

Handhabungstechnik
Motore & Getriebe
Pneumatik
Hydraulik
Systemlösungen

as-tec
Mechatronik GmbH

Produktkatalog

MAC 3/2 Wegeventile **Serie 32 - 1/8**



Über Uns

Die Firma **as-tec Mechatronik GmbH** ist ein herstellerunabhängiger Lieferant von Systemlösungen und Komponenten für pneumatische, hydraulische und elektrische Antriebs- und Steuerungstechnik.

Wir bieten unseren Kunden für ihre Projekte im Maschinen- und Anlagenbau, beziehungsweise für die Instandhaltung ihrer Fertigungseinrichtungen die am besten geeigneten Produkte aus unserem herstellerübergreifenden Produktportfolio.

In unserer Werkstätte produzieren wir kundenspezifische Lösungen wie zum Beispiel Ventileinheiten, Schaltschränke und Sonderzylinder. Weiters halten wir sowohl Standardkomponenten als auch speziell für Kunden bevorratete Produkte auf Lager.



Individual mounting

Sub-base non "plug-in"	Sub-base "plug-in"	Sub-base/manifold base non "plug-in" with latching solenoid	Sub-base/manifold base "plug-in" with latching solenoid
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Manifold mounting

Manifold base non "plug-in"	Manifold base "plug-in"	Sub-base/manifold base non "plug-in" with latching solenoid	Sub-base/manifold base "plug-in" with latching solenoid
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Series

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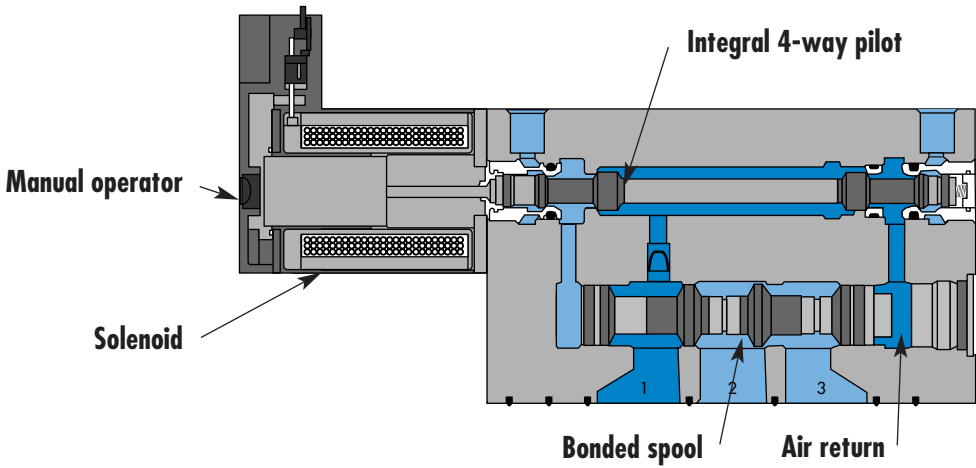
ISO 01

ISO 02

ISO 1

ISO 2

ISO 3



SERIES FEATURES

- High force MACSOLENOID®.
- Integral 4-way pilot design.
- Internal or external pilot.
- Normally open or normally closed function.
- Universal function (external pilot).
- Rectified AC voltage.
- Latching solenoid technology.

Function	Port size	Flow [Max]	Individual mounting	Series
3/2 NO-NC	1/8"	0.4 C_v	Sub-base non "plug-in"	

OPERATIONAL BENEFITS

1. 3-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast, repeatable response times.
5. Maximum shifting forces in both directions.



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HOW TO ORDER

Port size	Pilot air	NO valve	NC valve	Universal valve
Valve less base	Internal	32B-BMA-000-G XXX-XXX	32B-AMA-000-G XXX-XXX	
	External	32B-BMB-000-G XXX-XXX	32B-AMB-000-G XXX-XXX	32B-GMB-000-G XXX-XXX
1/8" NPTF	Internal	32B-BMA-CAL-G XXX-XXX	32B-AMA-CAL-G XXX-XXX	
	External	32B-BMB-CAM-G XXX-XXX	32B-AMB-CAM-G XXX-XXX	32B-GMB-CAM-G XXX-XXX

Note : Above codes are for side port.

STANDARD SOLENOID OPERATOR >

G XXX-XXX *					
XX Voltage	X Wire length	X Manual operator	XX Electrical connection		
AA 120 VAC (2.5W)	A 18"	1 Non-locking recessed	BA Flying leads		
DA 24 VDC (1.0W)	B 24"	2 Locking recessed	BT Flying leads with light		
DC 24 VDC (1.8W)	C 36"		GA MAC JAC Solenoid plug-in w/Diode		
DD 24 VDC (2.5W)			GB MAC JAC Solenoid plug-in w/Diode		
DF 24 VDC (4.0W)			GC MAC JAC Solenoid plug-in w/MOV		
			GD MAC JAC Solenoid plug-in w/LED		
			GE MAC JAC Solenoid plug-in w/Diode & LED		
			GF MAC JAC Solenoid plug-in w/MOV & LED		
			GG MAC JAC Solenoid plug-in w/Rectifier		
			GH MAC JAC Solenoid plug-in w/Rectifier & LED		
			KA Plug-in wire assy.		
			KT Plug-in wire assy. with light		
			KD Plug-in wire assy. with rectifier & light & ground		

Note : AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid also available, see page 41.

With MAC JAC electrical connector washdown capability is possible.

Consult factory for modification number.

OPTIONS

Pilot/Base Configuration :

32B- xM-x-Ax-Gxxx-xxx	
A Individual base – Side port	
B Individual base – Bottom port	
M Pilot exhaust muffled	
P Pilot exhaust piped (# 10-32)	
U Pilot exhaust to main exhaust (not available with external pilot)	

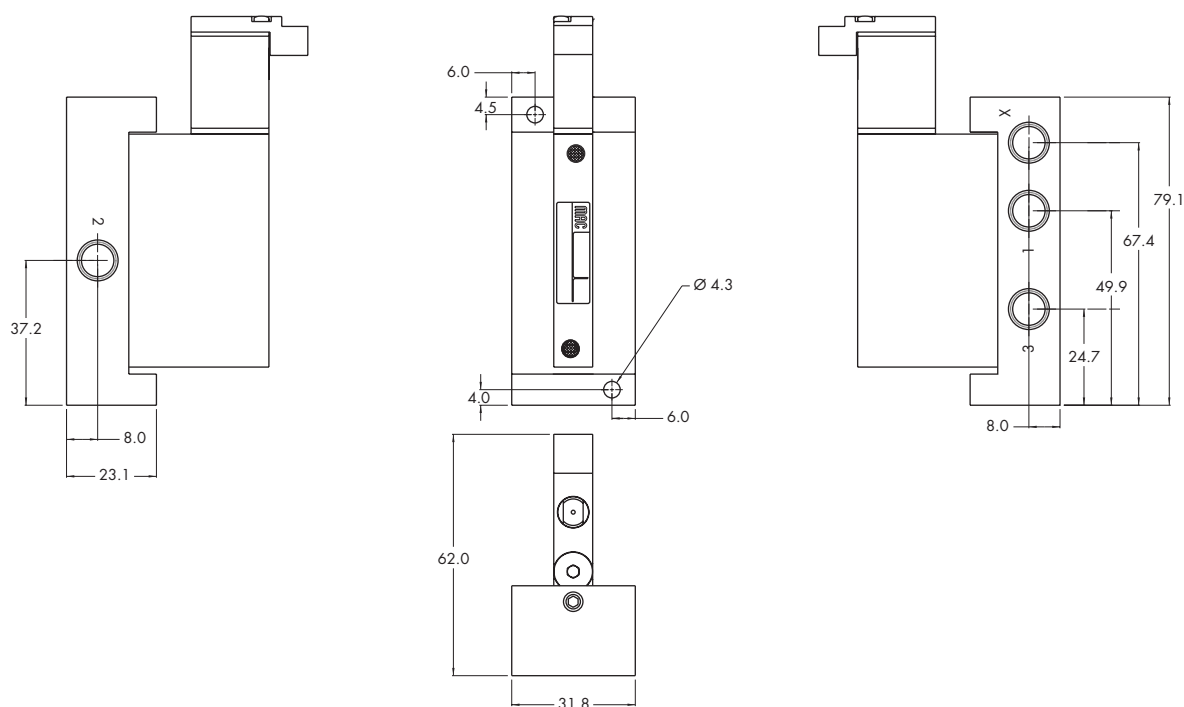
TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot : 20 to 120 PSI External Pilot : Vacuum to 120 PSI
Pilot pressure :	20 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	1/8" : (0.40 C _v)
Coil :	Class A wire (#22 AWG x 18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options : • BSPP threads

DIMENSIONS

Dimensions shown are metric (mm)



Function	Port size	Flow [Max]	Individual mounting	Series
3/2 NO-NC	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	Sub-base "plug-in"	

OPERATIONAL BENEFITS

1. 3-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast, repeatable response times.
5. Maximum shifting forces in both directions.



HOW TO ORDER

Port size	Pilot air	NO valve	NC valve	Universal valve
Valve less base	Internal	32B-BMA-000-G xxP-xxx	32B-AMA-000-G xxP-xxx	
	External	32B-BMB-000-G xxP-xxx	32B-AMB-000-G xxP-xxx	32B-GMB-000-G xxP-xxx
# 10-32	Internal	32B-BMA-AAA-G xxP-xxx	32B-AMA-AAA-G xxP-xxx	
	External	32B-BMB-AAB-G xxP-xxx	32B-AMB-AAB-G xxP-xxx	32B-GMB-AAB-G xxP-xxx
1/4" O.D. Tube receptacle	Internal	32B-BMA-EAA-G xxP-xxx	32B-AMA-EAA-G xxP-xxx	
	External	32B-BMB-EAB-G xxP-xxx	32B-AMB-EAB-G xxP-xxx	32B-GMB-EAB-G xxP-xxx

Note : Above codes are for side port.

STANDARD SOLENOID OPERATOR ►

G **xxP-xxx***

xx Voltage	x Manual operator	xx Electrical connection
AA 120 VAC (2.5W)	1 Non-locking recessed	SA Base plug-in
DA 24 VDC (1.0W)	2 Locking recessed	SJ Base plug-in with light
DC 24 VDC (1.8W)		SS Base plug-in with rectifier & light & ground
DD 24 VDC (2.5W)		
DF 24 VDC (4.0W)		

Note : AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid also available, see page 43.

Washdown capability is possible, consult factory for modification number.

OPTIONS

Pilot/Base Configuration :

32B-**xMx-xAx-GxxP-xxx**

- A** Individual base – Side port
- B** Individual base – Bottom port
- M** Pilot exhaust muffled
- P** Pilot exhaust piped (# 10-32)
- U** Pilot exhaust to main exhaust (not available with external pilot)

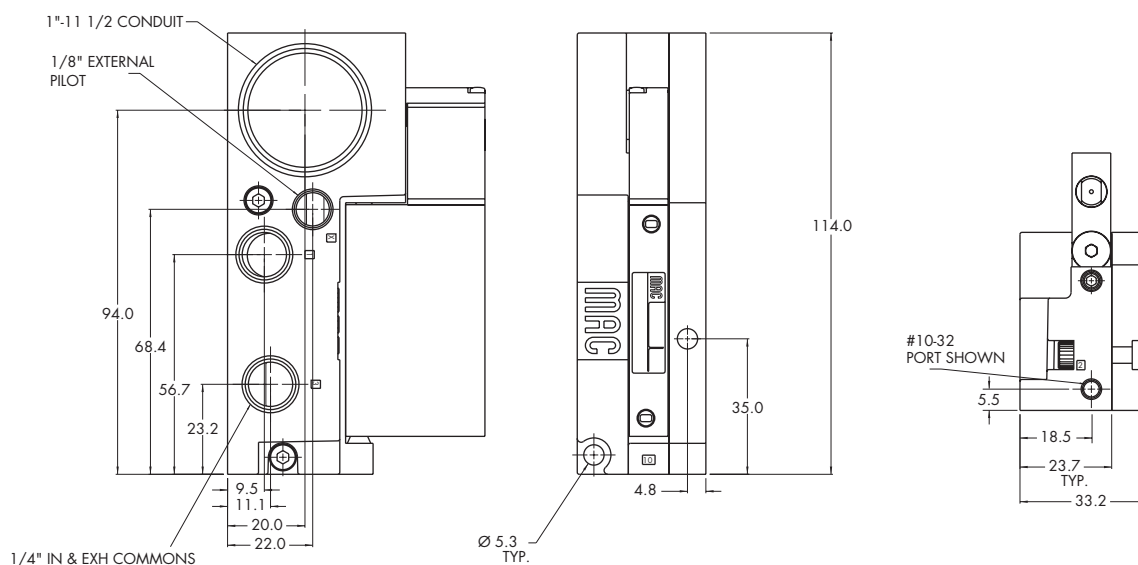
TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot : 20 to 120 PSI External Pilot : Vacuum to 120 PSI
Pilot pressure :	20 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) - 1/4 tube receptacle : (0.40 C _v)
Coil :	Class A continuous duty, #22 AWG x 12 base leads
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options : • M5 port • M7 port • 6 mm O.D. tube receptacle

DIMENSIONS

Dimensions shown are metric (mm)



Function	Port size	Flow [Max]	Individual mounting	Series
3/2 NO-NC	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	Manifold base non "plug-in"	

OPERATIONAL BENEFITS

1. 3-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast, repeatable response times.
5. Maximum shifting forces in both directions.



