



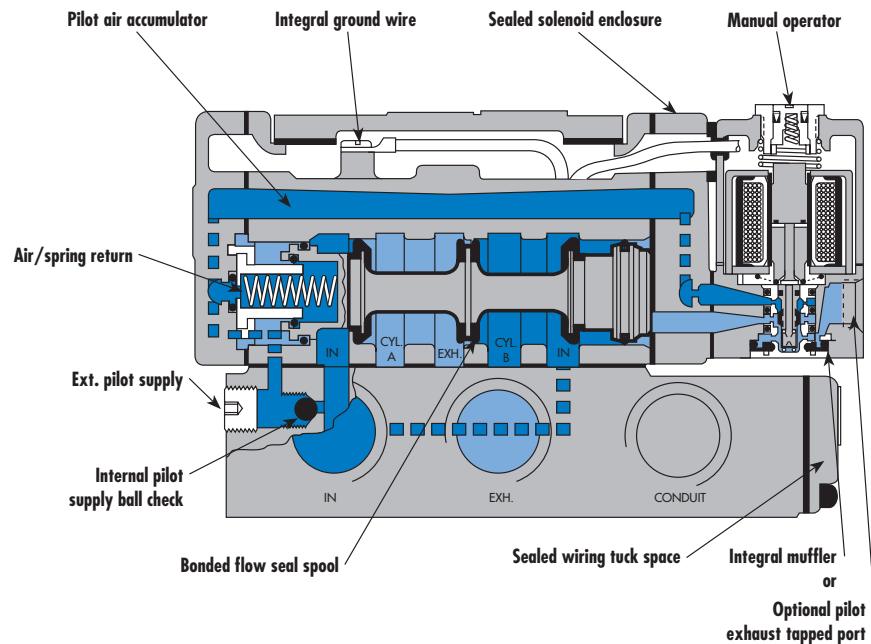
Direct solenoid and solenoid pilot operated valves

Individual mounting

sub-base non "plug-in"	sub-base "plug-in"
---------------------------	-----------------------

Manifold mounting

sub-base non "plug-in"	sub-base "plug-in"
---------------------------	-----------------------



SERIES FEATURES

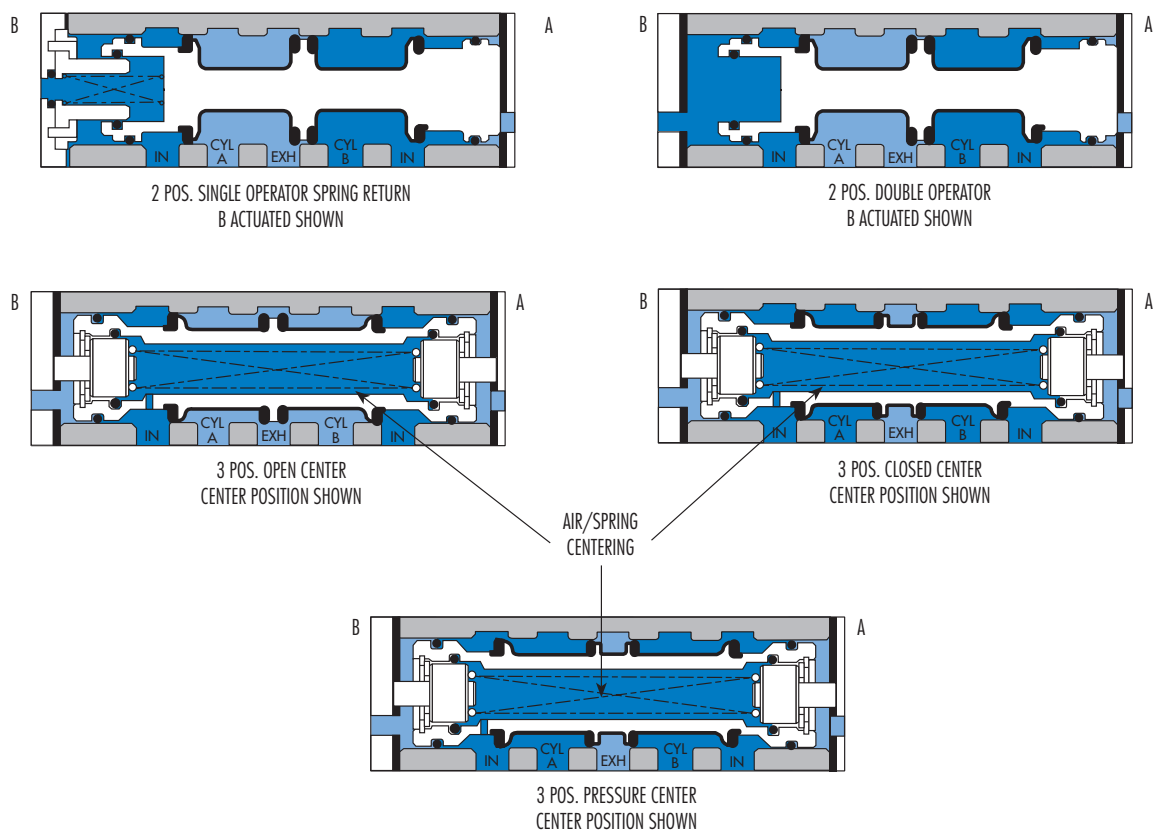
- The patented MACSOLENOID with its non-burn out feature on AC service.
- A large checked accumulator for consistent shifting on single and double solenoid models.
- A plug-in design that provides for internal or external pilot with or without lights and all electrical and air plumbing in the base — 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.



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

SPOOL CONFIGURATIONS



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 1.7 bar 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.
- Ability to use a pilot signal pressure different from the main valve pressure. Pilot signal can be from 1.3 to 10 bar, regardless of main valve pressure.

