

Function	Port size	Flow (Max)	Individual Mounting	Series
5/2	M5	100 NI/min	Inline	

OPERATIONAL BENEFITS

1. 10 mm valve, direct solenoid operated.
2. Balanced poppet, immune to variations of pressure.
3. Short stroke with high flow.
4. The patented solenoid develops high shifting forces.
5. Powerful return spring.
6. Flow is specifically adjusted on each valve.
7. Manual operator standard on all valves.



HOW TO ORDER

Port size	Model number	Model number For use with external flow controls
M5	44C-ABA-G XXX-XXX	44C-BBA-G XXX-XXX

LATCHING SOLENOID

Port size	Model number	Model number For use with external flow controls
M5	44B-ABA-L XXX-XXX	44B-BBA-L XXX-XXX

SOLENOID OPERATOR >

G XXX-XXX *

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
DA 24 V=1W	A 45 cm	1 Non-locking	BA Flying leads
DC 24 V=1,8W	B 60 cm	2 Locking	BT Flying leads with light
DD 24 V=2,5W			GA MAC JAC Solenoid plug-in
DF 24 V=4,0W			KA Mini connector
			KT Mini connector with light

* Other options available, see page 387.

LATCHING SOLENOID >

L XXX-XXX *

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
DF 24 V=4,0W	A 45 cm	0 No operator	BA 2 Wire flying leads
HA 24 V=1,95W	B 60 cm		BJ 4 Wire flying leads
	C 90 cm		KA 2 Wire plug-in assembly
			KE 4 Wire plug-in assembly
			LA 3 Wire plug-in assembly (Polarity switching cover)

* Other options available, see page 395.

TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 8 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
Filtration :	40 µ
Temperature range :	-18°C to +50°C
Orifice :	1,8 mm
Flow (at 6 bar, $\Delta P=1\text{bar}$) :	4 W : 100 Nl/min (Cv 0,10) – 2,5 W : 80 Nl/min (Cv 0,08) – 1,8 W : 60 Nl/min (Cv 0,06) – 1,0W : 50 Nl/min (Cv 0,05)
Coil :	Epoxy encapsulated – Class A wires – 100% ED
Voltage range :	-15% to +10% of nominal voltage
Protection :	IP54 (electrical connection)
Power :	4 W – 2,5 W – 1,8 W – 1,0 W
Response times : (with 4 W coil)	Energize : 3,4 ms De-energize : 1,5 ms

Note :

- Valve and coil are not interchangeable.

DIMENSIONS

Dimensions shown are metric (mm)