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ISO 01

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HOW TO ORDER

Port size	Pilot air	NO valve	NC valve	Universal valve
Valve less base	Internal	32B-BMA-000-Gxxx-xxx	32B-AMA-000-Gxxx-xxx	
	External	32B-BMB-000-Gxxx-xxx	32B-AMB-000-Gxxx-xxx	32B-GMB-000-Gxxx-xxx
# 10-32	Internal	32B-BMA-AJL-Gxxx-xxx	32B-AMA-AJL-Gxxx-xxx	
	External	32B-BMB-AJM-Gxxx-xxx	32B-AMB-AJM-Gxxx-xxx	32B-GMB-AJM-Gxxx-xxx
1/4" O.D.	Internal	32B-BMA-EJL-Gxxx-xxx	32B-AMA-EJL-Gxxx-xxx	
Tube receptacle	External	32B-BMB-EJM-Gxxx-xxx	32B-AMB-EJM-Gxxx-xxx	32B-FMB-EJM-Gxxx-xxx

Note : Above codes are for side port.

STANDARD SOLENOID OPERATOR ➤

G **xxx-xxx***

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
AA 120 VAC (2.5W)	A 18"	1 Non-locking recessed	BA Flying leads
DA 24 VDC (1.0W)	B 24"	2 Locking recessed	BT Flying leads with light
DC 24 VDC (1.8W)	C 36"		GA MAC JAC Solenoid plug-in
DD 24 VDC (2.5W)			GB MAC JAC Solenoid plug-in w/Diode
DF 24 VDC (4.0W)			GC MAC JAC Solenoid plug-in w/MOV
			GD MAC JAC Solenoid plug-in w/LED
			GE MAC JAC Solenoid plug-in w/Diode & LED
			GF MAC JAC Solenoid plug-in w/MOV & LED
			GG MAC JAC Solenoid plug-in w/Rectifier
			GH MAC JAC Solenoid plug-in w/Rectifier & LED
			KA Plug-in wire assy.
			KT Plug-in wire assy. with light
			KD Plug-in wire assy. with rectifier & light & ground

Note : AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid also available, see page 41.

With MAC JAC electrical connector washdown capability is possible.

Consult factory for modification number.

OPTIONS

Base only :

32B-000-xxx
(i.e. 32B-000-AJL)

Base/Pilot Configuration :

32B-**xMx-JJx-Gxxx-xxx**

- J** Manifold base – Side port
- K** Manifold base – Bottom port

- M** Pilot exhaust muffled
- P** Pilot exhaust piped (# 10-32)
- U** Pilot exhaust to main exhaust (not available with external pilot)

Note : Manifold assemblies require an end plate kit :

M-32003-01-01 (Internal pilot)
M-32003-02-01 (External pilot)

TECHNICAL DATA

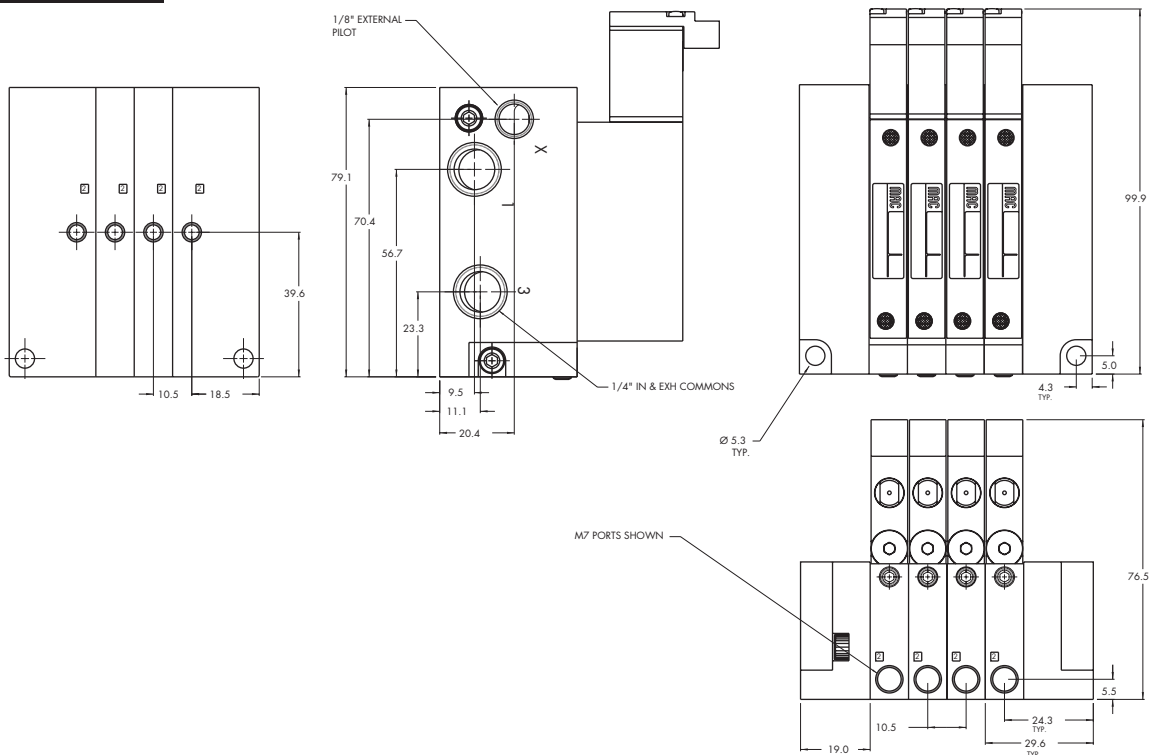
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot : 20 to 120 PSI External Pilot : Vacuum to 120 PSI
Pilot pressure :	20 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) - 1/4 tube receptacle : (0.40 C _v)
Coil :	Class A wire (#22 AWG x 18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options :

- M5 port • M7 port • 6 mm O.D. tube receptacle
- Inlet/Exhaust Isolator : 28454

DIMENSIONS

Dimensions shown are metric (mm)



Function	Port size	Flow [Max]	Individual mounting	Series
3/2 NO-NC	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	Manifold base "plug-in"	

OPERATIONAL BENEFITS

1. 3-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast, repeatable response times.
5. Maximum shifting forces in both directions.



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ISO 01

ISO 02

ISO 1

ISO 2

ISO 3

HOW TO ORDER

Port size	Pilot air	NO valve	NC valve	Universal valve
Valve less base	Internal	32B-BMA-000-G xxP-xxx	32B-AMA-000-G xxP-xxx	
	External	32B-BMB-000-G xxP-xxx	32B-AMB-000-G xxP-xxx	32B-GMB-000-G xxP-xxx
# 10-32	Internal	32B-BMA-AJA-G xxP-xxx	32B-AMA-AJA-G xxP-xxx	
	External	32B-BMB-AJB-G xxP-xxx	32B-AMB-AJB-G xxP-xxx	32B-GMB-AJB-G xxP-xxx
1/4" O.D.	Internal	32B-BMA-EJA-G xxP-xxx	32B-AMA-EJA-G xxP-xxx	
Tube receptacle	External	32B-BMB-EJB-G xxP-xxx	32B-AMB-EJB-G xxP-xxx	32B-GMB-EJB-G xxP-xxx

Note : Above codes are for side port.

STANDARD SOLENOID OPERATOR ►

G **xx** P-**xxx***

xx Voltage	x Manual operator	xx Electrical connection
AA 120 VAC (2.5W)	1 Non-locking recessed	SA Base plug-in
DA 24 VDC (1.0W)	2 Locking recessed	SJ Base plug-in with light
DC 24 VDC (1.8W)		SS Base plug-in with rectifier & light & ground
DF 24 VDC (2.5W)		
DF 24 VDC (4.0W)		

Note : AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid also available, see page 43.

Washdown capability is possible, consult factory for modification number.

OPTIONS

Base only :

32B-000-**xxx**
(i.e. 32B-000-AJA)

Base Configuration :

32B-**xxx-xj**x-G**xx**P-**xxx**

- J** Manifold base – Side port
- K** Manifold base – Bottom port
- L** Left end manifold base – Side port
- M** Left end manifold base – Bottom port
- N** Right end manifold base – Side port
- P** Right end manifold base – Bottom port

Note : Manifold assemblies consist of (1) left end manifold, (1) right end manifold and middle station manifolds (options "J" or "K").

TECHNICAL DATA

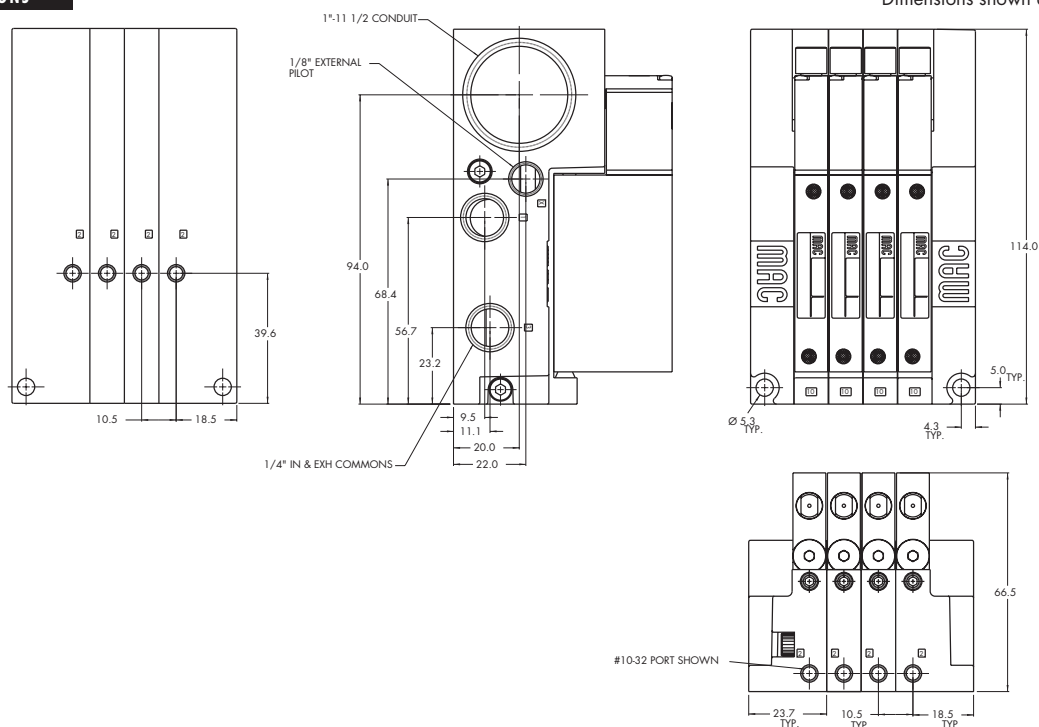
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot : 20 to 120 PSI External Pilot : Vacuum to 120 PSI
Pilot pressure :	20 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) - 1/4 tube receptacle : (0.40 C _v)
Coil :	Class A continuous duty, #22 AWG x 12 base leads
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options :

- M5 port • M7 port • 6 mm O.D. tube receptacle
- Inlet/Exhaust Isolator : 28454

DIMENSIONS

Dimensions shown are metric (mm)





Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ➤ **G XX X-X XX**
1 2 3 4

OPTIONS AVAILABLE FOR

- Solenoid valves 32, 34, 38, 42, 44 & 48 Series

1. VOLTAGE

G-XX X-X XX	VOLTAGE
AA	120 VAC (2.5W) Requires electrical connector with rectifier
AC	24 VAC (4.0W) Requires electrical connector with rectifier
DA	24 VDC (1.0W)
DC	24 VDC (1.8W)
DD	24 VDC (2.5W)
DE	24 VDC (3.0W)
DF	24 VDC (4.0W)
DG	12 VDC (1.0W)
DJ	12 VDC (1.8W)
DK	12 VDC (2.5W)
DM	12 VDC (3.0W)
DN	12 VDC (4.0W)
DR	6 VDC (1.8W)
DS	6 VDC (3.0W)
EB	48 VDC (1.8W)
EC	48 VDC (3.0W)
ED	120 VDC (2.5W)
GD	12 VDC (0.5W) 34 series only
GE	24 VDC (0.5W) 34 series only