ALL MODELS AVAILABLE WITH SANDWICH TYPE REGULATORS

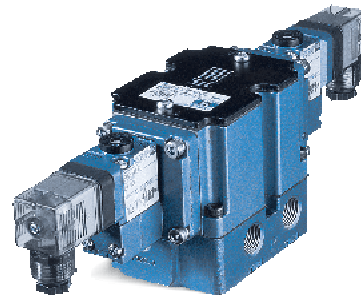


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base non "plug-in"

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. High shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. 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-171-PM-XXYZZ	6522B-171-PM-XXYZZ	6532B-171-PM-XXYZZ	6542B-171-PM-XXYZZ	6552B-171-PM-XXYZZ
G3/8"	External	6512B-181-PM-XXYZZ	6522B-181-PM-XXYZZ	6532B-181-PM-XXYZZ	6542B-181-PM-XXYZZ	6552B-181-PM-XXYZZ
sub-base	Internal	6512B-271-PM-XXYZZ	6522B-271-PM-XXYZZ	6532B-271-PM-XXYZZ	6542B-271-PM-XXYZZ	6552B-271-PM-XXYZZ
G1/2"	External	6512B-281-PM-XXYZZ	6522B-281-PM-XXYZZ	6532B-281-PM-XXYZZ	6542B-281-PM-XXYZZ	6552B-281-PM-XXYZZ
sub-base	Internal	6512B-371-PM-XXYZZ	6522B-371-PM-XXYZZ	6532B-371-PM-XXYZZ	6542B-371-PM-XXYZZ	6552B-371-PM-XXYZZ
G3/4"	External	6512B-381-PM-XXYZZ	6522B-381-PM-XXYZZ	6532B-381-PM-XXYZZ	6542B-381-PM-XXYZZ	6552B-381-PM-XXYZZ

Note : Above codes shown are for side ports.

SOLENOID OPERATOR ►

XX Y ZZ *

XX Voltage	Y Manual operator	ZZ Electrical connection
11 110V~/50Hz	1 Non-locking	JB Rectangular connector
12 220V~/50Hz	2 Locking	JD Rectangular connector with light
22 24V~/50Hz		JA Square connector
59 24V~/2,5W		JC Square connector with light
87 24V~/17,1W		BA Flying leads (45 cm)
61 24V~/8,5W		

Note : Photo shown with JC connector.

* Other options available, see page 305.

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 G3/8" & G1/2" only
0004	Full side porting and additional bottom inlet, exh. & cyl. ports	Available on individual base G3/8" only

- Note :
1. The valve less base is always the same for internal or external pilot. These options are effected in the base.
 2. Bottom ports : Refer to modification table.
 3. To order bases without the valve, choose the base from the above table, then add 6500B as a prefix. Example 6500B-171.



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

TECHNICAL DATA

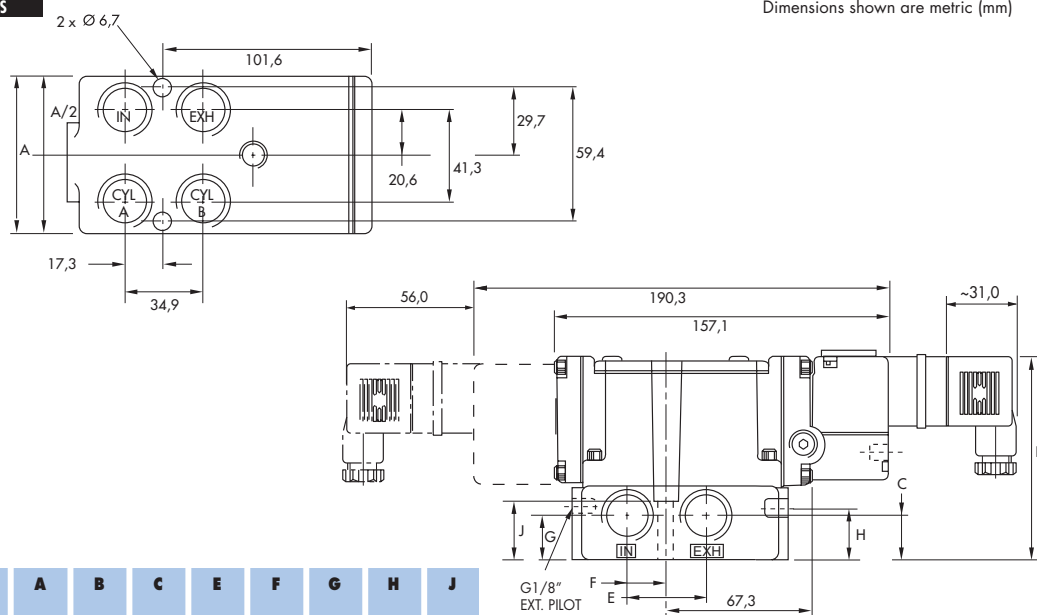
Fluid :	Compressed air, vacuum, inert gases		
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar		
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar		
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)		
Filtration :	40 µ		
Temperature range :	-18°C to 50°C (0°F to 120°F)		
Flow (at 6 bar, ΔP=1bar) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/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 V= /8.5 W	Energize : 12 ms	De-energize : 12 ms
	50Hz/6 W	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-XYZZ, including seal 16337. • Pressure seal between valve and base : 16246.
 • Mounting screw valve to base (x4) : 32201.

