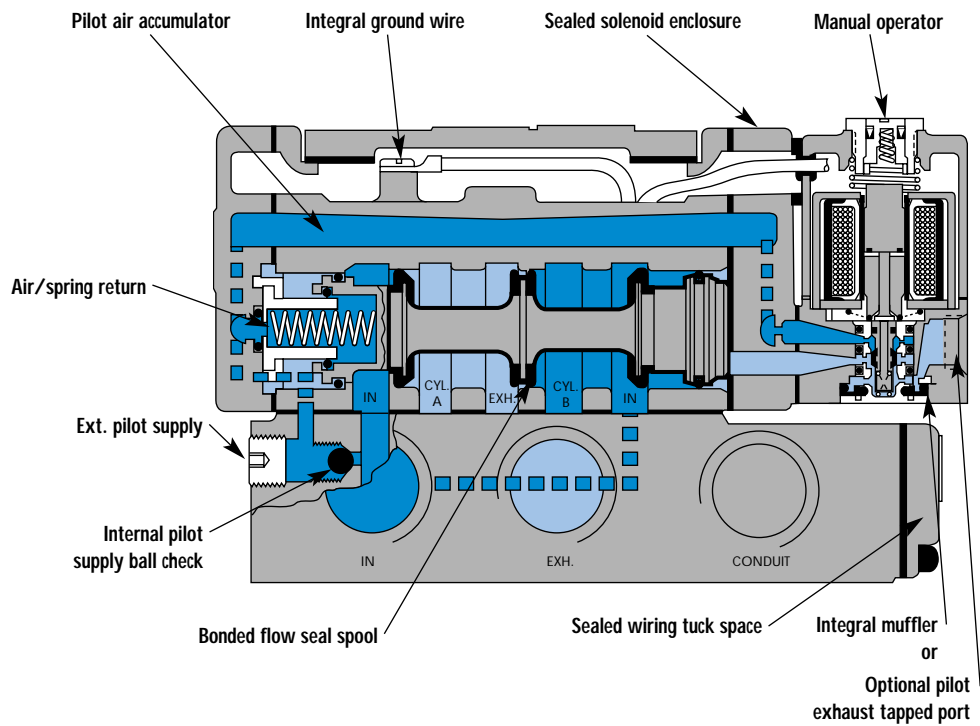


Individual mounting

sub-base non "plug-in"	sub-base "plug-in"
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Manifold mounting

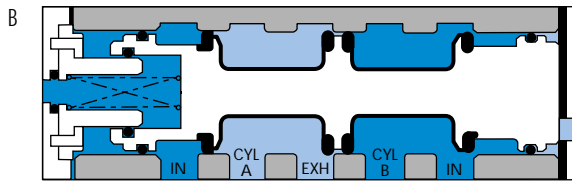
sub-base non "plug-in"	sub-base "plug-in"
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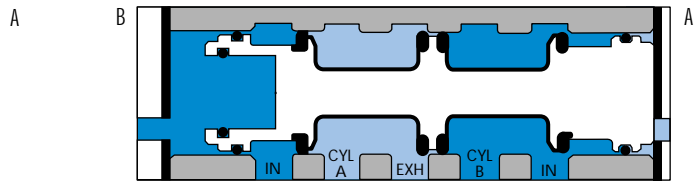
SERIES FEATURES

- The patented MACSOLENOID® with its non-burn out feature on AC service.
- A large checked accumulator for consistent shifting on single and double solenoid models.
- A plug-in design that provides for internal or external pilot with or without lights and all electrical and air plumbing in the base — the valve portion is the same.
- Non-lubricated or lubricated service.
- Optional low wattage DC solenoids down to 1 watt.
- Optional indicator lights, and various types of manual operators.
- Non plug-in or external plug-in models are available.