2. WIRE LENGTH

G-XX X-X XX	WIRE LENGTH
0	No lead wires (used only with "KJ" & "KM" connectors)
A	18" coil leads
B	24" coil leads
C	36" coil leads
D	48" coil leads
E	72" coil leads
F	96" coil leads
G	120" coil leads
H	144" coil leads
1	18" base leads
2	24" base leads
3	36" base leads
4	48" base leads
5	72" base leads
6	96" base leads
7	120" base leads

3. MANUAL OPERATOR

G-XX X-X XX	MANUAL OPERATOR
1	Non-locking recessed
2	Locking recessed
3	Non-locking extended
4	Locking extended

4. ELECTRICAL CONNECTION

G-XX X-X XX	ELECTRICAL CONNECTION
BA	Flying leads
BB	BA with ground wire
BC	BA with light
BD	BA with light and ground wire
BE	BA with suppression diode
BF	BA with suppression diode and ground wire
BG	BA with suppression diode and light
BH	BA with suppression diode, light and ground wire
BN	BA with suppression diode and blocking diode
BP	BA with suppression diode, blocking diode and ground wire
BR	BA with suppression diode, blocking diode and light
BS	BA with suppression diode, blocking diode, light and ground wire
GA	MAC JAC Solenoid plug-in
GB	MAC JAC Solenoid plug-in w/Diode
GC	MAC JAC Solenoid plug-in w/MOV
GD	MAC JAC Solenoid plug-in w/LED
GE	MAC JAC Solenoid plug-in w/Diode & LED
GF	MAC JAC Solenoid plug-in w/MOV & LED
GG	MAC JAC Solenoid plug-in w/Rectifier
GH	MAC JAC Solenoid plug-in w/Rectifier & LED
KA	Solenoid plug-in wire assembly
KB	KA with ground
KC	KA with rectifier and light
KD	KA with rectifier, light and ground
KE	KA with suppression diode
KF	KA with suppression diode and ground
KJ	Solenoid plug-in housing without wire assembly
KM	Solenoid plug-in housing with ground pin without wire assembly
KN	KA with suppression diode and blocking diode
KP	KA with suppression diode, blocking diode and ground
KT	KA with light
KU	KA with light and ground
KV	KA with suppression diode and light
KW	KA with suppression diode, light and ground
KX	KA with suppression diode, blocking diode and light
KY	KA with suppression diode, blocking diode, light & ground

ELECTRICAL CONNECTION FOR PLUG-IN VALVES

G-XX X-X XX	PLUG-IN OPTIONS
SB	Base plug-in with ground
SC	Base plug-in with suppression and blocking diode
SD	Base plug-in with suppression and blocking diode and ground
SE	Base plug-in with MOV
SF	Base plug-in with MOV and ground
SG	Base plug-in with rectifier
SH	Base plug-in with rectifier and ground
SK	Base plug-in with light and ground
SL	Base plug-in with suppression and blocking diode and light
SM	Base plug-in with suppression and blocking diode with light and ground
SN	Base plug-in with MOV and light
SP	Base plug-in with MOV and light with ground
SR	Base plug-in with rectifier and light

How To Order Non Plug-In Circuit Bar For 32 Series

EBM 32A - XX X X X - XX - 9

Valves, Cover Plates Assembled to Bar
Number of stations

SPACING	CONFIGURATION	STYLE	CYL. PORT SIZE
00 10.5mm	A Side Cyl. Port B Bottom Cyl. Port C* Side Cyl. Port w/ Flow Control D* Bottom Cyl. Port w/ Flow Control E* Side Cyl. Port w/ Regulator F* Bottom Cyl. Port w/ Regulator G* Side Cyl. Port w/ Regulator & F.C. H* Bottom Cyl. Port w/ Regulator & F.C.	Internal Pilot A St'd Bar B Add-On Style Bar External Pilot D St'd Bar E Add-On Style Bar	w/ NPTF Common Ports A 10-32 B M5 C M7 D 5/32 Tube Receptacle* E 6mm Tube Receptacle** F 1/4" Tube Receptacle** w/ BSPPL Common Ports G M5 H M7 J 5/32 Tube Receptacle* K 6mm Tube Receptacle** L 1/4" Tube Receptacle** w/ BSPTR Common Ports M M5 N M7 P 5/32 Tube Receptacle* R 6mm Tube Receptacle** S 1/4" Tube Receptacle**

* Not available with Add-On style options "B" & "E"

Use regulator PR42A-C0AA
Must be ordered separately

End Plate Kit Included
w/ styles "B" and "E"

End Plate Kits and Parts

M-32004-01(*)	Right Hand End Plate Kit For Internal Pilot
M-32004-02(*)	Right Hand End Plate Kit For External Pilot
17014-01	O-Ring, Through Port Seal (3 Required)
35240	End Plate Mounting Screw (2 Required)
28454	Isolator Disc Inlet and Exhaust
28455	Isolator Disc Pilot Supply Port
32625	6mm Tube Receptacle
32627	1/4" Tube Receptacle

(*) = P - BSPPL, T - BSPTR, Blank - St'd NPTF

* Pressed-In

** Screw-In

How To Order Plug-In Circuit Bar For 32 Series

ECD 32A - XX X X X - XX XX - 9

Valves, Cover Plates Assembled to Bar
Number of stations

SPACING	
00	10.5mm

CONFIGURATION	
A	Side Cyl. Port
B	Bottom Cyl. Port
C*	Bottom Cyl. Port w/ Regulator
D*	Bottom Cyl. Port w/ Flow Control

* Not available with Add-On style options "B" & "E"

Use regulator PR42A-C0AA
Must be ordered separately

STYLE	
Internal Pilot	
A	St'd Bar
B	Add-On Style Bar
External Pilot	
D	St'd Bar
E	Add-On Style Bar

End Plate Kit Included
w/ styles "B" and "E"

CYL. PORT SIZE	
w/ NPTF Common Ports	
A	10-32
B	M5
C	M7
D	5/32 Tube Receptacle*
E	6mm Tube Receptacle**
F	1/4" Tube Receptacle**
w/ BSPPL Common Ports	
G	M5
H	M7
J	5/32 Tube Receptacle*
K	6mm Tube Receptacle**
L	1/4" Tube Receptacle**
w/ BSPTR Common Ports	
M	M5
N	M7
P	5/32 Tube Receptacle*
R	6mm Tube Receptacle**
S	1/4" Tube Receptacle**

* Pressed-In

** Screw-In

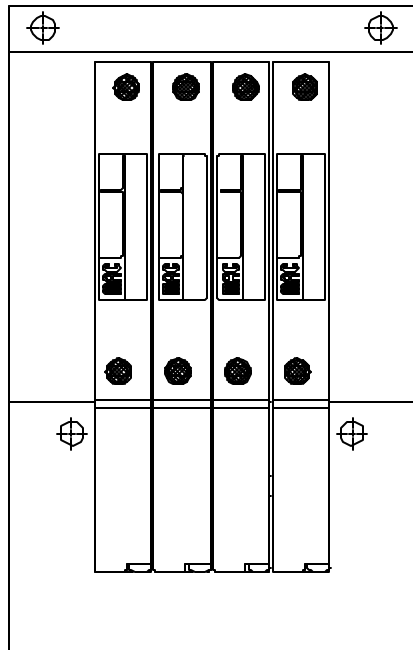
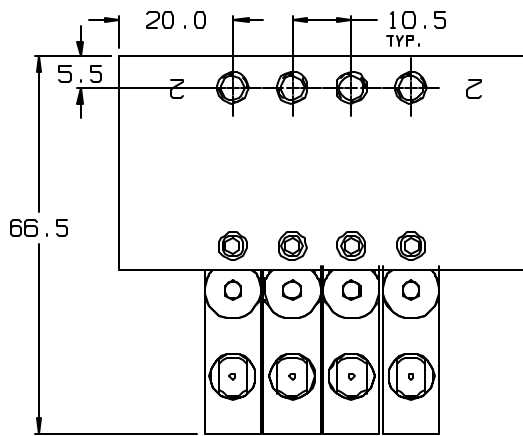
BASE ELECTRICAL	
A0	Plug-In, 2 Wires (Latching)
B0	Plug-In, 2 Wires w/ Ground Wire (St'd)
C0	Plug-In, 4 Wires (Latching)
D0	Plug-In, 4 Wires w/ Ground Wire (Latching)
E0	Plug-In, 3 Wires (Latching)

End Plate Kits and Parts

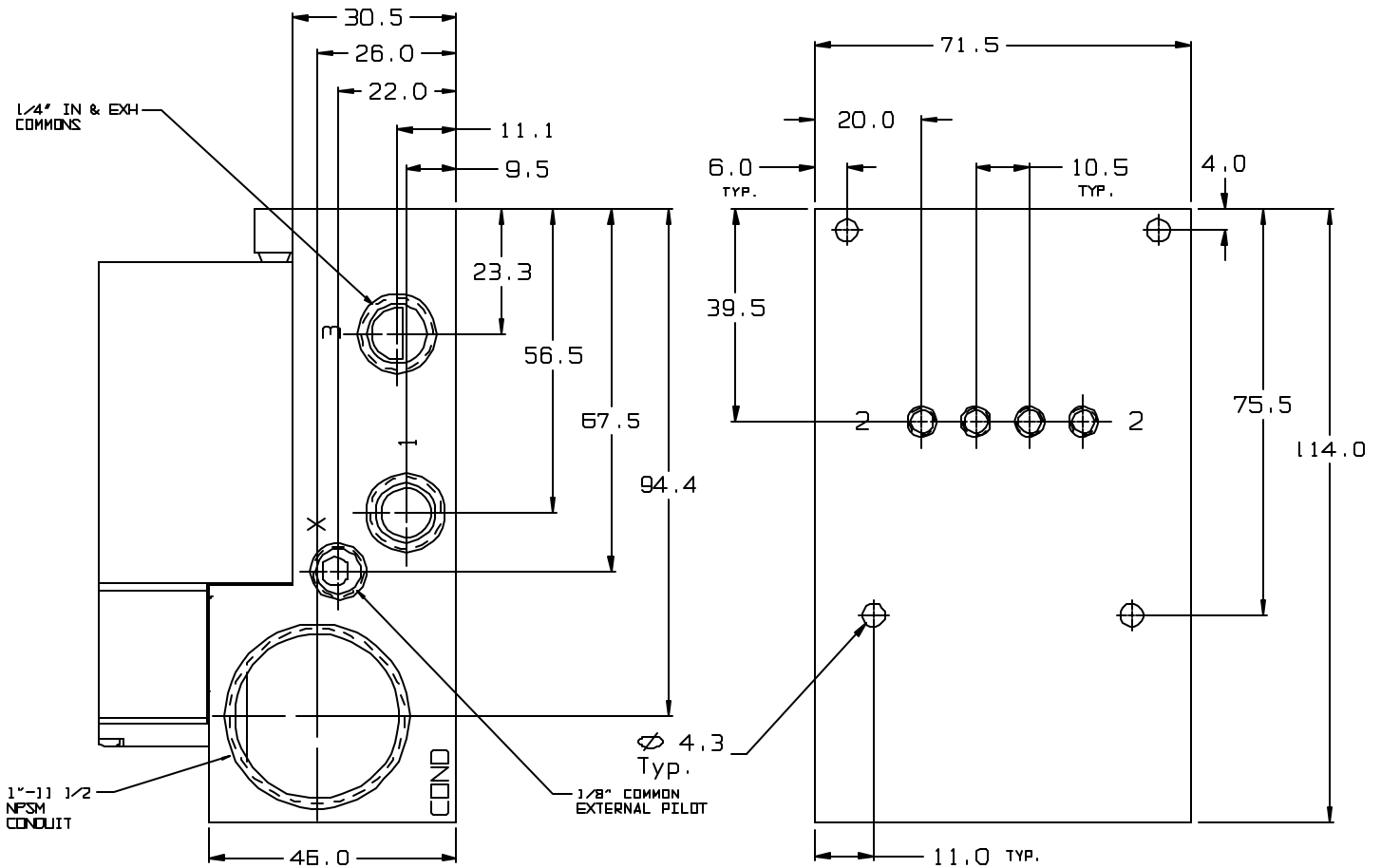
M-32005-01(*)	End Plate Kit For Add-On Style Bars Internal Pilot
M-32005-02(*)	End Plate Kit For Add-On Style Bars External Pilot
E-34041-018G	Base Lead Wire Assy w/Ground Wire St'd
17014-01	O-Ring Port Seal
79091	Tie Rods (10.5mm)
79091-04/-08	Tie Rod (4 Station - 8 Station)
28485	Isolator Disc. Inlet & Exhaust
28455	Common Pilot Supply Isolator
32625	6mm Tube Receptacle
32627	1/4" Tube Receptacle