Options : • NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



Port size	A	B	C	E	F	G	H	J
G3/8" - G1/2"	69.6	97.4	18.3	36.0	17.9	19.0	23.6	25.4
G3/4"	94.5	109.3	17.3	40.1	19.2	20.8	35.9	36.6

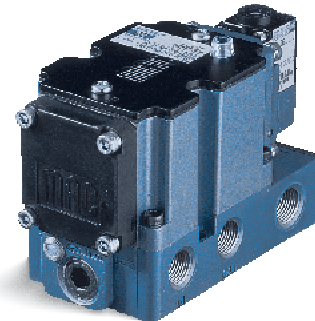


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base "plug-in"

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. High shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. 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		6511B-000-PM- XXY DA	6521B-000-PM- XXY DA	6531B-000-PM- XXY DA	6541B-000-PM- XXY DA	6551B-000-PM- XXY DA
sub-base	Internal	6511B-151-PM- XXY DA	6521B-151-PM- XXY DA	6531B-151-PM- XXY DA	6541B-151-PM- XXY DA	6551B-151-PM- XXY DA
G3/8"	External	6511B-161-PM- XXY DA	6521B-161-PM- XXY DA	6531B-161-PM- XXY DA	6541B-161-PM- XXY DA	6551B-161-PM- XXY DA
sub-base	Internal	6511B-251-PM- XXY DA	6521B-251-PM- XXY DA	6531B-251-PM- XXY DA	6541B-251-PM- XXY DA	6551B-251-PM- XXY DA
G1/2"	External	6511B-261-PM- XXY DA	6521B-261-PM- XXY DA	6531B-261-PM- XXY DA	6541B-261-PM- XXY DA	6551B-261-PM- XXY DA
sub-base	Internal	6511B-351-PM- XXY DA	6521B-351-PM- XXY DA	6531B-351-PM- XXY DA	6541B-351-PM- XXY DA	6551B-351-PM- XXY DA
G3/4"	External	6511B-361-PM- XXY DA	6521B-361-PM- XXY DA	6531B-361-PM- XXY DA	6541B-361-PM- XXY DA	6551B-361-PM- XXY DA

Note : Above codes shown are for side ports without lights.

SOLENOID OPERATOR ►

XX Y DA *

XX Voltage	Y Manual operator
11 110V~/50Hz	1 Non-locking
12 220V~/50Hz	2 Locking
22 24V~/50Hz	
59 24V~/2,5W	
87 24V~/17,1W	
61 24V~/8,5W	

* Other options available, see page 305.

OPTIONS

6511B-XXX-PM-**XXY**DA

- For piped pilot exhaust replace M by P.
- For dual pressure valve replace by 4 (no light), by 5 (sgl. light), by 6 (dbl. light).
- For lights on base, replace by 2 (sgl. light), by 3 (dbl. light).
- For lights on valve body, replace by 3.

MODIFICATIONS

MOD. N°	DESCRIPTION	MODEL AVAILABILITY
0002	Bottom inlet, exh. & cyl. ports (no side ports)	Available on individual base G3/8" & G1/2" only
0004	Full side porting and additional bottom inlet, exh. & cyl. ports	Available on individual base G3/8" only

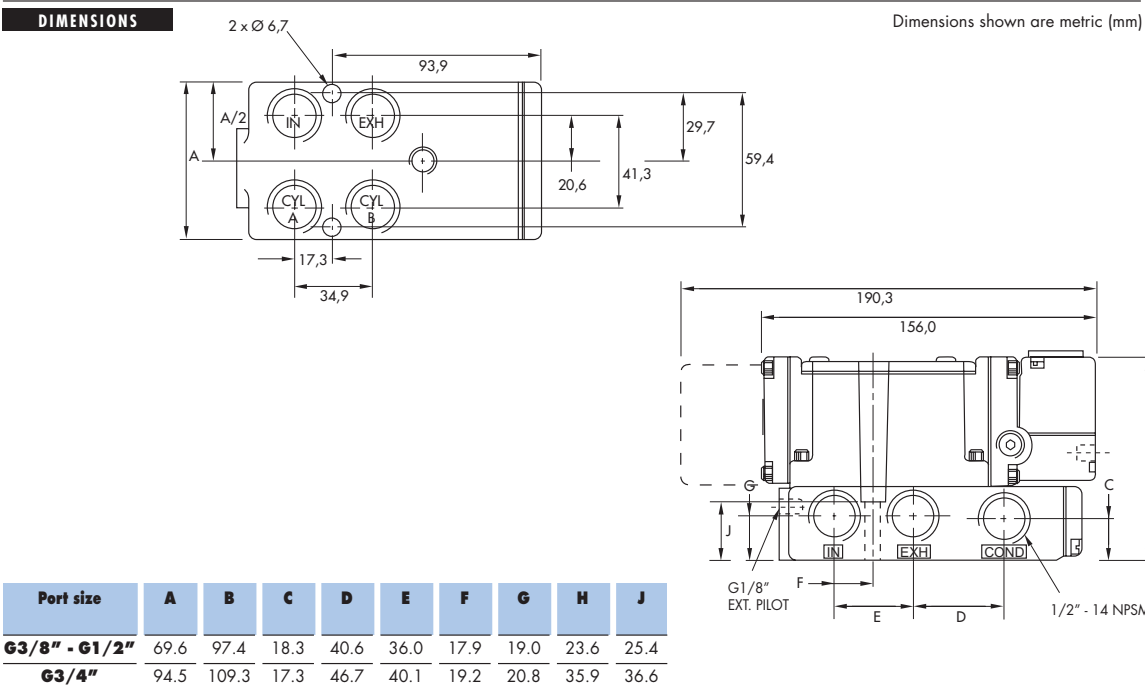
Note : 1. The valve less base is always the same for internal or external pilot. These options are effected in the base.
2. Bottom ports : Refer to modification table.
3. To order bases without the valve, choose the base from the above table, then add 6500B as a prefix. Example 6500B-151.



TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/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 V=/8.5 W Energize : 12 ms De-energize : 12 ms
	50Hz/6 W Energize : 9-14 ms De-energize : 11-18 ms

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

- Options :
- NPTF threads.



