



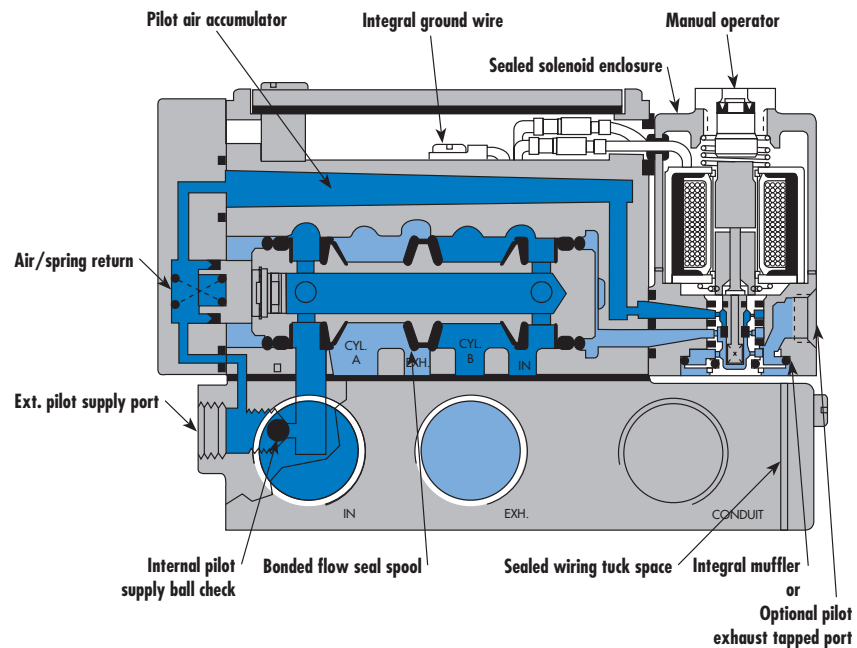
Direct solenoid and solenoid pilot operated valves

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

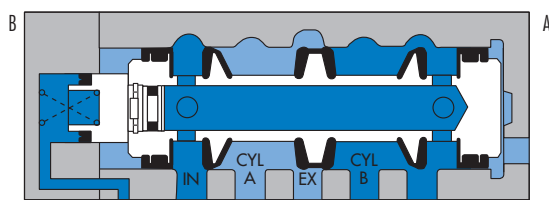
- The patented MACSOLENOID with its non-burn out feature on AC service.
- A large checked accumulator for consistent shifting on single and double solenoid models.
- A plug-in design that provides for internal or external pilot with or without lights and all electrical and air plumbing in the base —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



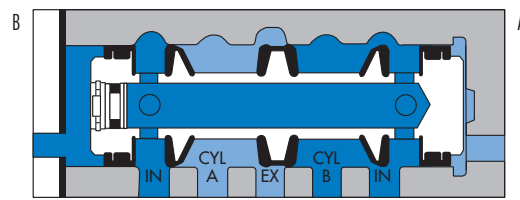
100%
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WARRANTY
18
MONTHS

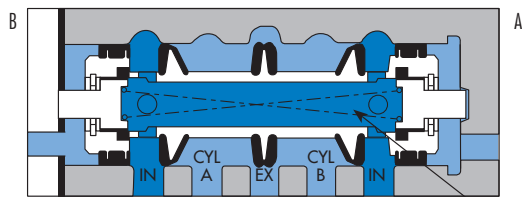
SPOOL CONFIGURATIONS



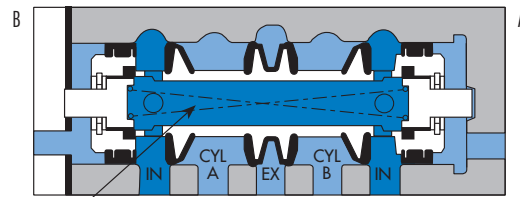
2 POS. SINGLE OPERATOR SPRING RETURN
B ACTUATED SHOWN



2 POS. DOUBLE OPERATOR
B ACTUATED SHOWN



3 POS. OPEN CENTER
CENTER POSITION SHOWN



3 POS. CLOSED CENTER
CENTER POSITION SHOWN

AIR/SPRING
CENTERING

VALVE CONFIGURATIONS AVAILABLE

The versatile 6300 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.
- Dual pressure on manifolds with sandwich regulators.
- 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.
- All models available with sandwich regulators (Except remote air pilot).

REMOTE AIR PILOT OPERATED VALVES

These remote air versions feature:

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

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.