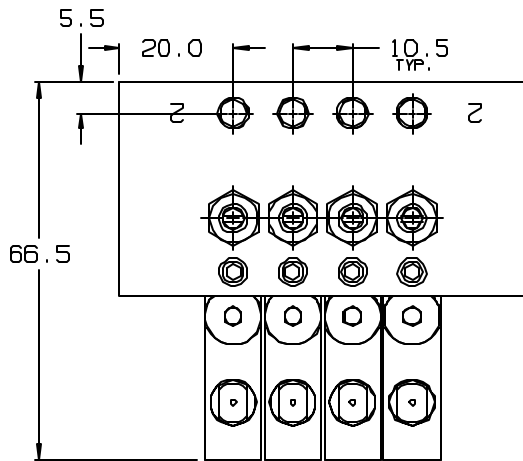
(*) = P - BSPPL, T - BSPTR, Blank - St'd NPTF

32 SERIES PLUG-IN BAR



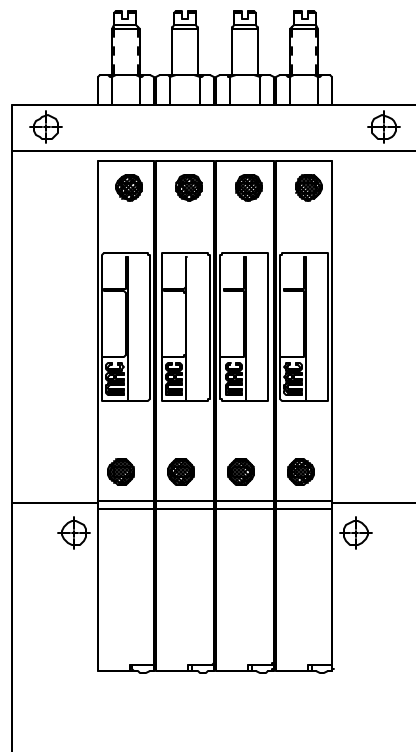
NOTE:
 -ALL DIMENSIONS SHOWN
 ARE IN MILLIMETERS
 -TOLERANCES ON DIMENSIONS ± 0.2
 -SIDE OR BOTTOM PORTS AVAILABLE



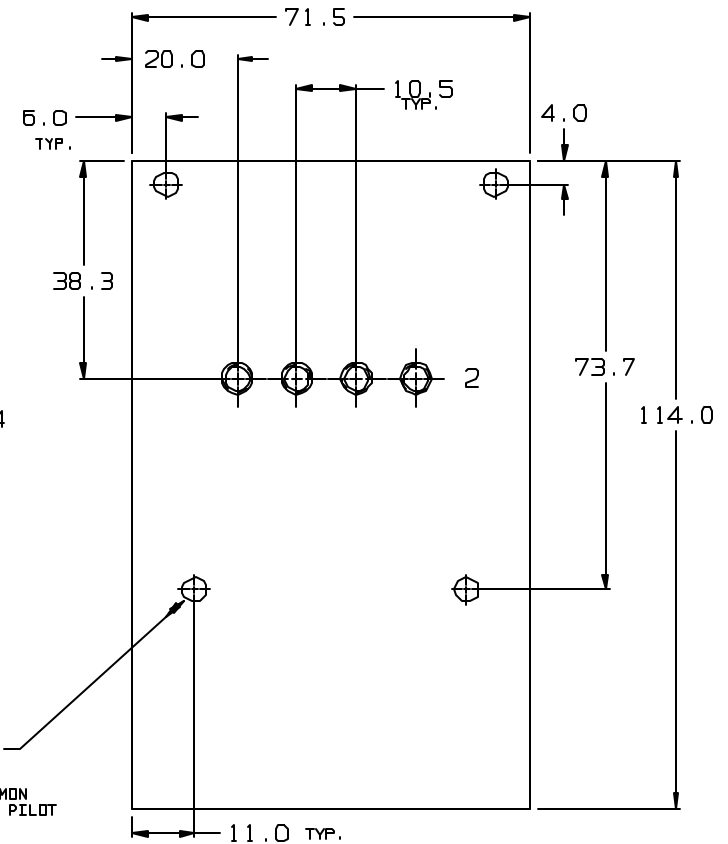
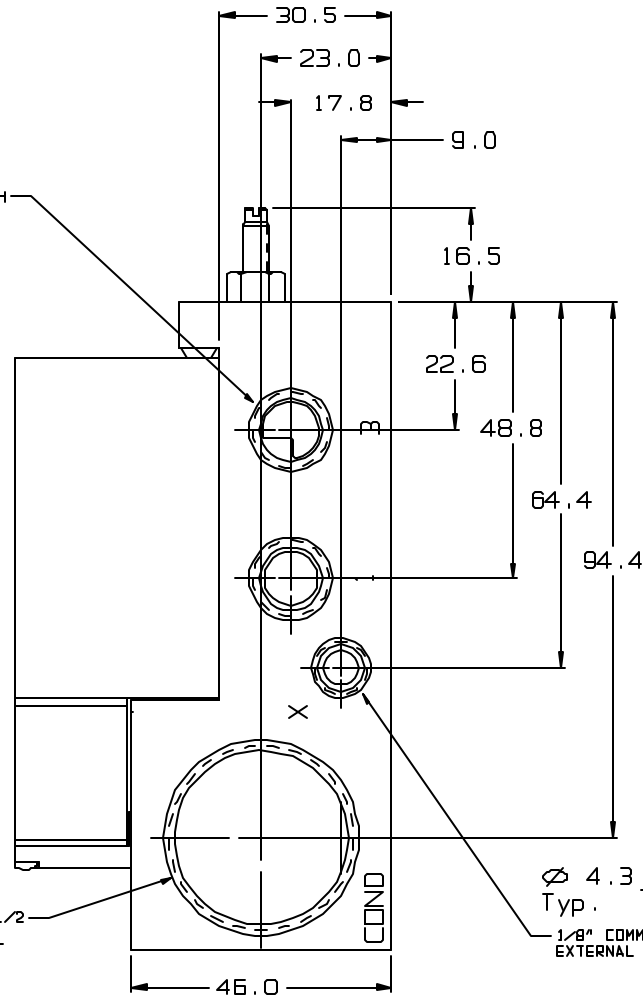


32 SERIES PLUG-IN BAR WITH SIDE FLOW CONTROL

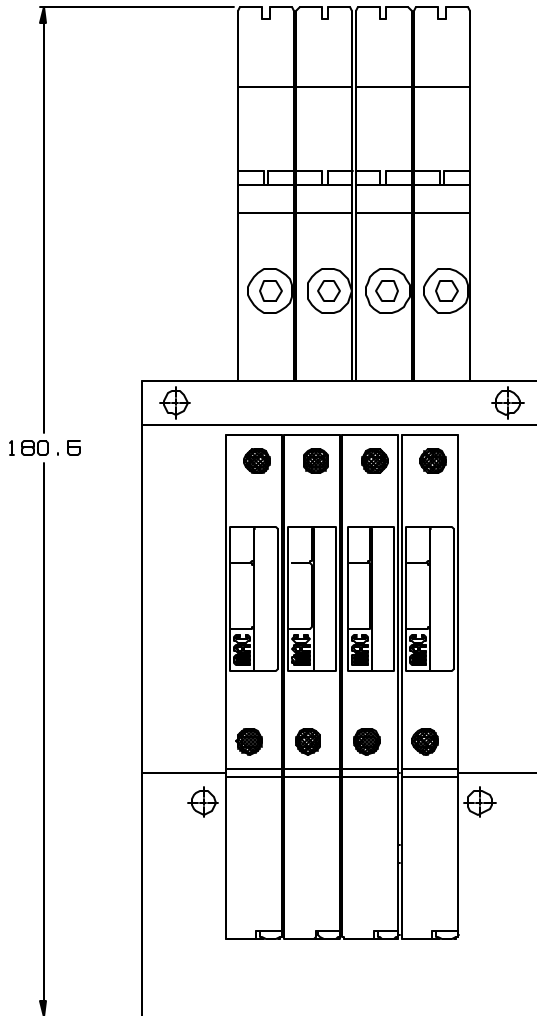
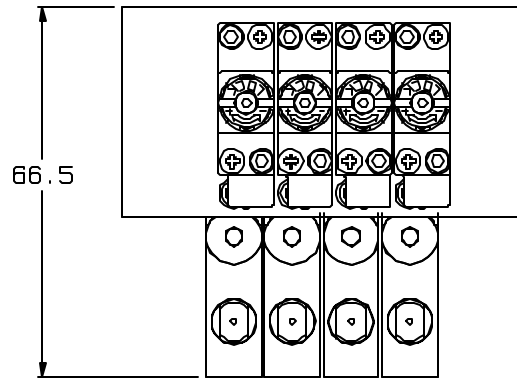
NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2
-SIDE OR BOTTOM PORTS AVAILABLE