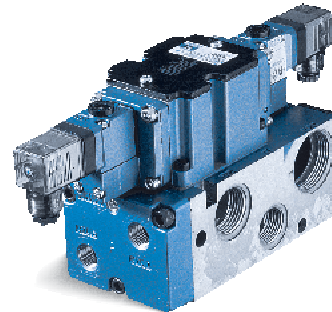


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Manifold mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base non "plug-in"

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. High shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. 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-471-PM-XXYZZ	6522B-471-PM-XXYZZ	6532B-471-PM-XXYZZ	6542B-471-PM-XXYZZ	6552B-471-PM-XXYZZ
G3/8"	External	6512B-481-PM-XXYZZ	6522B-481-PM-XXYZZ	6532B-481-PM-XXYZZ	6542B-481-PM-XXYZZ	6552B-481-PM-XXYZZ
sub-base	Internal	6512B-571-PM-XXYZZ	6522B-571-PM-XXYZZ	6532B-571-PM-XXYZZ	6542B-571-PM-XXYZZ	6552B-571-PM-XXYZZ
G1/2"	External	6512B-581-PM-XXYZZ	6522B-581-PM-XXYZZ	6532B-581-PM-XXYZZ	6542B-581-PM-XXYZZ	6552B-581-PM-XXYZZ
sub-base	Internal	6512B-671-PM-XXYZZ	6522B-671-PM-XXYZZ	6532B-671-PM-XXYZZ	6542B-671-PM-XXYZZ	6552B-671-PM-XXYZZ
G3/4"	External	6512B-681-PM-XXYZZ	6522B-681-PM-XXYZZ	6532B-681-PM-XXYZZ	6542B-681-PM-XXYZZ	6552B-681-PM-XXYZZ

Note : Above codes shown are for side cylinder ports.

SOLENOID OPERATOR ►

XX Y ZZ*

XX Voltage	Y Manual operator	ZZ Electrical connection
11 110V~/50Hz	1 Non-locking	JB Rectangular connector
12 220V~/50Hz	2 Locking	JD Rectangular connector with light
22 24V~/50Hz		JA Square connector
59 24V~/2,5W		JC Square connector with light
87 24V~/17,1W		BA Flying leads (45 cm)
61 24V~/8,5W		

Note : Photo shown with JC connector.

* Other options available, see page 305.

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
0112	Side inlet & exhaust with bottom cyl. ports (No end cyl. ports)	Available on all manifold models
0210	Porting as ordered in model number plus an additional bottom inlet	Available on all manifold models
0364	Sgl. pressure — side inlet & exh. and additional bottom inlet with bottom cyl. ports (No end cyl. ports) DUAL PRESSURE — Same as sgl. pressure except with two bottom inlets.	Available on all manifold models

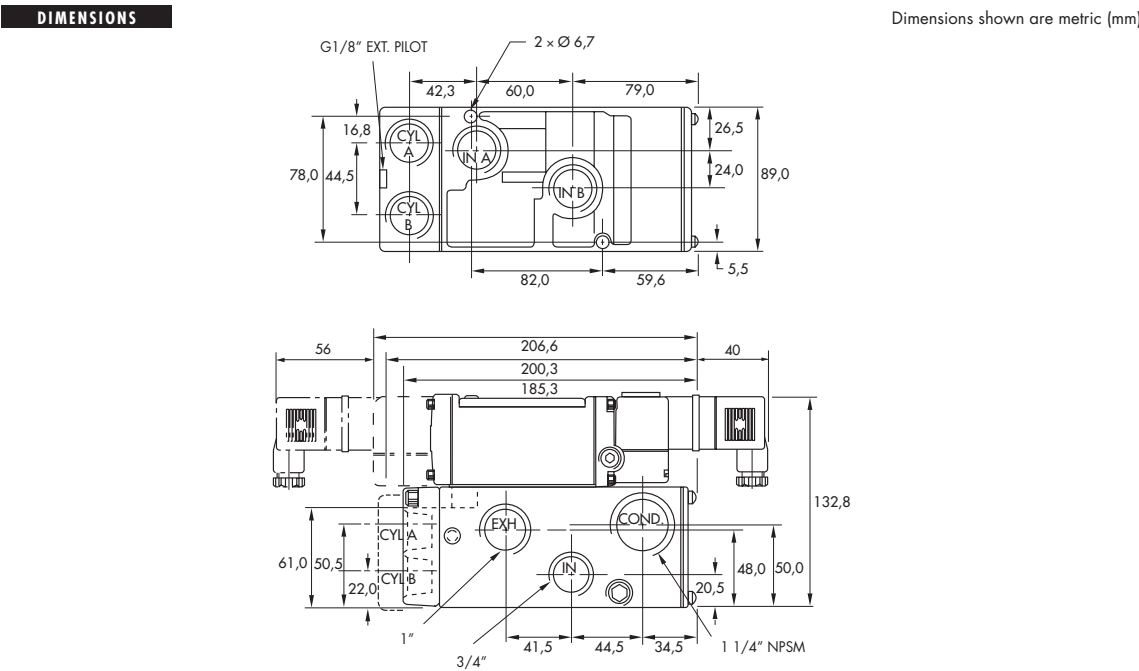
- Note :
1. The valve less base is always the same for internal or external pilot. These options are effected in the manifold.
 2. Bottom ports : Refer to modification table.
 3. To order manifolds without the valve, choose the manifold from the above table, then add 6500B as a prefix. Example 6500B-471.



TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/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 V=/8.5 W Energize : 12 ms De-energize : 12 ms 50Hz/6 W 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. • Tie-rod (x2) : 19540. • Fastening kit : N-65002-01
 - Inlet isolator : 28309. • Exhaust isolator : 28310. • Blank station cover plate : N-65009.

- Options :
- NPTF threads.