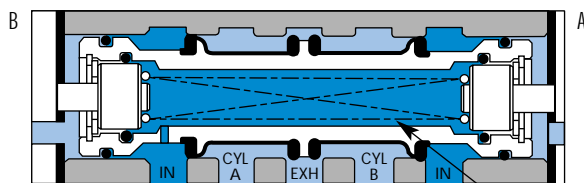
SPOOL CONFIGURATIONS



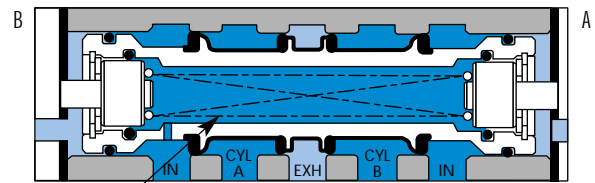
2 POS. SINGLE OPERATOR SPRING RETURN
B ACTUATED SHOWN



2 POS. DOUBLE OPERATOR
B ACTUATED SHOWN

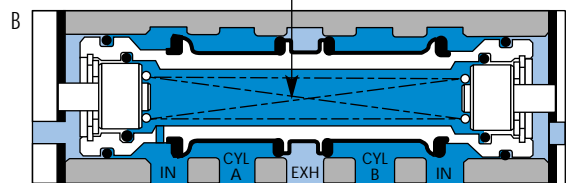


3 POS. OPEN CENTER
CENTER POSITION SHOWN



3 POS. CLOSED CENTER
CENTER POSITION SHOWN

AIR/SPRING
CENTERING



3 POS. PRESSURE CENTER
CENTER POSITION SHOWN

VALVE CONFIGURATIONS AVAILABLE

The versatile 6500 Series provides high flow, extremely fast response, and long life in a compact package and is available in the following configurations:

- 2-Pos., single or double operators (solenoid or remote air).
- 3-Pos., double operator-Closed Center, Open Center or Pressure Center (solenoid or remote air).
- Single pressure or dual pressure.
- Individual base or add-a-unit manifold base.
- Internal pilot or for Vacuum to 25 PSI main valve pressures, external pilot.
- Manual and mechanical operators available.

REMOTE AIR PILOT OPERATED VALVES

- A large checked accumulator for air/spring return on single remote air models.
- All piping connections, including the remote air pilot supply, in the base.
- Non-lubricated or lubricated service.

REMOTE AIR PILOT, PILOT OPERATED VALVES

These special air versions have the same features as the remote air pilot operated models, but additionally feature:

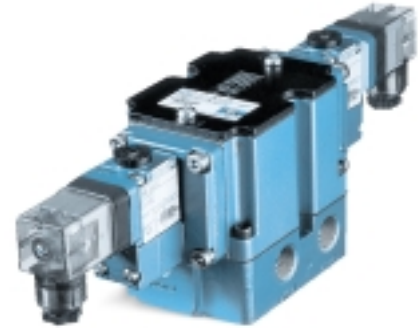
- A manual operator and indicator.
- Remote air signal plug-in with optional integral air junctions in the base.
- Ability to use a pilot signal pressure different from the main valve pressure. Pilot signal can be from 20 to 150 PSIG, regardless of main valve pressure.

ALL MODELS AVAILABLE WITH SANDWICH TYPE REGULATORS

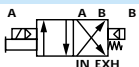
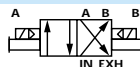
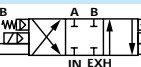
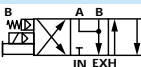

Function	Port size	Flow (Max)	Individual mounting
4/2 - 4/3	3/8" - 1/2" - 3/4"	5.1 C _v	sub-base non "plug-in"

OPERATIONAL BENEFITS

- Balanced spool, immune to variations of pressure.
- Short stroke with high flow.
- High shifting forces.
- Checked accumulator guarantees maximum pilot pressure.
- Powerful return force thanks to the combination of mechanical and air springs.
- Bonded spool with minimum friction, shifting in a glass-like finished bore.
- Wiping effect eliminates sticking.
- Pilot valve with balanced poppet, high flow, short and consistent response times.