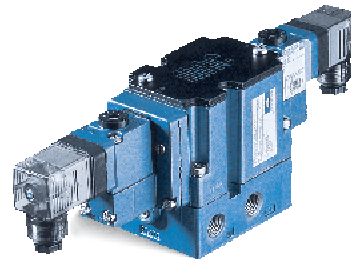


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow (Max)	Individual mounting
4/2 - 4/3	G1/4" - G3/8" - G1/2"	3000 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
Valve less base		6312D-000-PM- XXYYZZ	6322D-000-PM- XXYYZZ	6332D-000-PM- XXYYZZ	6342D-000-PM- XXYYZZ
sub-base	Internal	6312D-171-PM- XXYYZZ	6322D-171-PM- XXYYZZ	6332D-171-PM- XXYYZZ	6342D-171-PM- XXYYZZ
G1/4"	External	6312D-181-PM- XXYYZZ	6322D-181-PM- XXYYZZ	6332D-181-PM- XXYYZZ	6342D-181-PM- XXYYZZ
sub-base	Internal	6312D-271-PM- XXYYZZ	6322D-271-PM- XXYYZZ	6332D-271-PM- XXYYZZ	6342D-271-PM- XXYYZZ
G3/8"	External	6312D-281-PM- XXYYZZ	6322D-281-PM- XXYYZZ	6332D-281-PM- XXYYZZ	6342D-281-PM- XXYYZZ
sub-base	Internal	6312D-371-PM- XXYYZZ	6322D-371-PM- XXYYZZ	6332D-371-PM- XXYYZZ	6342D-371-PM- XXYYZZ
G1/2"	External	6312D-381-PM- XXYYZZ	6322D-381-PM- XXYYZZ	6332D-381-PM- XXYYZZ	6342D-381-PM- XXYYZZ

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

6312D-XXX-PM-**XXYYZZ**

- For piped pilot exhaust replace M by P.
- For bottom cylinder ports (excluding G1/2"), replace by 4.
- For dual pressure valves (see page 293 for use with sandwich regulators), replace by 5.

- Note : 1. The valve less base is always the same for internal or external pilot. These options are effected in the base.
2. To order bases without the valve, choose the base from the above table, then add 6300D as a prefix. Example 6300D-171.



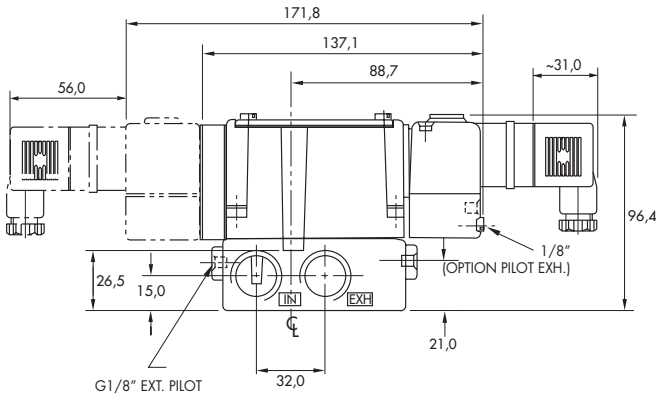
TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar
Lubrication :	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) :	G1/4" : 2000 NI/min, G3/8" : 2600 NI/min, G1/2" : 3000 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 : 10 ms De-energize : 11 ms
	50Hz/6 W Energize : 4-13 ms De-energize : 10-17 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 : 16298.
 - Mounting screw valve to base (x4) : 35303.

- Options :
- NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



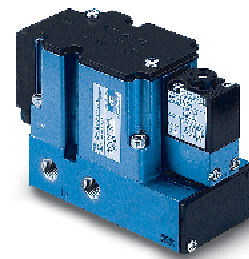


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
4/2 - 4/3	G1/4" - G3/8" - G1/2"	3000 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
Valve less base		6311D-000-PM- XXY DA	6321D-000-PM- XXY DA	6331D-000-PM- XXY DA	6341D-000-PM- XXY DA
sub-base	Internal	6311D-151-PM- XXY DA	6321D-151-PM- XXY DA	6331D-151-PM- XXY DA	6341D-151-PM- XXY DA
G1/4"	External	6311D-161-PM- XXY DA	6321D-161-PM- XXY DA	6331D-161-PM- XXY DA	6341D-161-PM- XXY DA
sub-base	Internal	6311D-251-PM- XXY DA	6321D-251-PM- XXY DA	6331D-251-PM- XXY DA	6341D-251-PM- XXY DA
G3/8"	External	6311D-261-PM- XXY DA	6321D-261-PM- XXY DA	6331D-261-PM- XXY DA	6341D-261-PM- XXY DA
sub-base	Internal	6311D-351-PM- XXY DA	6321D-351-PM- XXY DA	6331D-351-PM- XXY DA	6341D-351-PM- XXY DA
G1/2"	External	6311D-361-PM- XXY DA	6321D-361-PM- XXY DA	6331D-361-PM- XXY DA	6341D-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

6311D-XXX-PM-**XXY**DA

- For piped pilot exhaust replace M by P.
- For bottom ports (excluding G1/2"), replace by 4 (no light), by 5 (sgl. light), by 6 (dbl. light).
- For side ports with lights on base, replace by 2 (sgl. light), by 3 (dbl. light).
- For lights on valve body, replace by 3.
- For dual pressure valves with lights on valve body (see page 293 for use with sandwich regulators), replace by 6.