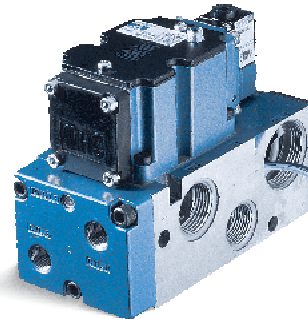


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Manifold mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base "plug-in"

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. High shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. 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		6511B-000-PM- XXY DA	6521B-000-PM- XXY DA	6531B-000-PM- XXY DA	6541B-000-PM- XXY DA	6551B-000-PM- XXY DA
sub-base	Internal	6511B-451-PM- XXY DA	6521B-451-PM- XXY DA	6531B-451-PM- XXY DA	6541B-451-PM- XXY DA	6551B-451-PM- XXY DA
G3/8"	External	6511B-461-PM- XXY DA	6521B-461-PM- XXY DA	6531B-461-PM- XXY DA	6541B-461-PM- XXY DA	6551B-461-PM- XXY DA
sub-base	Internal	6511B-551-PM- XXY DA	6521B-551-PM- XXY DA	6531B-551-PM- XXY DA	6541B-551-PM- XXY DA	6551B-551-PM- XXY DA
G1/2"	External	6511B-561-PM- XXY DA	6521B-561-PM- XXY DA	6531B-561-PM- XXY DA	6541B-561-PM- XXY DA	6551B-561-PM- XXY DA
sub-base	Internal	6511B-651-PM- XXY DA	6521B-651-PM- XXY DA	6531B-651-PM- XXY DA	6541B-651-PM- XXY DA	6551B-651-PM- XXY DA
G3/4"	External	6511B-661-PM- XXY DA	6521B-661-PM- XXY DA	6531B-661-PM- XXY DA	6541B-661-PM- XXY DA	6551B-661-PM- XXY DA

Note : Above codes shown are for side cylinder ports without lights.

SOLENOID OPERATOR ►

XX Y DA *

XX Voltage	Y Manual operator
11 110V~/50Hz	1 Non-locking
12 220V~/50Hz	2 Locking
22 24V~/50Hz	
59 24V~/2,5W	
87 24V~/17,1W	
61 24V~/8,5W	

* Other options available, see page 305.

OPTIONS

6511B-XXX-PM-**XXY**DA

- For piped pilot exhaust replace M by P.
- For lights on valve body, replace by 3.

- For dual pressure valve replace by 4 (no light), by 5 (sgl. light), by 6 (dbl. light).
- For lights on manifold, replace by 2 (sgl. light), by 3 (dbl. light).

MODIFICATIONS

MOD. N°	DESCRIPTION	MODEL AVAILABILITY
0112	Side inlet & exhaust with bottom cyl. ports (No end cyl. ports)	Available on all manifold models
0210	Porting as ordered in model number plus an additional bottom inlet	Available on all manifold models
0364	Sgl. pressure — side inlet & exh. and additional bottom inlet with bottom cyl. ports (No end cyl. ports) DUAL PRESSURE — Same as sgl. pressure except with two bottom inlets.	Available on all manifold models

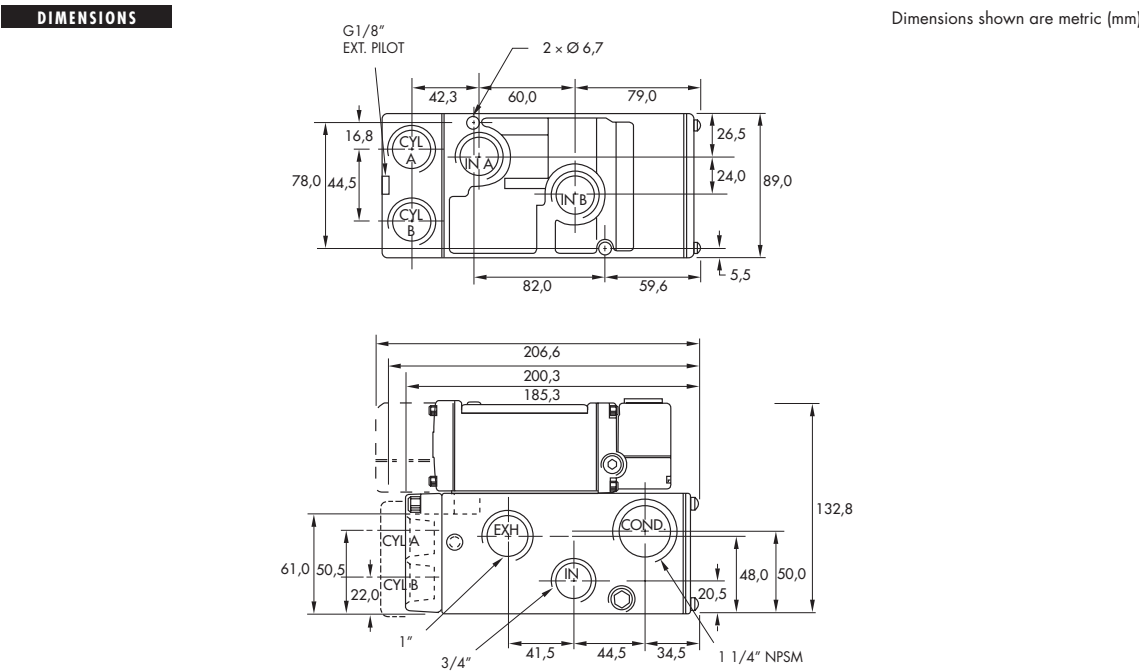
Note : 1. The valve less base is always the same for internal or external pilot. These options are effected in the manifold.
2. Bottom ports : Refer to modification table.
3. To order manifolds without the valve, choose the manifold from the above table, then add 6500B as a prefix. Example 6500B-451.



TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/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 V= /8.5 W Energize : 12 ms De-energize : 12 ms
	50Hz/6 W Energize : 9-14 ms De-energize : 11-18 ms

- Spare parts :
- Solenoid operator (power ≥ 4 W) : D1-XXBE, cover mounting screws 35206 and seal 16234.
 - Pilot valve : PME-XXYDA-BE, including seal 16337. • Pressure seal between valve and base : 16246.
 - Mounting screw valve to base (x4) : 32201. • Tie-rod (x2) : 19540. • Fastening kit : N-65002-01
 - Inlet isolator : 28309. • Exhaust isolator : 28310. • Blank station cover plate : N-65009.

- Options :
- NPTF threads.