1/4" IN & EXH
COMMONS

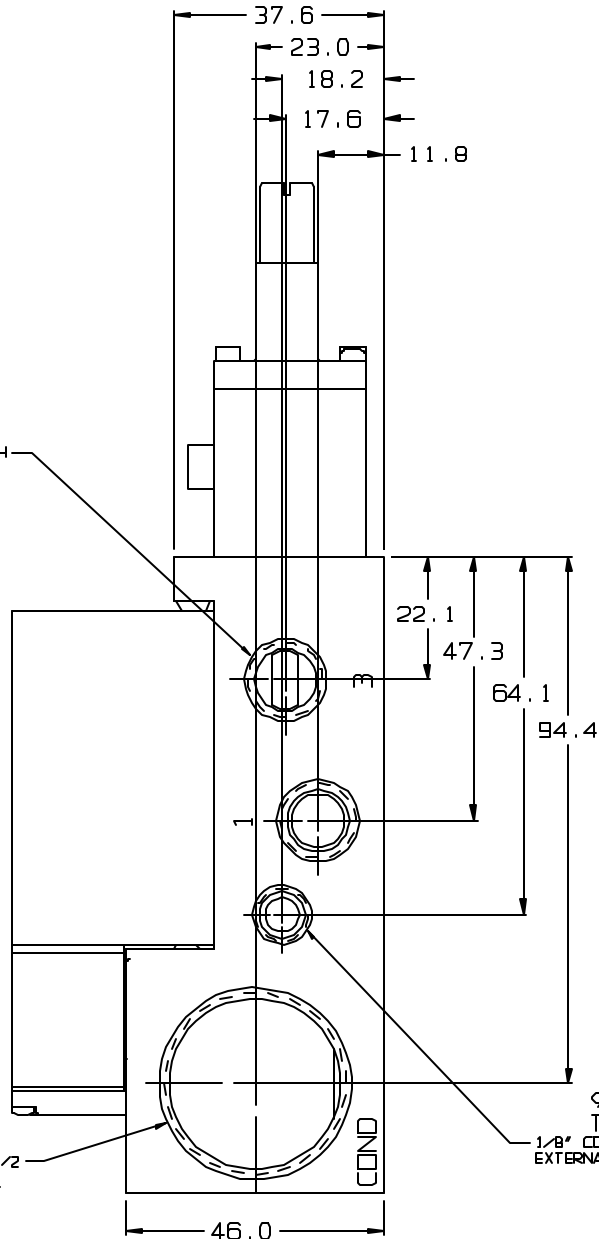


32 SERIES PLUG-IN BAR WITH SIDE REGULATOR

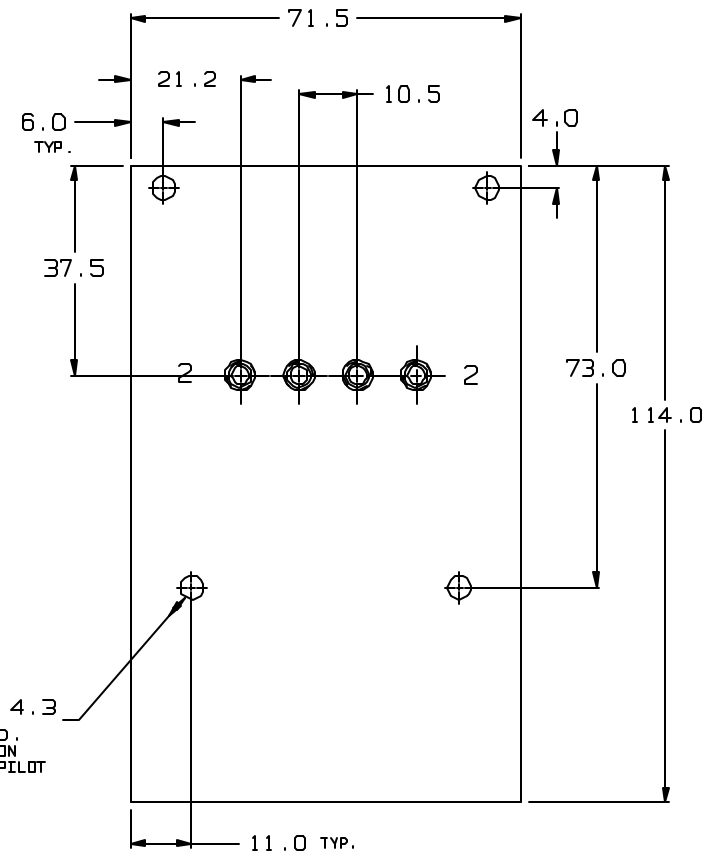


1/4" IN & EXH
COMMONS

1" - 1 1/2"
NPSM
CONDUIT

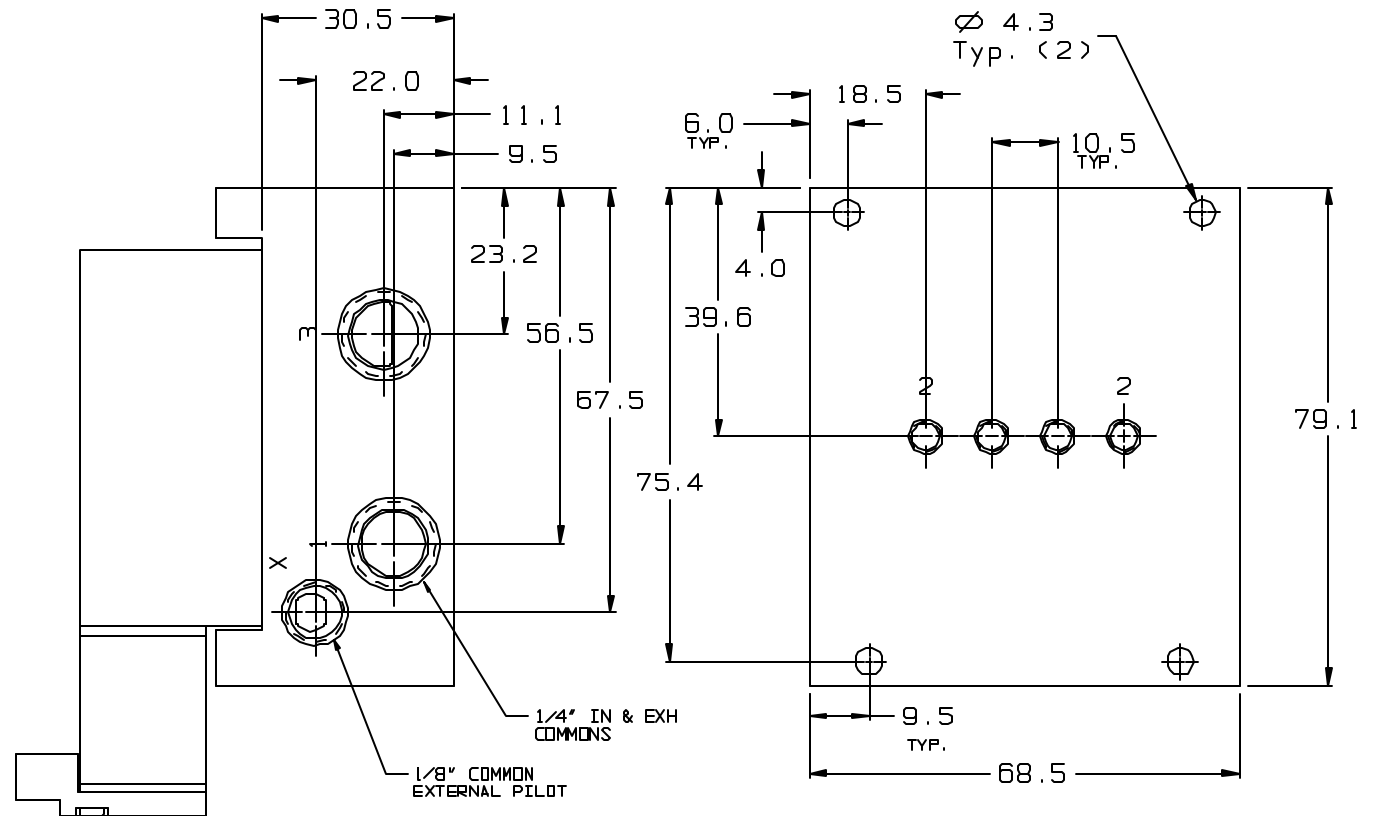


NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2

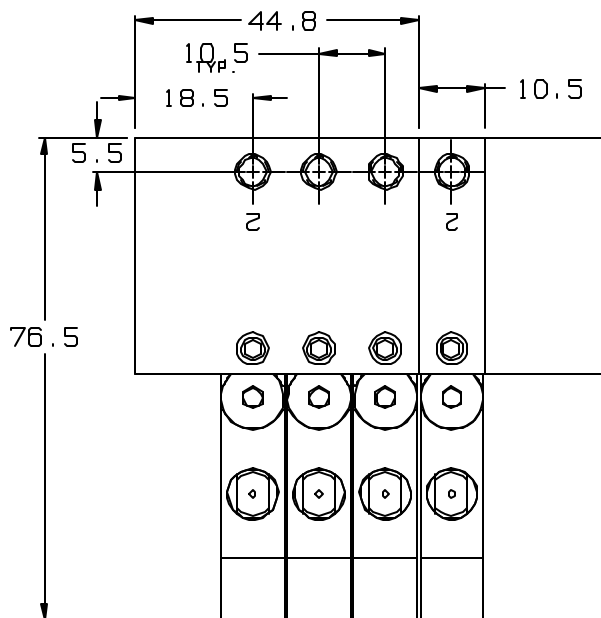


$\varnothing 4.3$
TYP.
COMMON
EXTERNAL PILOT

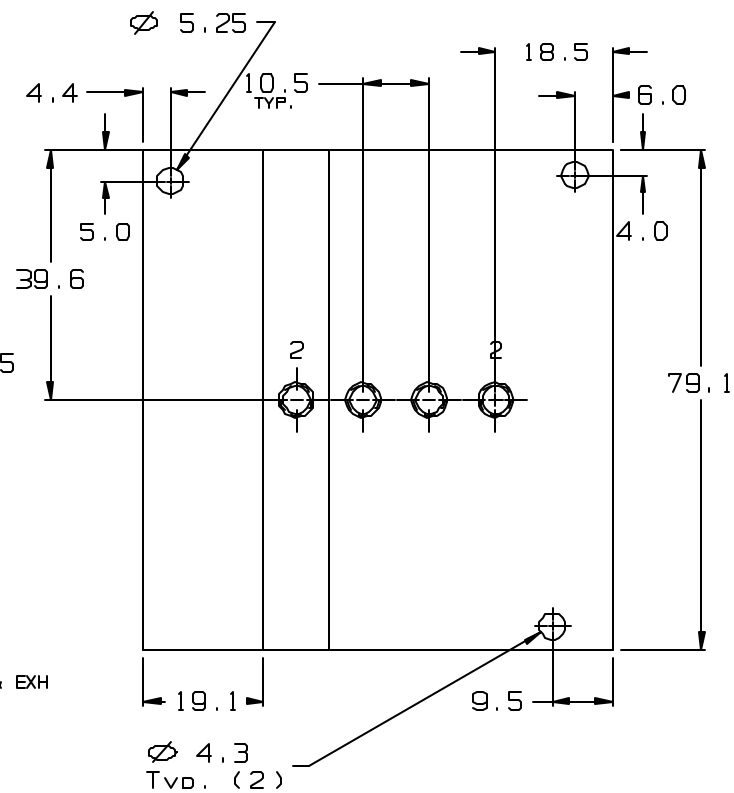
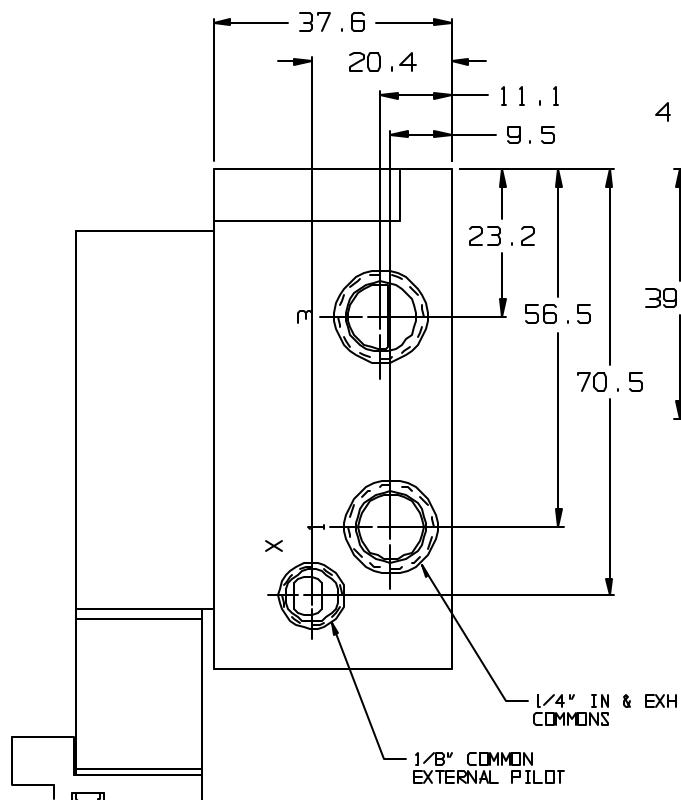
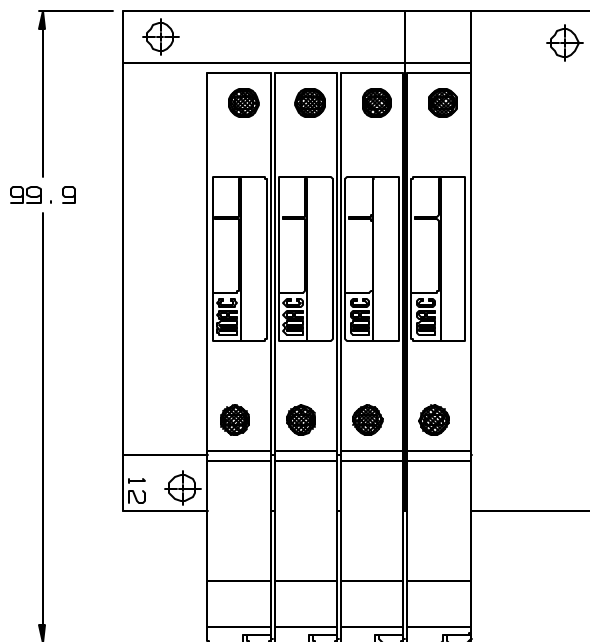
Technical drawing of a 4x4 grid of holes. The overall width is 76.5. The distance from the left edge to the center of the first column of holes is 18.5. The distance between the centers of adjacent columns is 10.5 TYP. The distance from the top edge to the center of the first row of holes is 5.5. The holes are arranged in a 4x4 grid. The top row of holes is labeled with a '2' below each hole. The bottom row of holes is labeled with a 'D' inside each hole. The drawing shows the top view of the plate with the holes.