Note : 1. The valve less base is always the same for internal or external pilot. These options are effected in the base.

2. To order bases without the valve, choose the base from the above table, then add 6300D as a prefix. Example 6300D-151.



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WARRANTY
18
MONTHS

TECHNICAL DATA

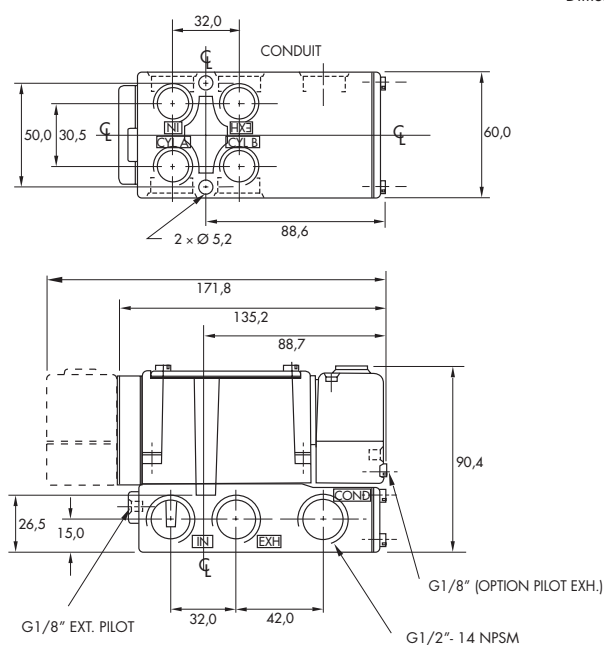
Fluid :	Compressed air, vacuum, inert gases		
Pressure range :	Internal pilot : single operator and 3 positions : 1.7-10 bar double operator : 0.7-10 bar External pilot : vacuum to 10 bar		
Pilot pressure :	Single operator and 3 positions : 1.7-10 bar Double operator : 0.7-10 bar		
Lubrication :	Not 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) :	G1/4" : 2000 NI/min, G3/8" : 2600 NI/min, G1/2" : 3000 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 : 10 ms	De-energize : 11 ms
	50Hz/6 W	Energize : 4-13 ms	De-energize : 10-17 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 : 16298.
 - Mounting screw valve to base (x4) : 35303.

- Options :
- NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)





Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow (Max)	Manifold mounting
4/2 - 4/3	G3/8" - G1/2"	3000 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		6312D-000-PM- XXYYZZ	6322D-000-PM- XXYYZZ	6332D-000-PM- XXYYZZ	6342D-000-PM- XXYYZZ	6352D-000-PM- XXYYZZ
sub-base	Internal	6312D-571-PM- XXYYZZ	6322D-571-PM- XXYYZZ	6332D-571-PM- XXYYZZ	6342D-571-PM- XXYYZZ	6352D-571-PM- XXYYZZ
G3/8"	External	6312D-581-PM- XXYYZZ	6322D-581-PM- XXYYZZ	6332D-581-PM- XXYYZZ	6342D-581-PM- XXYYZZ	6352D-581-PM- XXYYZZ
sub-base	Internal	6312D-671-PM- XXYYZZ	6322D-671-PM- XXYYZZ	6332D-671-PM- XXYYZZ	6342D-671-PM- XXYYZZ	6352D-671-PM- XXYYZZ
G1/2"	External	6312D-681-PM- XXYYZZ	6322D-681-PM- XXYYZZ	6332D-681-PM- XXYYZZ	6342D-681-PM- XXYYZZ	6352D-681-PM- XXYYZZ

Note : Above codes shown are for side cylinder ports.

SOLENOID OPERATOR ➤

SOLENOID OPERATOR ➤

XX

Y

ZZ*

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				

* Other options available, see page 305.