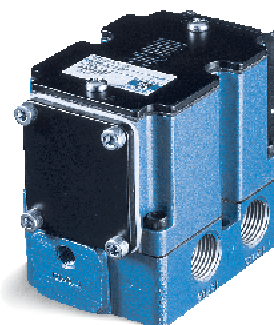


Remote air valves

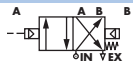
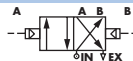
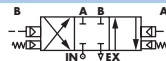
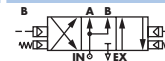
Function	Port size	Flow [Max]	Individual mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. The piston (booster) provides maximum shifting forces.
4. Powerful return thanks to the combination of mechanical and air springs.
5. Bonded spool with minimum friction, shifting in a glass-like finished bore.
6. Wiping effect eliminates sticking.
7. Low leakage rate.



HOW TO ORDER

Port size	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-RA	6522B-000-RA	6532B-000-RA	6542B-000-RA	6552B-000-RA
Sub-base G3/8"	6512B-171-RA	6522B-181-RA	6532B-181-RA	6542B-181-RA	6552B-181-RA
Sub-base G1/2"	6512B-271-RA	6522B-281-RA	6532B-281-RA	6542B-281-RA	6552B-281-RA
Sub-base G3/4"	6512B-371-RA	6522B-381-RA	6532B-381-RA	6542B-381-RA	6552B-381-RA

OPTIONS

6512B-171-RA	Dual pressure valves : replace by 4. (excluding G3/4" base)
--------------	---



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

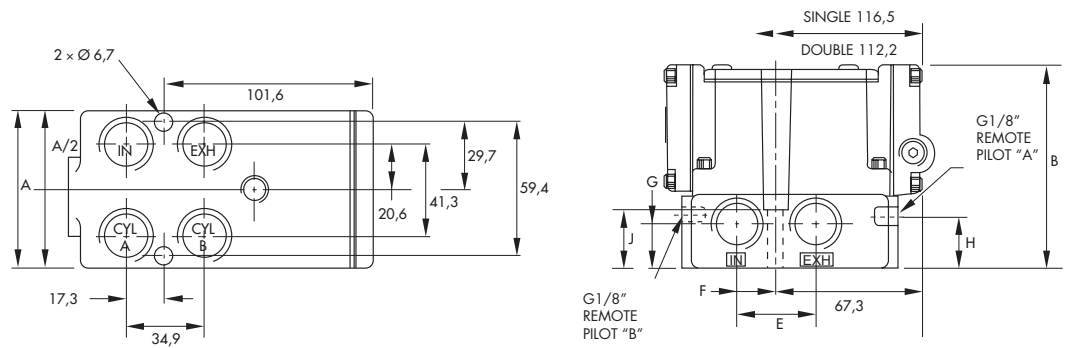
TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 10 bar
Air signal pressure :	Single operator and 3 positions : 1.7 to 10 bar $\geq$ main valve pressure Double operator : 0.7 to 10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 μ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, $\Delta P=1\text{bar}$) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/min

Spare parts : • Remote air operator : R-00008. • Seal between valve and base : 16246. • Mounting screw valve to base (x4) : 32201.

Options : • NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



PORT SIZE	A	B	E	F	G	H	J
G3/8" & G1/2"	69.6	97.4	36.0	17.9	19.0	23.6	25.4
G3/4"	94.5	109.3	40.1	19.2	20.8	35.9	36.6

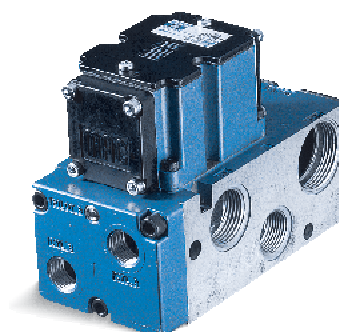


R e m o t e a i r v a l v e s

Function	Port size	Flow [Max]	Manifold mounting
4/2 - 4/3	G3/8" - G1/2" - G3/4"	5100 NI/min	sub-base

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. The piston (booster) provides maximum shifting forces.
4. Powerful return thanks to the combination of mechanical and air springs.
5. Bonded spool with minimum friction, shifting in a glass-like finished bore.
6. Wiping effect eliminates sticking.
7. Low leakage rate.



HOW TO ORDER

Port size	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-RA	6522B-000-RA	6532B-000-RA	6542B-000-RA	6552B-000-RA
Sub-base G3/8"	6512B-471-RA	6522B-481-RA	6532B-481-RA	6542B-481-RA	6552B-481-RA
Sub-base G1/2"	6512B-571-RA	6522B-581-RA	6532B-581-RA	6542B-581-RA	6552B-581-RA
Sub-base G3/4"	6512B-671-RA	6522B-681-RA	6532B-681-RA	6542B-681-RA	6552B-681-RA

OPTIONS

6512B-471-RA

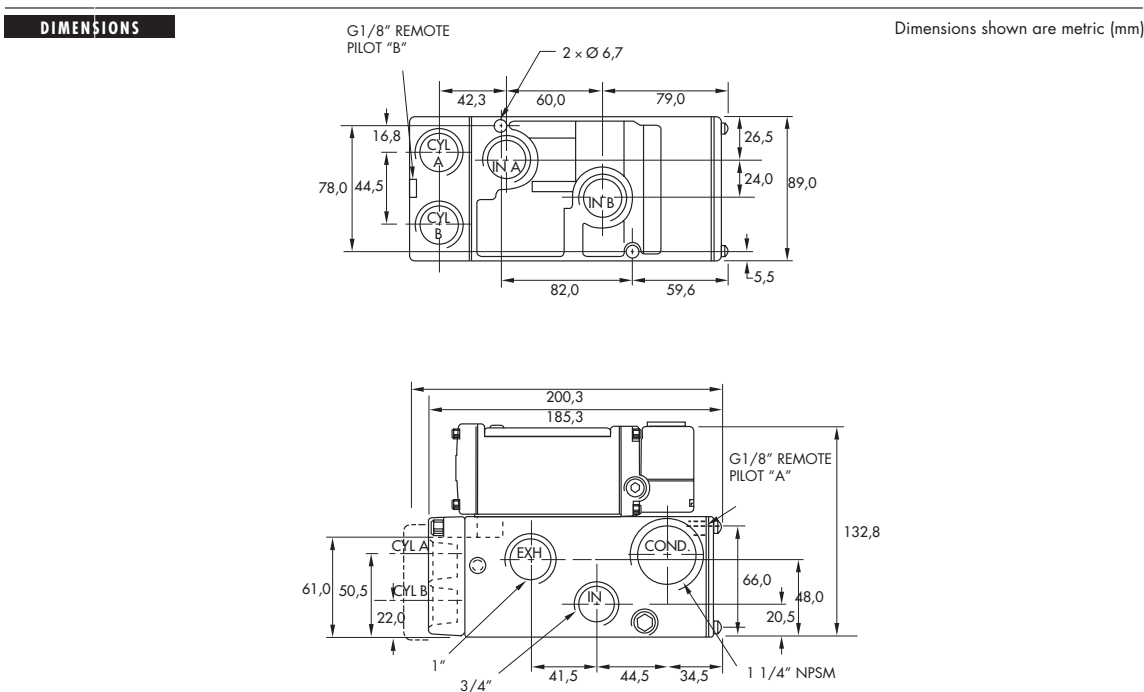
For dual pressure valves, replace by 4.