HOW TO ORDER

Port size	Pilot air	4/2 Single operator	4/2 Double operator	4/3 Closed center	4/3 Open center	4/3 Pressure center
						
Valve less base		6512B-000-PM- XXYZZ	6522B-000-PM- XXYZZ	6532B-000-PM- XXYZZ	6542B-000-PM- XXYZZ	6552B-000-PM- XXYZZ
sub-base	Internal	6512B-131-PM- XXYZZ	6522B-131-PM- XXYZZ	6532B-131-PM- XXYZZ	6542B-131-PM- XXYZZ	6552B-131-PM- XXYZZ
3/8" NPTF	External	6512B-141-PM- XXYZZ	6522B-141-PM- XXYZZ	6532B-141-PM- XXYZZ	6542B-141-PM- XXYZZ	6552B-141-PM- XXYZZ
sub-base	Internal	6512B-231-PM- XXYZZ	6522B-231-PM- XXYZZ	6532B-231-PM- XXYZZ	6542B-231-PM- XXYZZ	6552B-231-PM- XXYZZ
1/2" NPTF	External	6512B-241-PM- XXYZZ	6522B-241-PM- XXYZZ	6532B-241-PM- XXYZZ	6542B-241-PM- XXYZZ	6552B-241-PM- XXYZZ
sub-base	Internal	6512B-331-PM- XXYZZ	6522B-331-PM- XXYZZ	6532B-331-PM- XXYZZ	6542B-331-PM- XXYZZ	6552B-331-PM- XXYZZ
3/4" NPTF	External	6512B-341-PM- XXYZZ	6522B-341-PM- XXYZZ	6532B-341-PM- XXYZZ	6542B-341-PM- XXYZZ	6552B-341-PM- XXYZZ

Note : Above codes shown are for side ports.

SOLENOID OPERATOR ►

XX Y ZZ

XX	Voltage	Y	Manual operator	ZZ	Electrical connection
11	120/60, 110/50	1	Non-locking	JB	Rectangular connector
12	240/60, 220/50	2	Locking	JD	Rectangular connector with light
22	24/60, 24/50			JA	Square connector
59	24 VDC (2.5 W)			JC	Square connector with light
87	24 VDC (17.1 W)			BA	Flying leads (18")
61	24 VDC (8.5 W)				

Note : Photo shown with JC connector.

OPTIONS

6512B-XXX-PM-**XXYZZ**

- For piped pilot exhaust replace M by P.
- For dual pressure valve, replace by 4.

MODIFICATIONS

MOD. N°	DESCRIPTION	MODEL AVAILABILITY
0002	Bottom inlet, exh. & cyl. ports (no side ports)	Available on individual base 3/8" & 1/2" only
0004	Full side porting and additional bottom inlet, exh. & cyl. ports	Available on individual base 3/8" only

- Note :
- The valve less base is always the same for internal or external pilot. These options are effected in the base.
 - Bottom ports : Refer to modification table.
 - To order bases without the valve, choose the base from the above table, then add 6500B as a prefix. Example 6500B-131.

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot : single operator and 3 positions : 25-150 PSI double operator : 10-150 PSI External pilot : vacuum to 150 PSI
Pilot pressure :	Single operator and 3 positions : 25-150 PSI Double operator : 10-150 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F to 210°C)
Filtration :	40 μ
Temperature range :	0°F to 120°F (-18°C to 50°C)
Flow (at 6 bar, ΔP=1bar) :	3/8" : (4.5 C _v), 1/2" : (5.0 C _v), 3/4" : (5.1 C _v)
Leak rate :	100 cm ³ /min
Coil :	Epoxy encapsulated - class A wires - Continuous duty
Voltage range :	-15% to +10% of nominal voltage
Protection :	Consult factory
Power :	~ Inrush : 14.8 VA Holding : 10.9 VA = 1 to 17.1 W
Response times :	24 VDC (8.5 W) Energize : 12 ms De-energize : 12 ms 120/60 Energize : 9-14 ms De-energize : 11-18 ms

Spare parts : Solenoid operator (power ≥ 4 W) : D1-XXAA, cover mounting screws 35206 and seal 16234.
 • Pilot valve : PME-XXYZZ, including seal 16337. • Pressure seal between valve and base : 16246.
 • Mounting screw valve to base (x4) : 32201.

Options : • BSPP threads.

DIMENSIONS Dimensions shown are metric (mm)