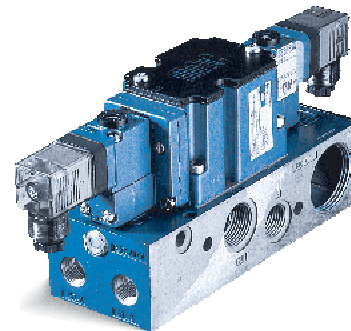
OPTIONS

6312D-XXX-PM-**XXYYZZ**

- For piped pilot exhaust replace M by P.
- For bottom cylinder ports, replace by 4.
- For bottom and side cylinder ports, replace by 7.
- For dual pressure valves (see page 293 for use with sandwich regulators), replace by 5.

MODIFICATIONS - MOD 0210 Bottom inlet port in addition to side inlet port - **TO ORDER** : 6312D-571-PM-111JA **MOD 0210**

- Note :
1. The valve less base is always the same for internal or external pilot. These options are effected in the manifold.
 2. To order manifolds without the valve, choose the manifold from the above table, then add 6300D as a prefix. Example 6300D-671.
 3. When ordering an external pilot connection for manifold bases, a common external pilot port is standard. One connection only is required for all the valves in the manifold whether single or double solenoid.
 4. Manifolds for solenoid and remote air operated valves must be ganged separately.





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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" : 2600 NI/min, G1/2" : 3000 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 : 10 ms	De-energize : 11 ms
	50Hz/6 W	Energize : 4-13 ms	De-energize : 10-17 ms

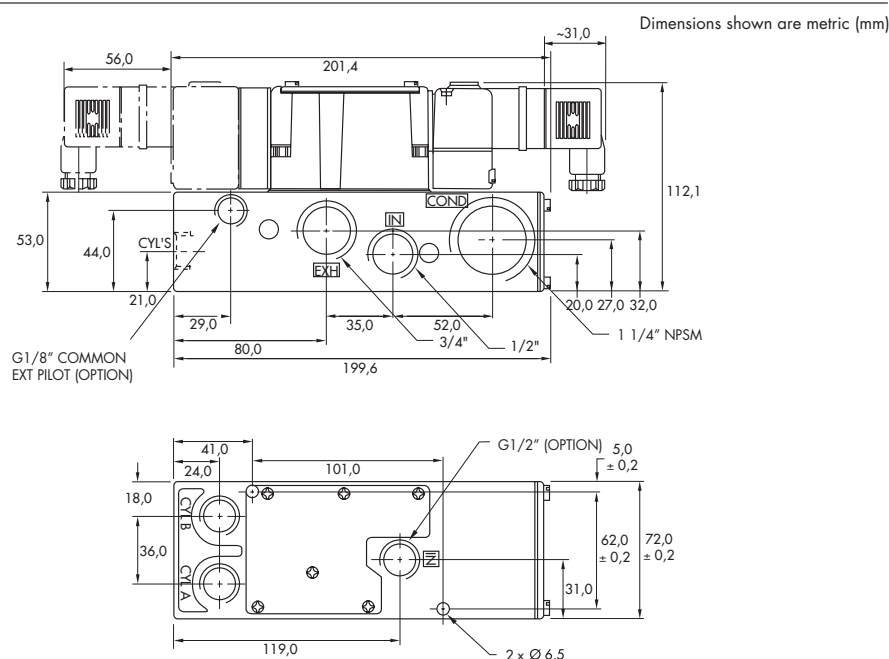
Spare parts :

- 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 : 16396.
- Mounting screw valve to base (x4) : 35303. • Tie-rod (x2) : 19624. • Fastening kit : N-63002-01
- Inlet isolator : 32839. • Exhaust isolator : 28309. • Blank station cover plate : M-63014.

Options :

- NPTF threads.

DIMENSIONS



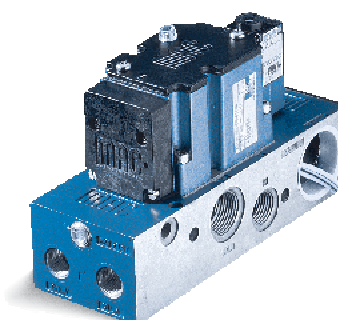


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Manifold mounting
4/2 - 4/3	G3/8" - G1/2"	3000 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		6311D-000-PM- XXY DA	6321D-000-PM- XXY DA	6331D-000-PM- XXY DA	6341D-000-PM- XXY DA	6351D-000-PM- XXY DA
sub-base	Internal	6311D-551-PM- XXY DA	6321D-551-PM- XXY DA	6331D-551-PM- XXY DA	6341D-551-PM- XXY DA	6351D-551-PM- XXY DA
G3/8"	External	6311D-561-PM- XXY DA	6321D-561-PM- XXY DA	6331D-561-PM- XXY DA	6341D-561-PM- XXY DA	6351D-561-PM- XXY DA
sub-base	Internal	6311D-651-PM- XXY DA	6321D-651-PM- XXY DA	6331D-651-PM- XXY DA	6341D-651-PM- XXY DA	6351D-651-PM- XXY DA
G1/2"	External	6311D-661-PM- XXY DA	6321D-661-PM- XXY DA	6331D-661-PM- XXY DA	6341D-661-PM- XXY DA	6351D-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		
87	24V~/17,1W		
59	24V~/2,5W		
61	24V~/8,5W		

* Other options available, see page 305.