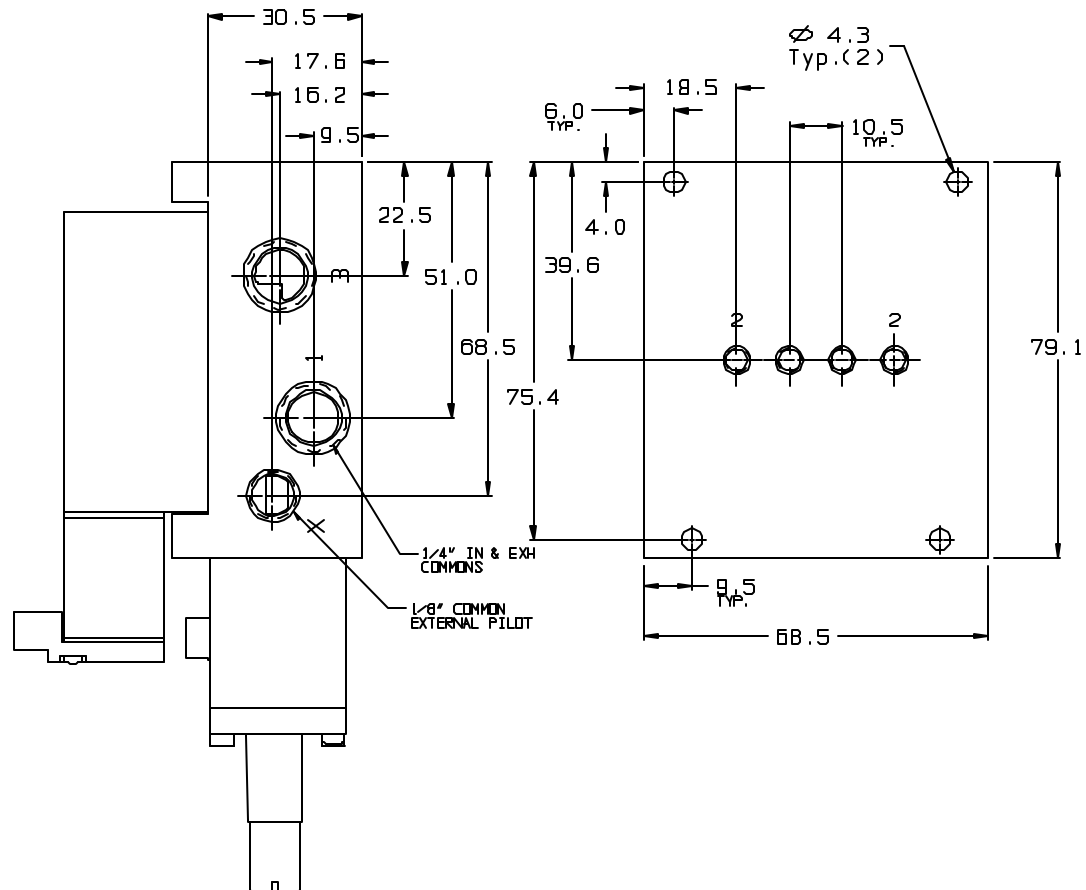
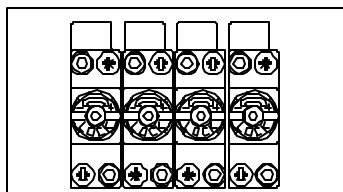
32 SERIES NON PLUG-IN ADD ON BAR

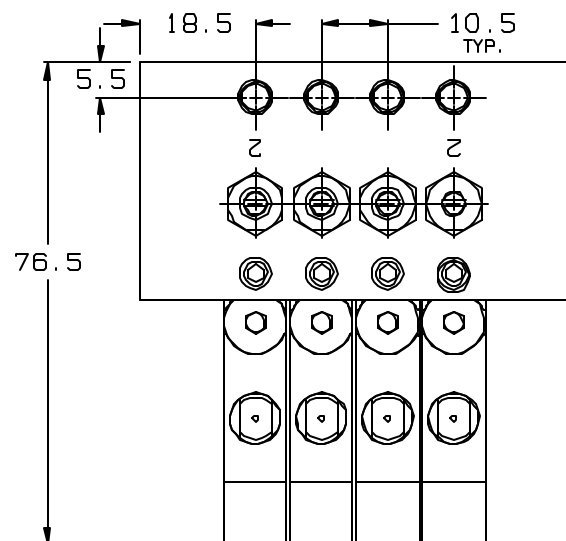


NOTE:
 -ALL DIMENSIONS SHOWN
 ARE IN MILLIMETERS
 -TOLERANCES ON DIMENSIONS ± 0.2
 -SIDE OR BOTTOM PORTS AVAILABLE



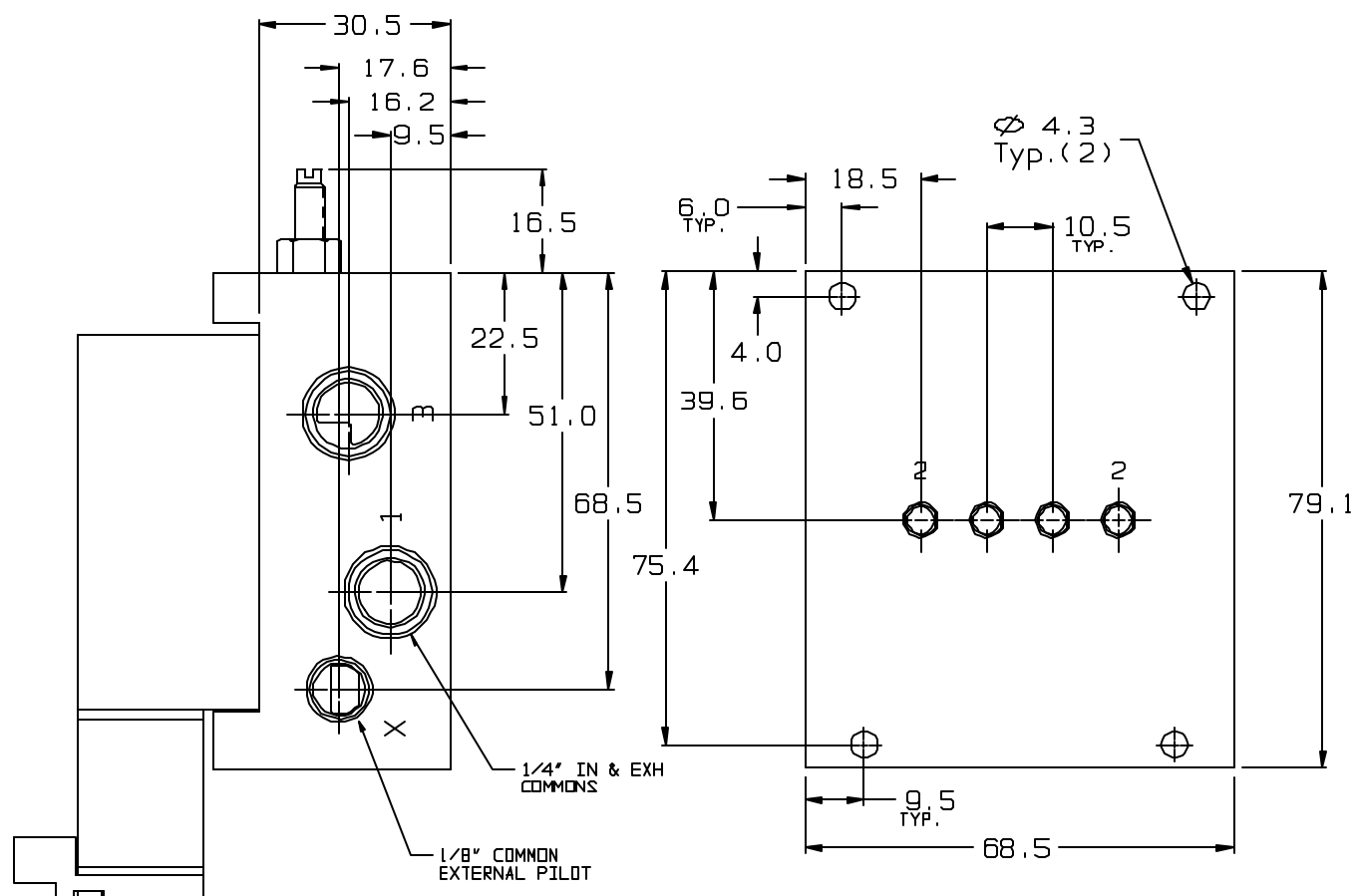
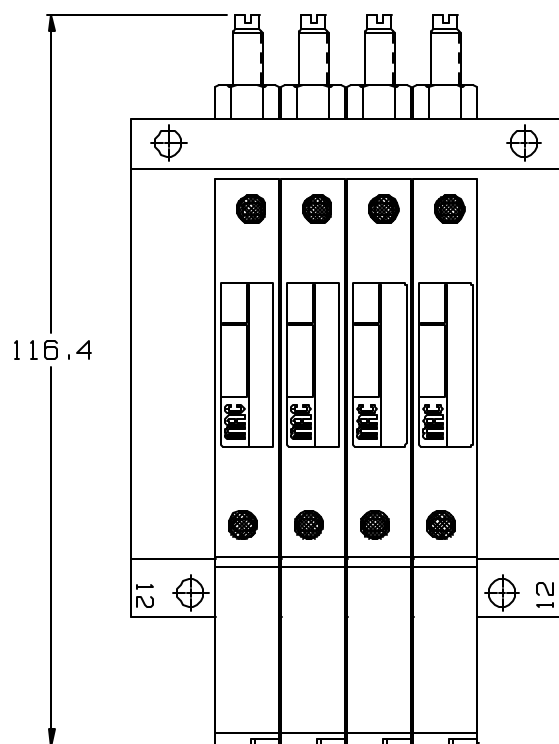
Technical drawing of a 4x4 grid of holes. The overall width is 76.5. The distance from the left edge to the first column of holes is 5.5. The distance between the first and second columns is 18.5. The distance between the third and fourth columns is 10.5, labeled as 'TYP.'. The distance from the second to the third column is also 18.5. The distance from the top edge to the center of the first row of holes is 5.5. The distance from the top edge to the center of the second row of holes is 18.5. The distance from the top edge to the center of the third row of holes is 32.0. The distance from the top edge to the center of the fourth row of holes is 45.5. The holes are arranged in a 4x4 grid. The top row of holes is labeled '2' and the bottom row of holes is labeled '2'.



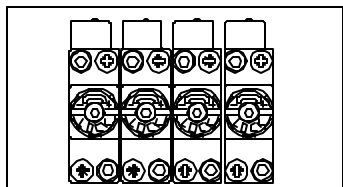
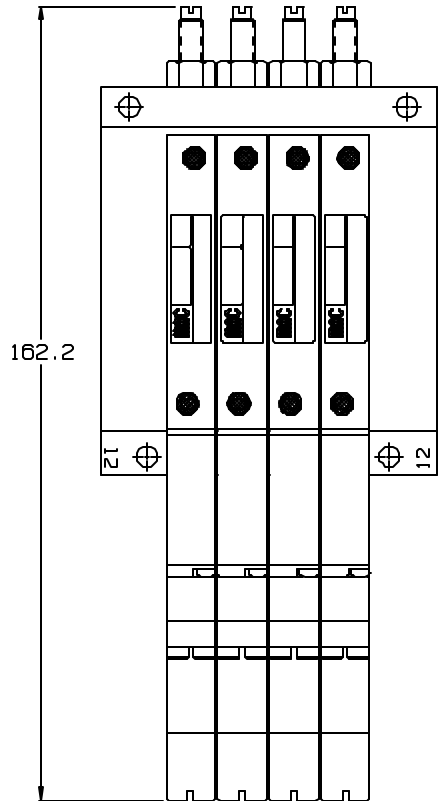
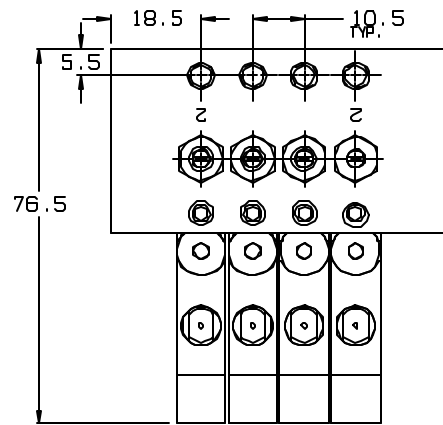


