

Function	Port size	Flow [Max]	Individual mounting	Series
5/2, 53	G1/4" – G3/8"	1500 NI/min	Inline – Double operator	83

OPERATIONAL BENEFITS

1. The 4-way pilot develops maximum shifting forces both ways
2. Memory spring available
3. Balanced spool, immune to variations of pressure, also provides high flow
4. Short stroke with high flow
5. Bonded spool with minimum friction, shifting in a glass-like finished bore
6. Pilot with balanced poppet, high flow, short and consistent response times.
7. Wiping effect eliminates sticking
8. Long service life



HOW TO ORDER

SINGLE PRESSURE MODELS

Port size	Pilot air	5/2 Double operator	5/3 Closed centre	5/3 Open centre
G1/4"	Internal	83A-BAC- <i>xx-xxxx-xxx</i>	83A-EAC- <i>xx-xxxx-xxx</i>	83A-FAC- <i>xx-xxxx-xxx</i>
	External 14 End	83A-BDC- <i>xx-xxxx-xxx</i>	83A-EDC- <i>xx-xxxx-xxx</i>	83A-FDC- <i>xx-xxxx-xxx</i>
	External 12 End	83A-BEC- <i>xx-xxxx-xxx</i>	83A-EEC- <i>xx-xxxx-xxx</i>	83A-FEC- <i>xx-xxxx-xxx</i>
G3/8"	Internal	83A-BAD- <i>xx-xxxx-xxx</i>	83A-EAD- <i>xx-xxxx-xxx</i>	83A-FAD- <i>xx-xxxx-xxx</i>
	External 14 End	83A-BDD- <i>xx-xxxx-xxx</i>	83A-EDD- <i>xx-xxxx-xxx</i>	83A-FDD- <i>xx-xxxx-xxx</i>
	External 12 End	83A-BED- <i>xx-xxxx-xxx</i>	83A-EED- <i>xx-xxxx-xxx</i>	83A-FED- <i>xx-xxxx-xxx</i>

DUAL PRESSURE MODELS

Port size	Pilot	5/2 Double operator	5/3 Pressure centre
G1/4"	Internal Port 5	83A-DBC- <i>xx-xxxx-xxx</i>	83A-GBC- <i>xx-xxxx-xxx</i>
	External 14 End	83A-DDC- <i>xx-xxxx-xxx</i>	83A-GDC- <i>xx-xxxx-xxx</i>
	External 12 End	83A-DEC- <i>xx-xxxx-xxx</i>	83A-GEC- <i>xx-xxxx-xxx</i>
G3/8"	Internal Port 5	83A-DBD- <i>xx-xxxx-xxx</i>	83A-GBD- <i>xx-xxxx-xxx</i>
	External 14 End	83A-DDD- <i>xx-xxxx-xxx</i>	83A-GDD- <i>xx-xxxx-xxx</i>
	External 12 End	83A-DED- <i>xx-xxxx-xxx</i>	83A-GED- <i>xx-xxxx-xxx</i>

SOLENOID OPERATORS >

TM - D *XX X - X XX*

<i>XX</i> Voltage	<i>X</i> Wire length	<i>X</i> Manual operator	<i>XX</i> Electrical connection
<i>AA</i> 110V~/50Hz	<i>A</i> 45 cm	<i>1</i> Recessed non locking	<i>BA</i> Flying leads
<i>FB</i> 24V~/1.8W	<i>B</i> 60 cm	<i>2</i> Recessed locking	<i>KA</i> Square connector
<i>DA</i> 24V~/5.4W	<i>J*</i> 15 cm		<i>KD</i> Square connector with light
	*For use with "J" & "K" type connectors		<i>JB</i> Rectangular connector
			<i>JD</i> Rect. connector with light

RM - R *XX X - X XX*

<i>XX</i> Voltage	<i>X</i> Wire length	<i>X</i> Manual operator	<i>XX</i> Electrical connection
<i>DA</i> 24V~/0.5W	<i>A</i> 45 cm	<i>0</i> No operator	<i>BA</i> Flying leads
<i>DB</i> 24V~/1.0W	<i>B</i> 60 cm	<i>1</i> Recessed non locking	<i>RA</i> Mini JAC solenoid plug-in
<i>DC</i> 24V~/1.8W	<i>C</i> 90 cm	<i>3</i> Extended non locking	<i>RB</i> Mini JAC solenoid plug-in with LED
<i>DG</i> 12V~/0.5W			<i>TA</i> JST solenoid plug-in
<i>DH</i> 12V~/1.0W			<i>TB</i> JST solenoid plug-in with LED
<i>DJ</i> 12V~/1.8W			

TECHNICAL DATA

Fluids:	Compressed air, inert gases
Pressure range:	Internal pilot : 1,3 to 8 bar (2 pos.) – 2 to 8 bar (3 pos.) External pilot : Vacuum to 8 bar
Pilot signal:	1,3 to 8 bar 2 to 8 bar (3 position)
Lubrication:	Not required. If used select a medium aniline point lubricant (between 80°C and 100°C)
Filtration:	40µ
Temperature range:	-18°C to +50°C
Flow (at 6 bar ΔP=1bar)	2-position: 1500 NI/min (Cv 1.5) - 3-position: 1100 NI/min (Cv 1.1)
Coil:	Epoxy encapsulated - Class A wires – 100% ED
Voltage range:	-15% à +10%
Power:	5.4 W – 0.5 W

Options: NPTF threads

DIMENSIONS