OPTIONS

6311D-XXX-PM-**XXY**DA

- For piped pilot exhaust replace M by P.
- For bottom cylinder ports, replace by 4 (no light), by 5 (sgl. light), by 6 (dbl. light).
- For side cylinder ports with light, replace by 2 (sgl. light), by 3 (dbl. light).
- For bottom and side cylinder ports, replace by 7 (no light), by 8 (sgl. light), by 9 (dbl. light).
- For lights on valve body, replace by 3.
- For dual pressure valves with lights on valve body (see page 293 for use with sandwich regulators), replace by 6.

MODIFICATIONS - MOD 0210 Bottom inlet port in addition to side inlet port - TO ORDER : 6311D-551-PM-111DA MOD 0210

- Note :
1. The valve less base is always the same for internal or external pilot. These options are effected in the manifold.
 2. To order manifolds without the valve, choose the manifold from the above table, then add 6300D as a prefix. Example 6300D-551.
 3. When ordering an external pilot connection for manifold bases, a common external pilot port is standard. One connection only is required for all the valves in the manifold whether single or double solenoid.
 4. Manifolds for solenoid and remote air operated valves must be ganged separately.



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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" : 2600 NI/min, G1/2" : 3000 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 : 10 ms	De-energize : 11 ms
	50Hz/ 6 W	Energize : 4-13 ms	De-energize : 10-17 ms

Spare parts :

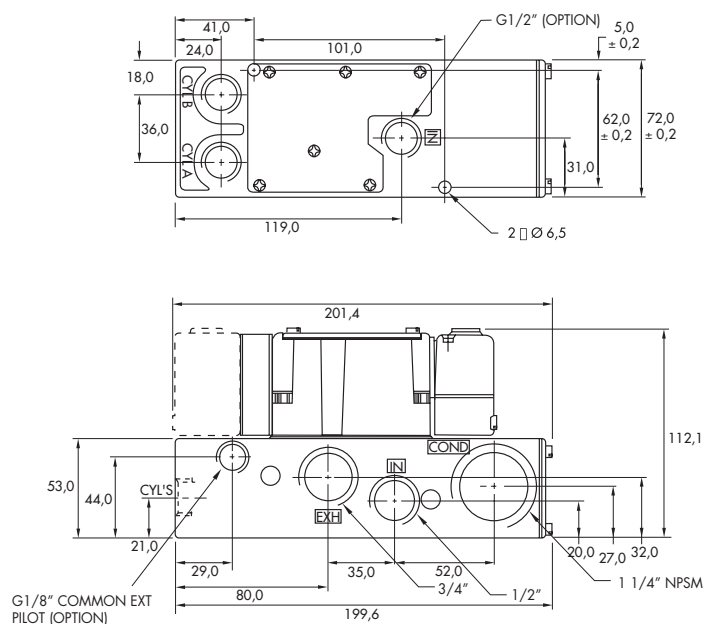
- Solenoid operator (power ≥ 4 W) : D1-XXBE, cover mounting screws 35206 and seal 16234.
- Pilot valve : PME-XYDA-BE, including seal 16337. • Pressure seal between valve and base : 16396.
- Mounting screw valve to base (x4) : 35303. • Tie-rod (x2) : 19624. • Fastening kit : N-63002-01
- Inlet isolator : 32839. • Exhaust isolator : 28309. • Blank station cover plate : M-63014.

Options :

- NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



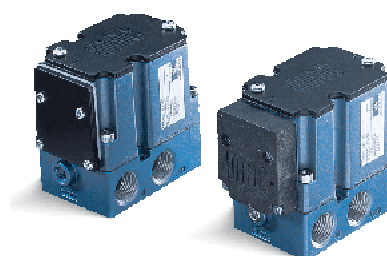


R e m o t e a i r v a l v e s

Function	Port size	Flow [Max]	Individual mounting
4/2 - 4/3	G1/4" - G3/8" - G1/2"	3000 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
Valve less base	6312D-000-RA	6322D-000-RA	6332D-000-RA	6342D-000-RA
Sub-base G1/4"	6312D-171-RA	6322D-181-RA	6332D-181-RA	6342D-181-RA
Sub-base G3/8"	6312D-271-RA	6322D-281-RA	6332D-281-RA	6342D-281-RA
Sub-base G1/2"	6312D-371-RA	6322D-381-RA	6332D-381-RA	6342D-381-RA

OPTIONS

6312D-171-RA

- For bottom ports (excluding G1/2"), replace by 4.

