

Function	Port size	Flow [Max]	Individual mounting	Series
5/2	G1/4" – G3/8"	1500 NI/min	Inline - Single 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

Port size	Pilot air	Single pressure	Dual pressure
G1/4"	Internal	83A-AAC- <i>xx-xxxx-xxx</i>	83A-CBC- <i>xx-xxxx-xxx</i>
	External 14 End	83A-ADC- <i>xx-xxxx-xxx</i>	83A-CDC- <i>xx-xxxx-xxx</i>
	External 12 End	83A-AEC- <i>xx-xxxx-xxx</i>	83A-CEC- <i>xx-xxxx-xxx</i>
G3/8"	Internal	83A-AAD- <i>xx-xxxx-xxx</i>	83A-CBD- <i>xx-xxxx-xxx</i>
	External 14 End	83A-ADD- <i>xx-xxxx-xxx</i>	83A-CDD- <i>xx-xxxx-xxx</i>
	External 12 End	83A-AED- <i>xx-xxxx-xxx</i>	83A-CED- <i>xx-xxxx-xxx</i>

SOLENOID OPERATORS >

DM - 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>JA</i> 110V~/50 Hz (2.9W)	<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

GM - G *XX X* - *X XX*

<i>XX</i> Voltage	<i>X</i> Wire length	<i>X</i> Manual operator	<i>XX</i> Electrical connection
<i>DC</i> 24V~/1.8W	<i>A</i> 45 cm	<i>1</i> Recessed non locking	<i>BA</i> Flying leads
<i>DD</i> 24V~/2.5W	<i>B</i> 60 cm	<i>2</i> Recessed locking	<i>KA</i> Solenoid plug-in wire assy
<i>DF</i> 24V~/4.0W	<i>C</i> 90 cm		<i>GA</i> MAC JAC solenoid plug-in wire assembly

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>DC</i> 24V~/1.8W	<i>A</i> 45 cm	<i>1</i> Recessed non locking	<i>BA</i> Flying leads
<i>DD</i> 24V~/2.5W	<i>B</i> 60 cm	<i>3</i> Extended non-locking	<i>RA</i> Mini JAC sol. Plug-in
<i>DF</i> 24V~/4.0W	<i>C</i> 90 cm		<i>RB</i> Mini JAC sol. Plug-in with LED
<i>DJ</i> 12V~/1.8W			<i>TA</i> JST solenoid plug-in

OPTIONS

Spool type

83A-*X* *xx-xx-xxxx-xxx*

- M** Single operator – single pressure with memory spring
- N** Single operator – dual pressure with memory spring

TECHNICAL DATA

Fluids:	Compressed air, inert gases
Pressure range:	Internal pilot : 1,3 to 8 bar External pilot : vacuum to 8 bar
Pilot signal:	1,3 to 8 bar 2,3 to 8 bar for memory spring
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):	1500 NI/min
Coil:	Epoxy encapsulated - Class A wires – 100% ED
Voltage range:	-15% à +10%
Power:	5.4 W – 1.8 W

Options: NPTF threads

DIMENSIONS