Fastening kit : N-65002-01P.



TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 10 bar
Air signal pressure :	Single operator and 3 positions : 1.7 to 10 bar $\geq$ main valve pressure Double operator : 0.7 to 10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 μ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, $\Delta P=1\text{bar}$) :	G3/8" : 4500 NI/min, G1/2" : 5000 NI/min, G3/4" : 5100 NI/min

- Spare parts :
- Remote air operator : R-00008. • Seal between valve and base : 16246.
 - Mounting screw valve to base (x4) : 32201. • Tie-rod (x2) : 19540.
- Options :
- NPTF threads.



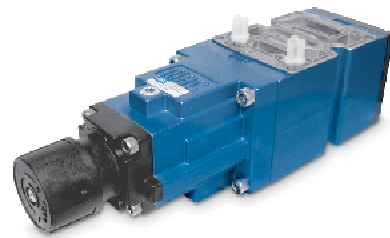


P r e s s u r e r e g u l a t o r s

Sandwich pressure regulator with manual adjust knob.

OPERATIONAL BENEFITS

1. Easy mounting : saves on installation costs in comparison with inline regulators.
2. Allows to have compact, all-included units.
3. Large orifice provides high flow.
4. Various functions available.
5. Simple, reliable and solid design.



HOW TO ORDER

REGULATORS FOR "PLUG-IN" VALVES

Gauges	Single pressure Regulator A end Same regulated pressure to ports A and B	Single pressure Regulator B end Same regulated pressure to ports A and B	Dual pressure Regulator A end Regulated pressure to port B	Dual pressure Regulator B end Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR65C-22AA	PR65C-21AA	PR65C-24AA	PR65C-23AA	PR65C-25AA
Glycerine filled gauge on regulator(s)	PR65C-22BA	PR65C-21BA	PR65C-24BA	PR65C-23BA	PR65C-25DA
Glycerine filled gauge opposite to regulator	PR65C-22CA	PR65C-21CA	PR65C-24CA	PR65C-23CA	---
Non-filled gauge on regulator(s)	PR65C-22FA	PR65C-21FA	PR65C-24FA	PR65C-23FA	PR65C-25HA
Non-filled gauge opposite to regulator	PR65C-22GA	PR65C-21GA	PR65C-24GA	PR65C-23GA	---

Note : above models are coded for use with double solenoid plug-in valves.

REGULATORS FOR "NON PLUG-IN" AND REMOTE AIR VALVES

Gauges	Single pressure Regulator A end Same regulated pressure to ports A and B	Single pressure Regulator B end Same regulated pressure to ports A and B	Dual pressure Regulator A end Regulated pressure to port B	Dual pressure Regulator B end Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR65C-32AA	PR65C-31AA	PR65C-34AA	PR65C-33AA	PR65C-35AA
Glycerine filled gauge on regulator(s)	PR65C-32BA	PR65C-31BA	PR65C-34BA	PR65C-33BA	PR65C-35DA
Glycerine filled gauge opposite to regulator	PR65C-32CA	PR65C-31CA	PR65C-34CA	PR65C-33CA	---
Non-filled gauge on regulator(s)	PR65C-32FA	PR65C-31FA	PR65C-34FA	PR65C-33FA	PR65C-35HA
Non-filled gauge opposite to regulator	PR65C-32GA	PR65C-31GA	PR65C-34GA	PR65C-33GA	---

Note : regulating range for above models is 0-10 bar.
For other ranges see technical data page.

ADJUSTMENT OPTIONS

PR65C-xxxx

PLUG-IN OPTIONS

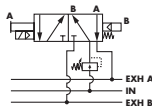
PR65C-xxxx

- Replace by 1 for single solenoid plug-in with knob adjustment.

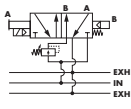
- Replace by A for slotted stem adjustment for single solenoid plug-in.
- Replace by B for slotted stem adjustment for double solenoid plug-in.
- Replace by C for slotted stem adjustment for non plug-in valves.
- Replace by E for slotted stem with locknut for single solenoid plug-in.
- Replace by F for slotted stem with locknut for double solenoid plug-in.
- Replace by G for slotted stem with locknut for non plug-in valves.