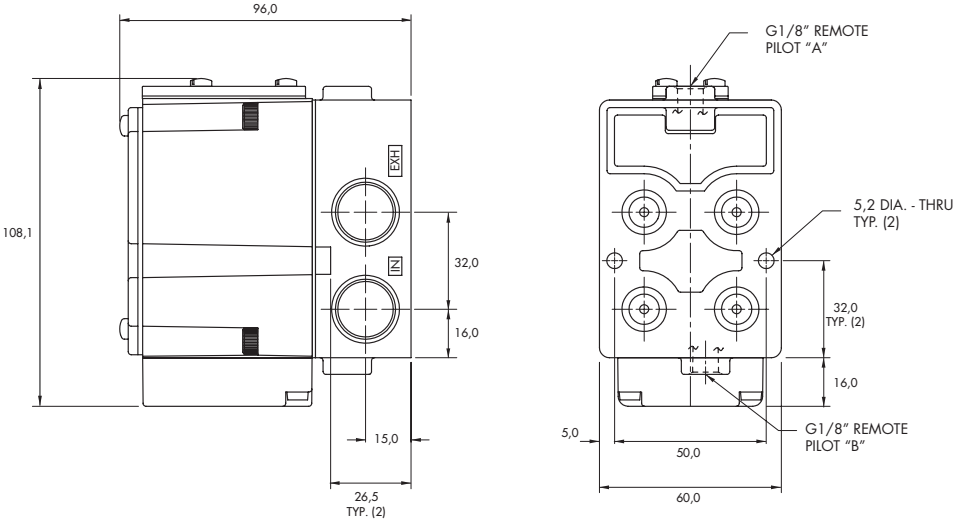


TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 10 bar
Air signal pressure :	Single operator and 3 positions : 1.7 to 10 bar Double operator : 0.7 to 10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, ΔP=1bar) :	G1/4" : 2000 Nl/min, G3/8" : 2600 Nl/min, G1/2" : 3000 Nl/min

- Spare parts :
- Remote air operator (A side) : R-63004A.
 - Remote air operator (B side) : R-63005A.
 - Seal between valve and base : 16298.
 - Mounting screw valve to base (x4) : 35303.
- Options :
- NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



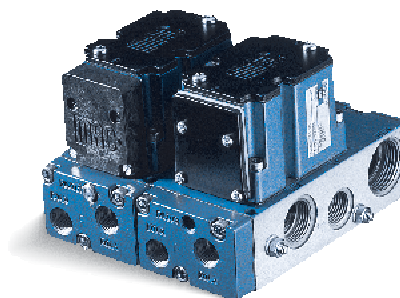


R e m o t e a i r v a l v e s

Function	Port size	Flow (Max)	Manifold mounting
4/2 - 4/3	G1/4" - G3/8" - G1/2"	3000 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
Valve less base	6312D-000-RA	6322D-000-RA	6332D-000-RA	6342D-000-RA
Sub-base G1/4"	6312D-471-RA	6322D-481-RA	6332D-481-RA	6342D-481-RA
Sub-base G3/8"	6312D-571-RA	6322D-581-RA	6332D-581-RA	6342D-581-RA
Sub-base G1/2"	6312D-671-RA	6322D-681-RA	6332D-681-RA	6342D-681-RA

OPTIONS

6312D-471-RA

- For bottom cylinder ports, replace by 4.

Fastening kit : N-63002-01P

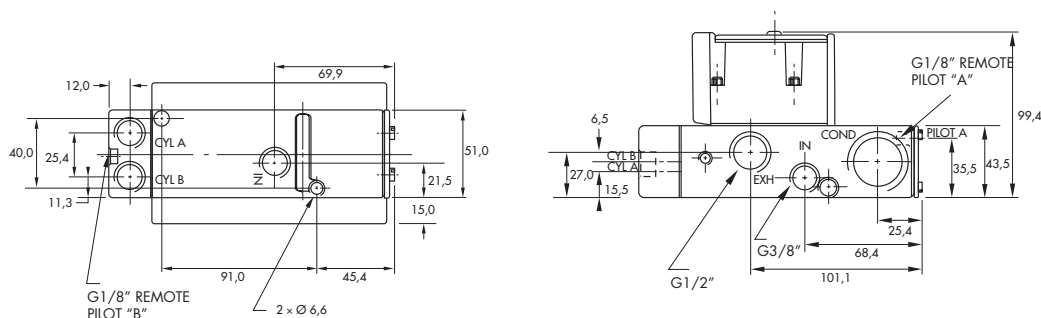


TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 10 bar
Air signal pressure :	Single operator and 3 positions : 1.7 to 10 bar $\geq$ main valve pressure Double operator : 0.7 to 10 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 μ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow (at 6 bar, $\Delta P=1\text{bar}$) :	G1/4" : 2000 Nl/min, G3/8" : 2600 Nl/min, G1/2" : 3000 Nl/min