32 SERIES NON PLUG-IN BAR WITH FLOW CONTROL

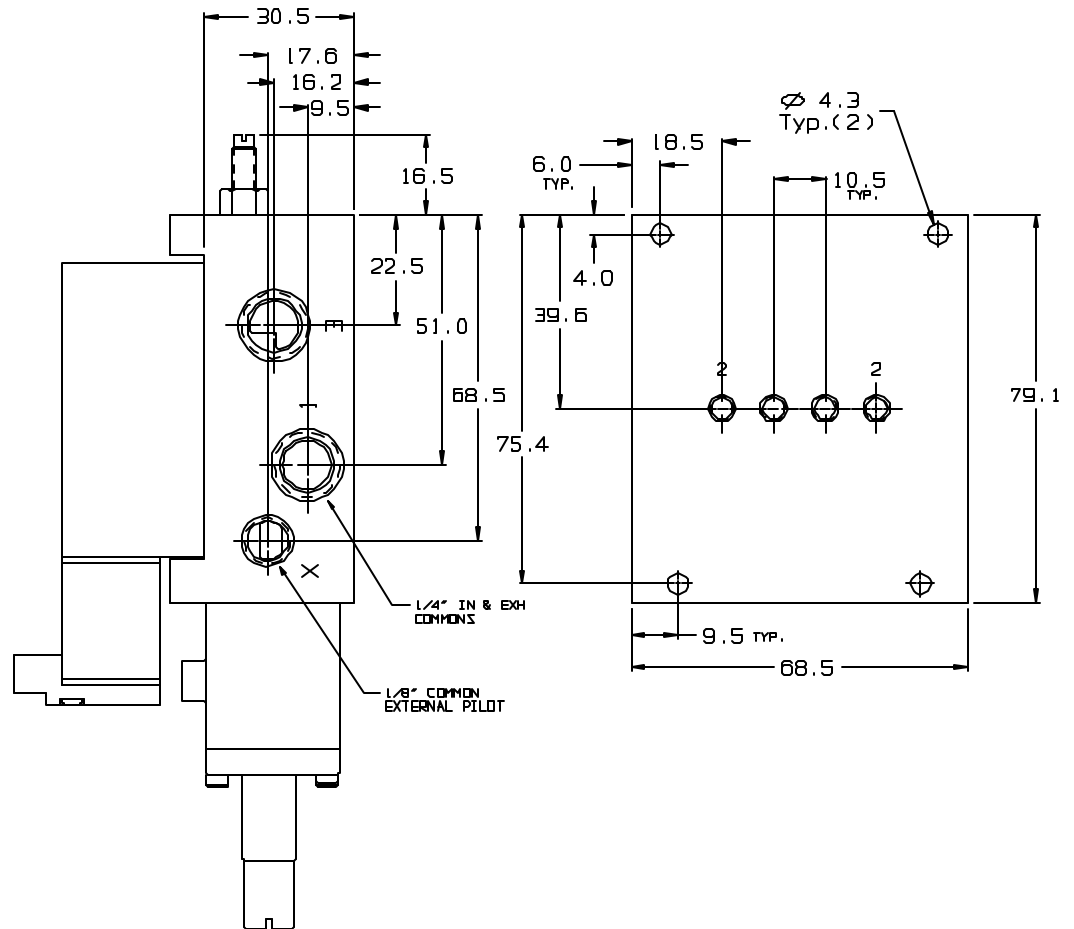
NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2
-SIDE OR BOTTOM PORTS AVAILABLE



32 SERIES NON PLUG-IN BAR WITH REGULATOR AND FLOW CONTROL



NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2
-SIDE OR BOTTOM PORTS AVAILABLE



How to Order 32 Series (MAConnect™)

32A - X X X - X X X - LXXX - X XX (Latching)
GXXX - X XX (Standard)

Solenoid Assembly

Body Valve Function		Body Pilot Exhaust		Int. or Ext. Pilot		Port Size & Thread Type		Manifold Configuration		MAConnect™ Plug-In Manifold	
0	Base Only	0	Base Only	0	Base Only	0	Valve Only	0	Valve Only	0	Valve Only
A	3 Way Normally Closed	M	Pilot Exh. Muffled	A	Int. Pilot	A	#10-32	J	Manifold Base Side Port	1	Internal Pilot Plug-In to Left
B	3 Way Normally Open	P	Pilot Exh. Piped #10-32	B**	Ext. Pilot from Base	B	M5 (NPTF Thru Ports)	K	Manifold Base Bottom Port	3	Internal Pilot Plug-In to Right
		R	Pilot Exh. Piped M5			D	6mm O.D. Tube Recptacle (NPTF Thru Ports)	L	Left End Manifold Base Side Port	5	External Pilot Plug-In to Left
		U*	Pilot Exh. Out Main Exh.			E	1/4" O.D. Tube Receptacle (NPTF Thru Ports)	M	Left End Manifold Base Bottom Port	7	External Pilot Plug-In to Right
						F	M7 (NPTF Thru Ports)	N	Right End Manifold Base Side Port		
						G	M5 (BSPPL Thru Ports)	P	Right End Manifold Base Bottom Port		
						J	6mm O.D. Tube Recptacle (BSPPL Thru Ports)				
						K	1/4" O.D. Tube Receptacle (BSPPL Thru Ports)				
						L	M7 (BSPPL Thru Ports)				
						M	M5 (BSPTR Thru Ports)				
						P	6mm O.D. Tube Recptacle (BSPTR Thru Ports)				
						R	1/4" O.D. Tube Receptacle (BSPTR Thru Ports)				
						S	M7 (BSPTR Thru Ports)				

**Cannot be used w/ "U" body configuration.

* Not available w/ Flow Controls

Note: For "G" solenoid use "D" type electrical connector. for "L" solenoid use the "EA" electrical connector.

Parts

S32001	Normally Closed Spool Assembly
S32002	Normally Open Spool Assembly

Modifications

MOD 1727	Nickel Plated Body and/or Base
MOD 1705	Negative Commons

Note:•Thru ports are 1/4"

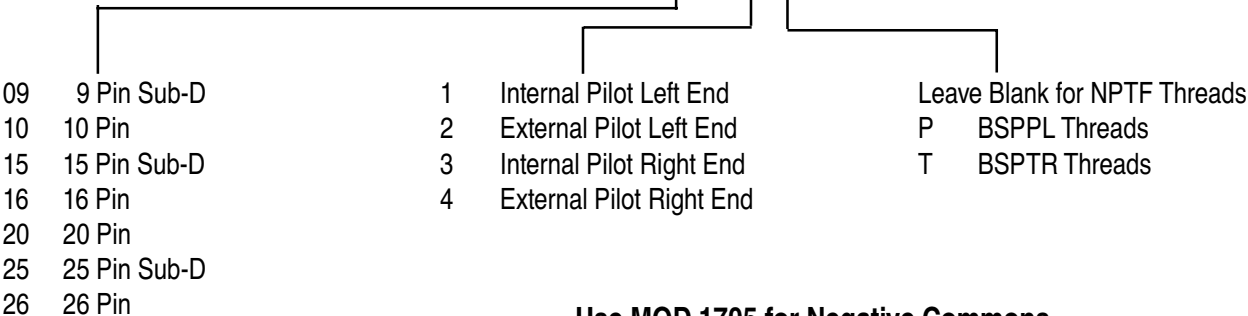
How to Order

Adapter Kits

MAConnect™ Adapter Assembly

(Positive Commons)

M-32001 - XX - X X

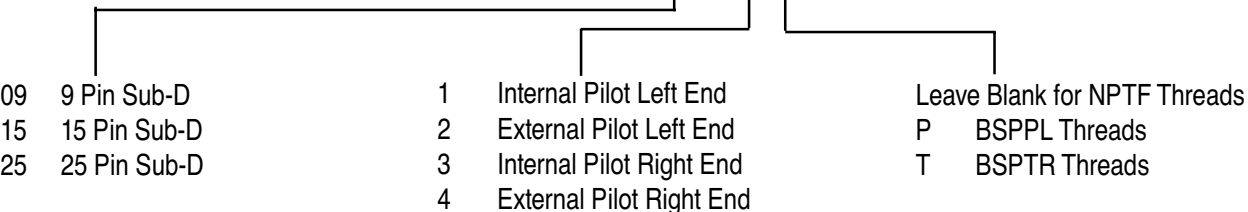


Use MOD 1705 for Negative Commons

MAConnect™ Adapter Assembly

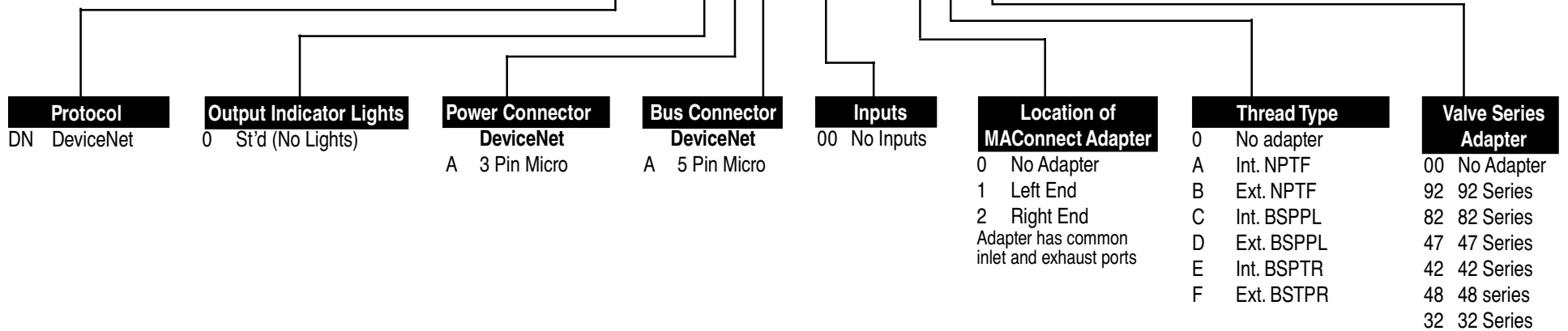
(Required For Connecting To A Remote Stack)

M-32002 - XX - X X



How to Order SM16 for MACConnect™ Serial Manifold

SM16 - XX A - X X X - XX M - X X XX



How to Order SM32 for MACConnect™ Serial Manifold

MACConnect™
SM32 - XX A - X X X - X X M - X X XX -9

Protocol		Output Indicator Lights		Power Connector		Bus Connector		Inputs		Input Types		Location of MACConnect Adapter		Pilot and Thread Type		Valve Series Adapter							
DN	DeviceNet	Monitoring Valve Signal		DeviceNet		DeviceNet		A	No Inputs	A	No Inputs	0	No Adapter	A	Int. NPTF	00	No Adapter						
PB	Profibus			A	3 Pin Mini	A	5 Pin Mini	B	1 Input	B	NPN	1	Left End	B	Ext. NPTF	42	42 Series						
IB	Interbus-S			B	4 Pin Mini	B	5 Pin Micro	C	2 Inputs	C	PNP	2	Right End	C	Int. BSPPL	47	47 Series						
AB	Allen Bradley Remote IO	Monitoring Bus Logic Signal		C	3 Pin Micro	C	5 Pin Mini	D	3 Inputs					D	Ext. BSPPL	48	48 Series						
AS	AS-I			D	4 Pin Micro	End Mount 2 Conn.		E	4 Inputs					E	Int. BSPTR	82	82 Series						
				E	4 Pin Mini Side Mount			F	Tethered 16 Inputs 8 on AS-I					F	Ext. BSTPR	92	92 Series						
				Profibus & Interbus-S		Profibus								** N	No Pilot Port	32	32 Series						
						D	9 Pin Sub-D																
				F	5 Pin Mini	Interbus-S																	
				H	5 Pin Micro	E		9 Pin Sub-D Male & Female															
				AB Remote IO																			
				G	5 Pole Term.	AB Remote IO																	
				B	4 Pin Mini			F	3 Pole Term.														
				AS-I				G	4 Pin Micro (2 4-Pin Connectors)														
				D	4 Pin Micro			AS-I															
								G	4 Pin Micro 2 Conn.														
								H	4 Pin Micro 2 Conn. w/ 2 Prog. Ports														