Manual adjust

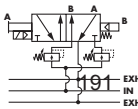
Single
regulator
Single
pressure



Single
regulator
Dual pressure



Dual
regulator
Dual pressure



Check the warranty page 277



TECHNICAL DATA	
Fluid :	Compressed air, inert gases
Pressure range :	0 to 10 bar
Regulating range :	0 to 10 bar (other ranges see below)
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	4000 NI/min

Spare parts :

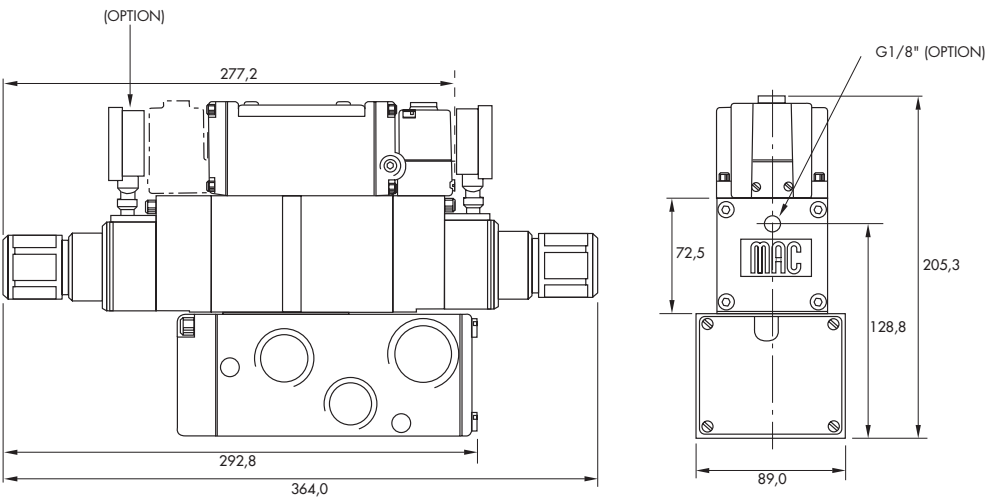
- Pressure regulator (less sandwich block) : PR65C-41AA (KNOB), PR65C-D1AA (SLOTTED STEM), PR65C-H1AA (SLOTTED STEM WITH LOCKNUT).
- Gauges :
 - Glycerine filled : N-62015-01
 - Non filled : N-62016-01

Regulating range options : PR65C-XXXA

- Replace by B - 0 to 6.7 bar
- Replace by C - 0 to 3 bar

DIMENSIONS

Dimensions shown are metric (mm)



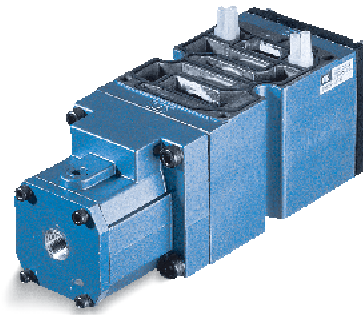


P r e s s u r e r e g u l a t o r s

Sandwich pressure regulator with air pilot adjust.

OPERATIONAL BENEFITS

1. Easy mounting : saves on installation costs in comparison with inline regulators.
2. Allows to have compact, all-included units.
3. Large orifice provides high flow.
4. Various functions available.
5. Simple, reliable and solid design.



HOW TO ORDER

REGULATORS FOR "PLUG-IN" VALVES

Gauges	Single pressure Regulator A end Same regulated pressure to ports A and B	Single pressure Regulator B end Same regulated pressure to ports A and B	Dual pressure Regulator A end Regulated pressure to port B	Dual pressure Regulator B end Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR65C-2BAA	PR65C-2AAA	PR65C-2DAA	PR65C-2CAA	PR65C-2EAA
Glycerine filled gauge on regulator(s)	PR65C-2BBA	PR65C-2ABA	PR65C-2DBA	PR65C-2CBA	PR65C-2EDA
Glycerine filled gauge opposite to regulator	PR65C-2BCA	PR65C-2ACA	PR65C-2DCA	PR65C-2CCA	---
Non-filled gauge on regulator(s)	PR65C-2BFA	PR65C-2AFA	PR65C-2DFA	PR65C-2CFA	PR65C-2EHA
Non-filled gauge opposite to regulator	PR65C-2BGA	PR65C-2AGA	PR65C-2DGA	PR65C-2CGA	---

Note : above models are coded for use with double solenoid plug-in valves.

REGULATORS FOR "NON PLUG-IN" AND REMOTE AIR VALVES

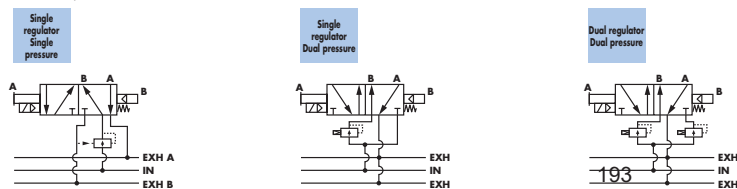
Gauges	Single pressure Regulator A end Same regulated pressure to ports A and B	Single pressure Regulator B end Same regulated pressure to ports A and B	Dual pressure Regulator A end Regulated pressure to port B	Dual pressure Regulator B end Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR65C-3BAA	PR65C-3AAA	PR65C-3DAA	PR65C-3CAA	PR65C-3EAA
Glycerine filled gauge on regulator(s)	PR65C-3BBA	PR65C-3ABA	PR65C-3DBA	PR65C-3CBA	PR65C-3EDA
Glycerine filled gauge opposite to regulator	PR65C-3BCA	PR65C-3ACA	PR65C-3DCA	PR65C-3CCA	---
Non-filled gauge on regulator(s)	PR65C-3BFA	PR65C-3AFA	PR65C-3DFA	PR65C-3CFA	PR65C-3EHA
Non-filled gauge opposite to regulator	PR65C-3BGA	PR65C-3AGA	PR65C-3DGA	PR65C-3CGA	---

PLUG-IN OPTIONS

PR65C-XXXX

— - Replace by 1 for single solenoid plug-in.

Air adjust



Check the warranty page 277



TECHNICAL DATA	
Fluid :	Compressed air, inert gases
Pressure range :	0 to 10 bar
Regulating range :	0 to 10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	4000 NI/min

- Spare parts :
- Pressure regulator (less sandwich block) : PR65C-4AAA.
 - Gauges : • Glycerine filled : N-62015-01
 - Non filled : N-62016-01

DIMENSIONS

Dimensions shown are metric (mm)