- Spare parts :
- Remote air operator (A side) : R-63004A. • Remote air operator (B side) : R-63005A. • Seal between valve and base : 16298.
 - Mounting screw valve to base (x4) : 35303. • Tie-rod (x2) : 19624.
- Options :
- NPTF threads.

DIMENSIONS

Dimensions shown are metric (mm)



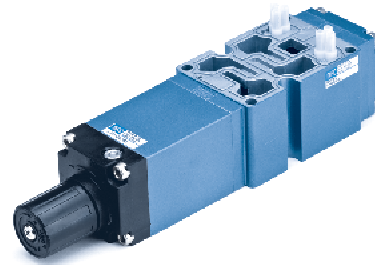


P r e s s u r e r e g u l a t o r s

Sandwich pressure regulator with 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 and Same regulated pressure to ports A and B	Single pressure Regulator B and Same regulated pressure to ports A and B	Dual pressure Regulator A and Regulated pressure to port B	Dual pressure Regulator B and Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR63D-22AA	PR63D-21AA	PR63D-24AA	PR63D-23AA	PR63D-25AA
Glycerine filled gauge on regulator(s)	PR63D-22BA	PR63D-21BA	PR63D-24BA	PR63D-23BA	PR63D-25DA
Glycerine filled gauge opposite to regulator	PR63D-22CA	PR63D-21CA	PR63D-24CA	PR63D-23CA	---
Non-filled gauge on regulator(s)	PR63D-22FA	PR63D-21FA	PR63D-24FA	PR63D-23FA	PR63D-25HA
Non-filled gauge opposite to regulator	PR63D-22GA	PR63D-21GA	PR63D-24GA	PR63D-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 and Same regulated pressure to ports A and B	Single pressure Regulator B and Same regulated pressure to ports A and B	Dual pressure Regulator A and Regulated pressure to port B	Dual pressure Regulator B and Regulated pressure to port A	Dual pressure Dual regulator Two regulated pressures to ports A and B
No gauge	PR63D-32AA	PR63D-31AA	PR63D-34AA	PR63D-33AA	PR63D-35AA
Glycerine filled gauge on regulator(s)	PR63D-32BA	PR63D-31BA	PR63D-34BA	PR63D-33BA	PR63D-35DA
Glycerine filled gauge opposite to regulator	PR63D-32CA	PR63D-31CA	PR63D-34CA	PR63D-33CA	---
Non-filled gauge on regulator(s)	PR63D-32FA	PR63D-31FA	PR63D-34FA	PR63D-33FA	PR63D-35HA
Non-filled gauge opposite to regulator	PR63D-32GA	PR63D-31GA	PR63D-34GA	PR63D-33GA	---

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

* To be used with dual pressure valves (manifolds only).

PLUG-IN OPTIONS

PR63D-xxxx

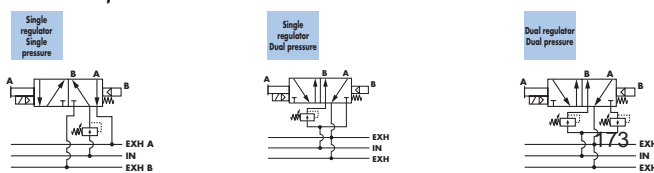
- Replace by 1 for single solenoid plug-in with knob adjustment.

