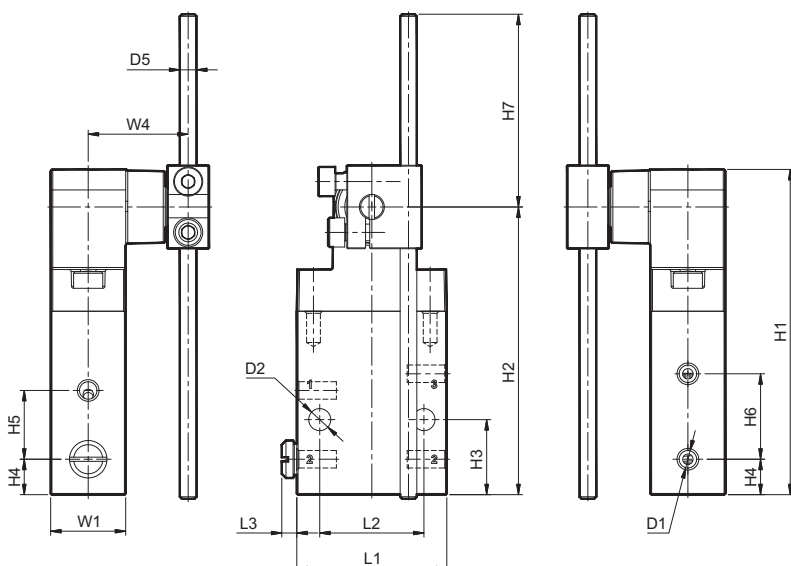
3 / 2 Basic Antenna valve - NC & NO



Ordering No.	Valve opens/closes when antenna rod actuates both side	Valve opens/closes when antenna rod actuates right side	Valve opens/closes when antenna rod actuates left side
M5	DP064O70-BH	DP064O70-RH	DP064O70-LH
G1/8	DP064O60-BH	DP064O60-RH	DP064O60-LH

Size	L1	L2	L3	W1	W2	W3	W4	W5	H1	H2	H3	H4	H5	H6	H7	D1	D2	D3	D4	D5
M5	36	25	3.6	18	38	10	-	-	78	69	18	8.5	16.5	20.5	-	M5	5.3	Ø6	-	-
1/8	36	25	3.3	18	38	10	-	-	78	69	18	8.5	18.5	-	-	G1/8	5.3	Ø6	-	-

3 / 2 Antenna Rod lever valve - NC & NO



Ordering No.	Valve opens/closes when antenna rod actuates both side	Valve opens/closes when antenna rod actuates right side	Valve opens/closes when antenna rod actuates left side
M5	DP064S70-BH	DP064S70-RH	DP064S70-LH
G1/8	DP064S60-BH	DP064S60-RH	DP064S60-LH

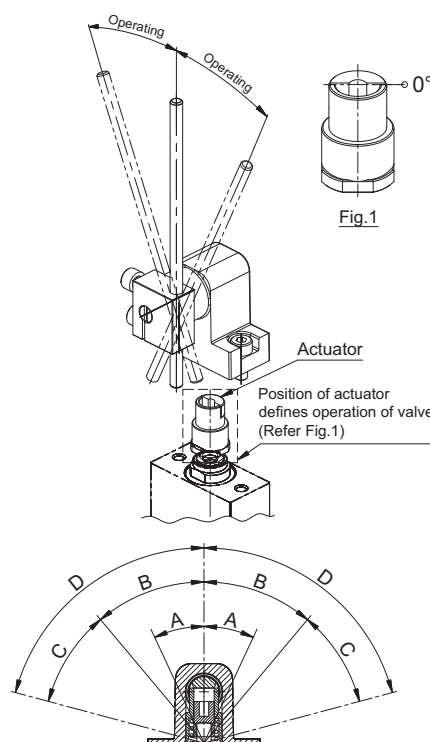
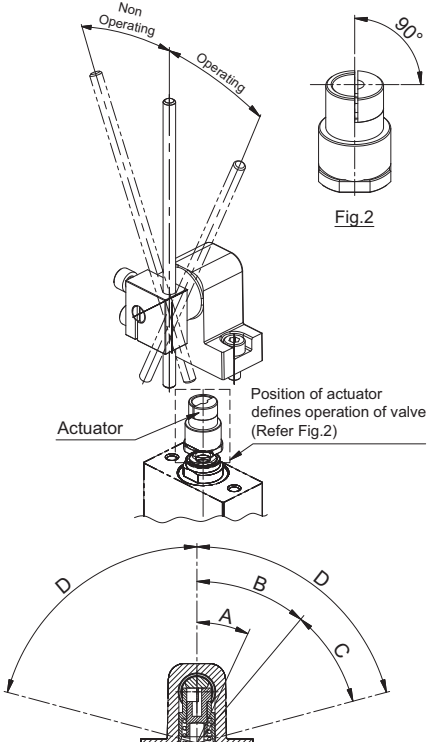
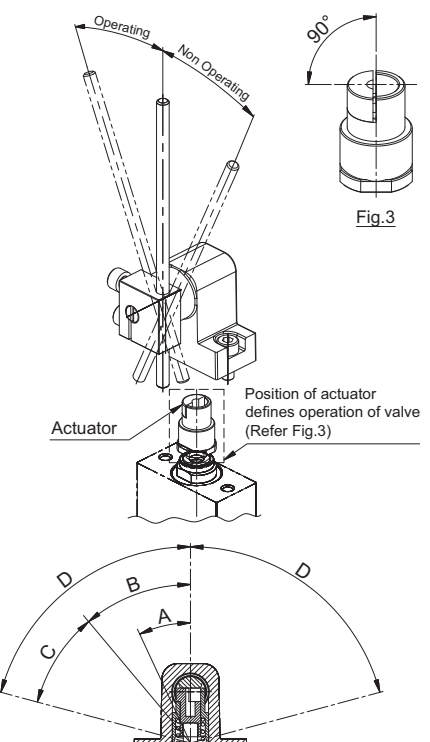
Size	L1	L2	L3	W1	W2	W3	W4	W5	H1	H2	H3	H4	H5	H6	H7	D1	D2	D3	D4	D5
M5	36	25	3.6	18	-	-	24	-	78	69	18	8.5	16.5	20.5	30~140	M5	5.3	-	-	Ø4
1/8	36	25	3.3	18	-	-	24	-	78	69	18	8.5	18.5	-	30~140	G1/8	5.3	-	-	Ø4

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Actuation

Model: BH (Both side actuation)	Model: RH (Right side actuation)	Model: LH (Left side actuation)
Operation - Valve opens / closes when actuated both side	Operation - Valve opens / closes when actuated right side	Operation - Valve opens / closes when actuated left side
 Fig.1 Actuator Position of actuator defines operation of valve (Refer Fig.1)	 Fig.2 Actuator Position of actuator defines operation of valve (Refer Fig.2)	 Fig.3 Actuator Position of actuator defines operation of valve (Refer Fig.3)

Start of opening (NC)	A	25° ±8°
Start of closing (NO)	A	25° ±8°
Opening angle	B	35° ~ 45°
Over travel angle	C	35° ~ 50°
Travel angle	D	75° ~ 90°

How to order

While ordering Antenna valve, mention the ordering number given in the corresponding tables.