ADJUSTMENT OPTIONS

PR63D-xxxx

- 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



Check the warranty page 277



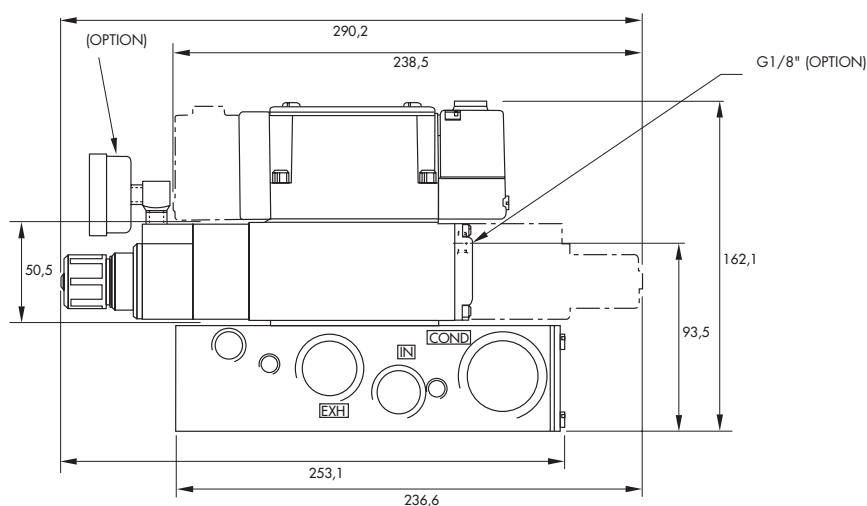
TECHNICAL DATA	
Fluid :	Compressed air, inert gases
Pressure range :	0 to 10 bar
Regulating range :	0 to 10 bar (other ranges see below)
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C to 100°C)
Filtration :	40 µ
Temperature range :	-18°C to 50°C (0°F to 120°F)
Flow :	2400 NI/min

Spare parts :
 • Pressure regulator (less sandwich block) : PR63D-41AA (KNOB), PR63D-D1AA (SLOTTED STEM), PR63D-H1AA (SLOTTED STEM WITH LOCKNUT).
 • Gauges : • Glycerine filled : N-62015-01
 • Non filled : N-62016-01

Regulating range options : PR63D-XXXX
 Replace by B - 0 to 6.7 bar
 Replace by C - 0 to 3 bar

DIMENSIONS

Dimensions shown are metric (mm)



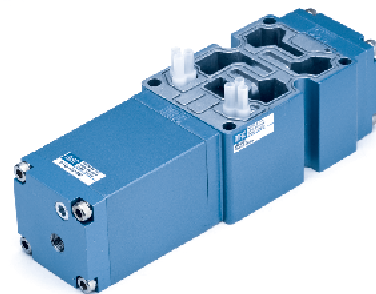


P r e s s u r e r e g u l a t o r s

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	PR63D-2BAA	PR63D-2AAA	PR63D-2DAA	PR63D-2CAA	PR63D-2EAA
Glycerine filled gauge on regulator(s)	PR63D-2BBA	PR63D-2ABA	PR63D-2DBA	PR63D-2CBA	PR63D-2EDA
Glycerine filled gauge opposite to regulator	PR63D-2BCA	PR63D-2ACA	PR63D-2DCA	PR63D-2CCA	—
Non-filled gauge on regulator(s)	PR63D-2BFA	PR63D-2AFA	PR63D-2DFA	PR63D-2CFA	PR63D-2EHA
Non-filled gauge opposite to regulator	PR63D-2BGA	PR63D-2AGA	PR63D-2DGA	PR63D-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	PR63D-3BAA	PR63D-3AAA	PR63D-3DAA	PR63D-3CAA	PR63D-3EAA
Glycerine filled gauge on regulator(s)	PR63D-3BBA	PR63D-3ABA	PR63D-3DBA	PR63D-3CBA	PR63D-3EDA
Glycerine filled gauge opposite to regulator	PR63D-3BCA	PR63D-3ACA	PR63D-3DCA	PR63D-3CCA	—
Non-filled gauge on regulator(s)	PR63D-3BFA	PR63D-3AFA	PR63D-3DFA	PR63D-3CFA	PR63D-3EHA
Non-filled gauge opposite to regulator	PR63D-3BGA	PR63D-3AGA	PR63D-3DGA	PR63D-3CGA	—

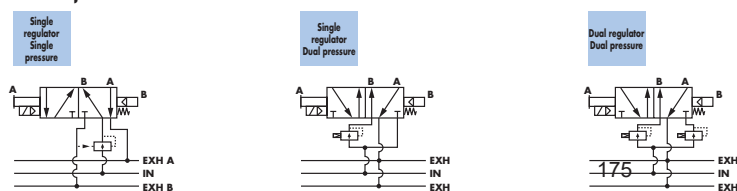
* To be used with dual pressure valves (available only on manifolds).

PLUG-IN OPTIONS

PR63D-xxxx

— Replace by 1 for single solenoid plug-in.

Air adjust



Check the warranty page 277



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

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) :	2400 NI/min

Spare parts :

- Pressure regulator (less sandwich block) : PR63D-4AAA.
- Gauges : • Glycerine filled : N-62015-01
- Non filled : N-62016-01

DIMENSIONS

Dimensions shown are metric (mm)