ASI Available Only w/
(B) Monitoring Signal

** 82 Series Only

1" - 1 1/2" CONDUIT

1/8" EXTERNAL PILOT

94.0

68.4

56.7

23.2

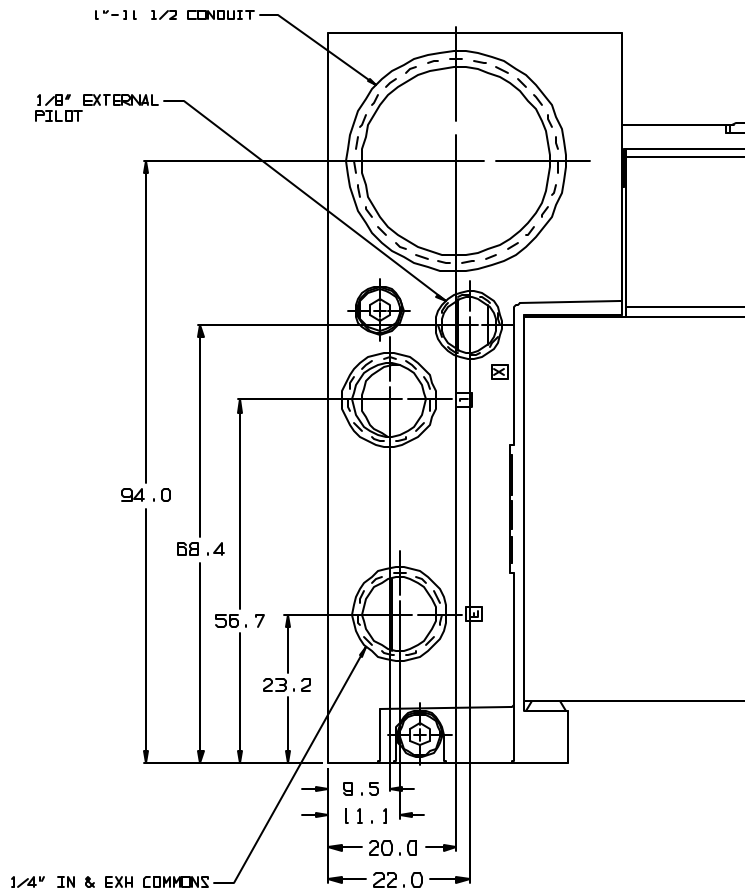
9.5

11.1

20.0

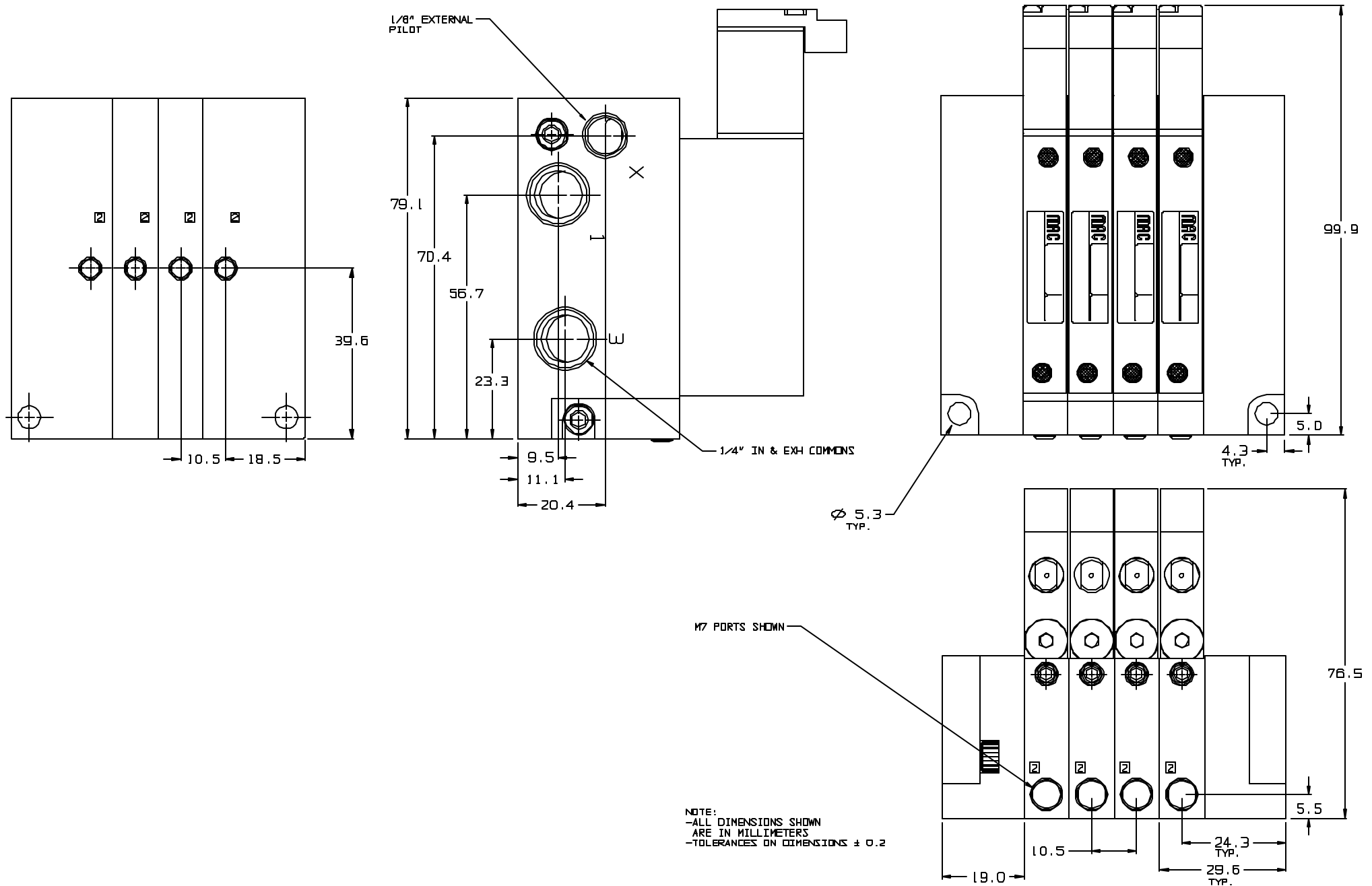
22.0

1/4" IN & EXH COMMONS

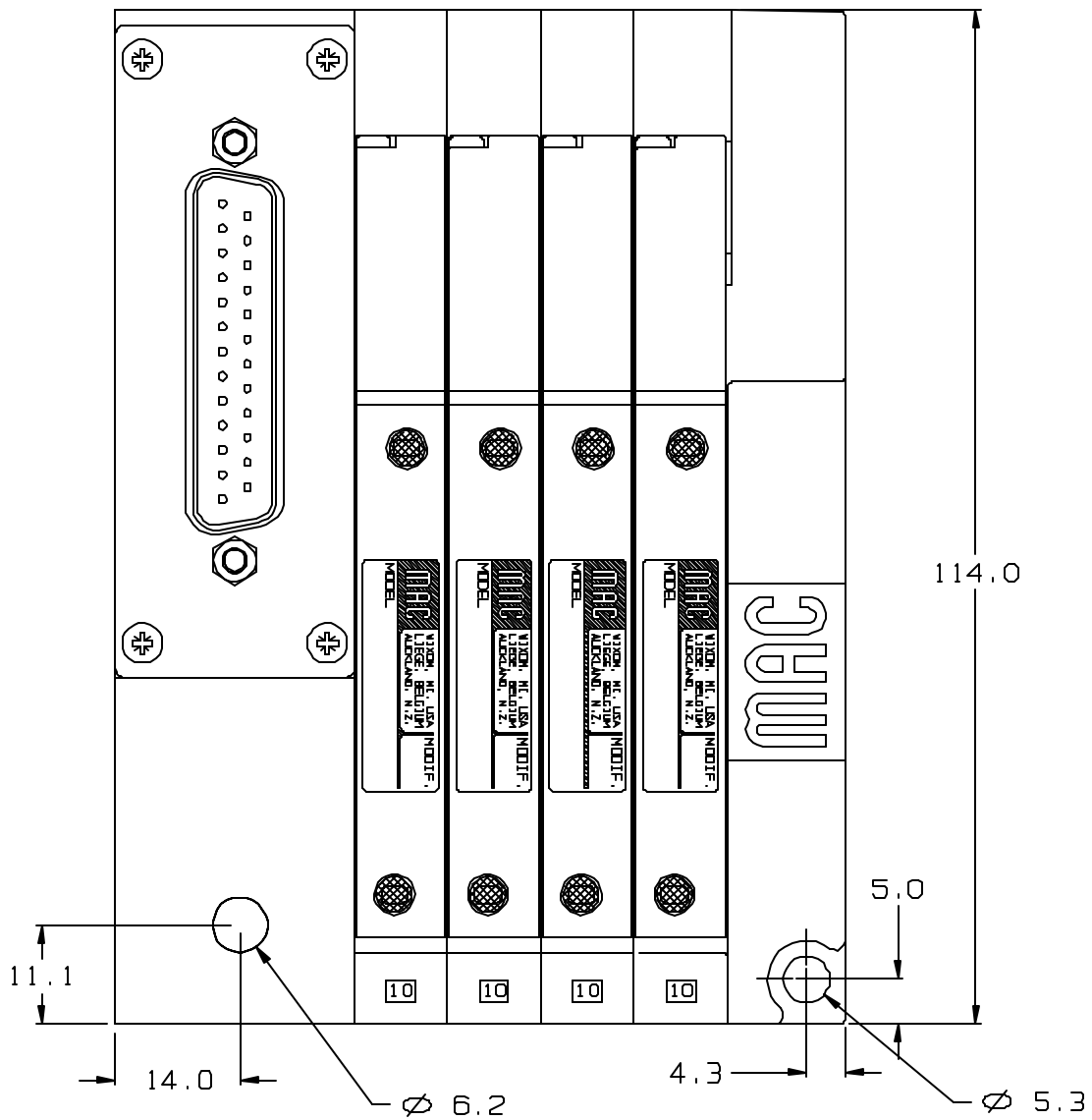


NOTE:
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ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2

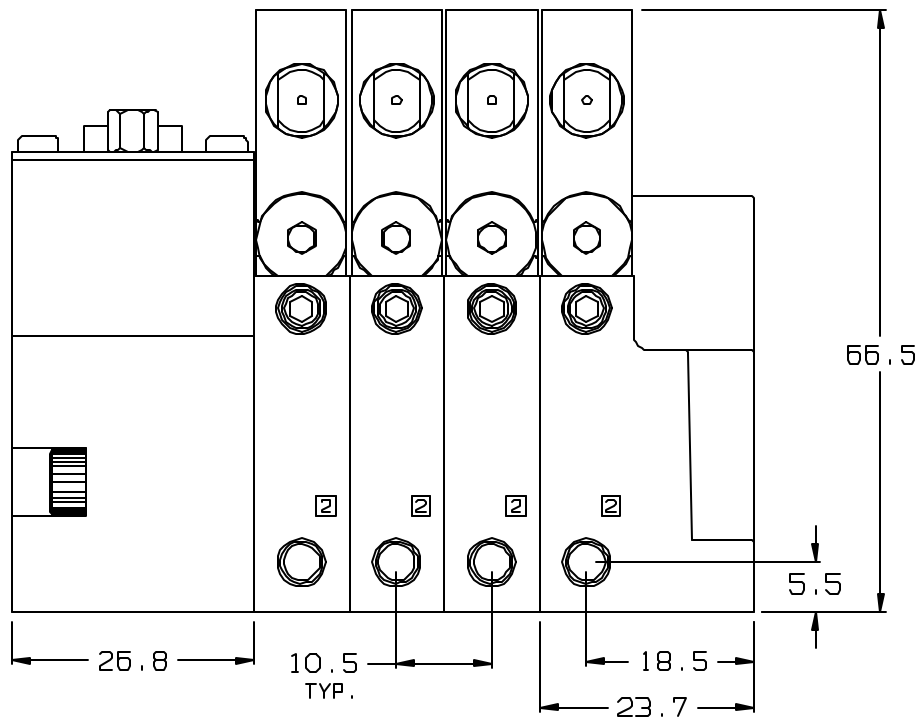
32 SERIES NON PLUG-IN MANIFOLD



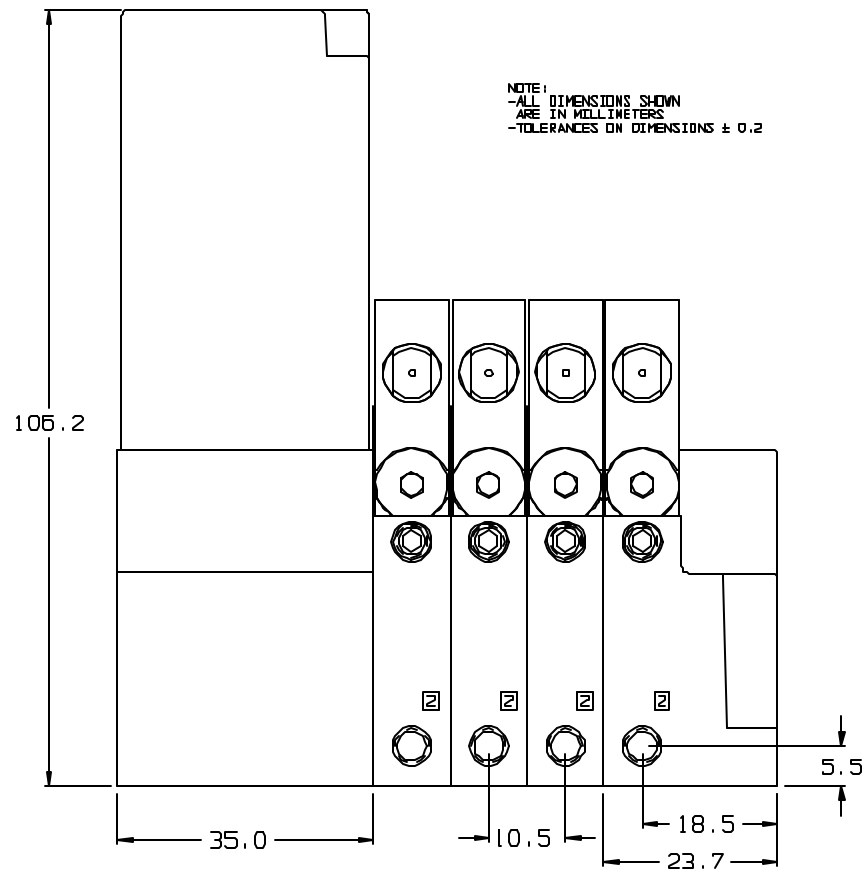
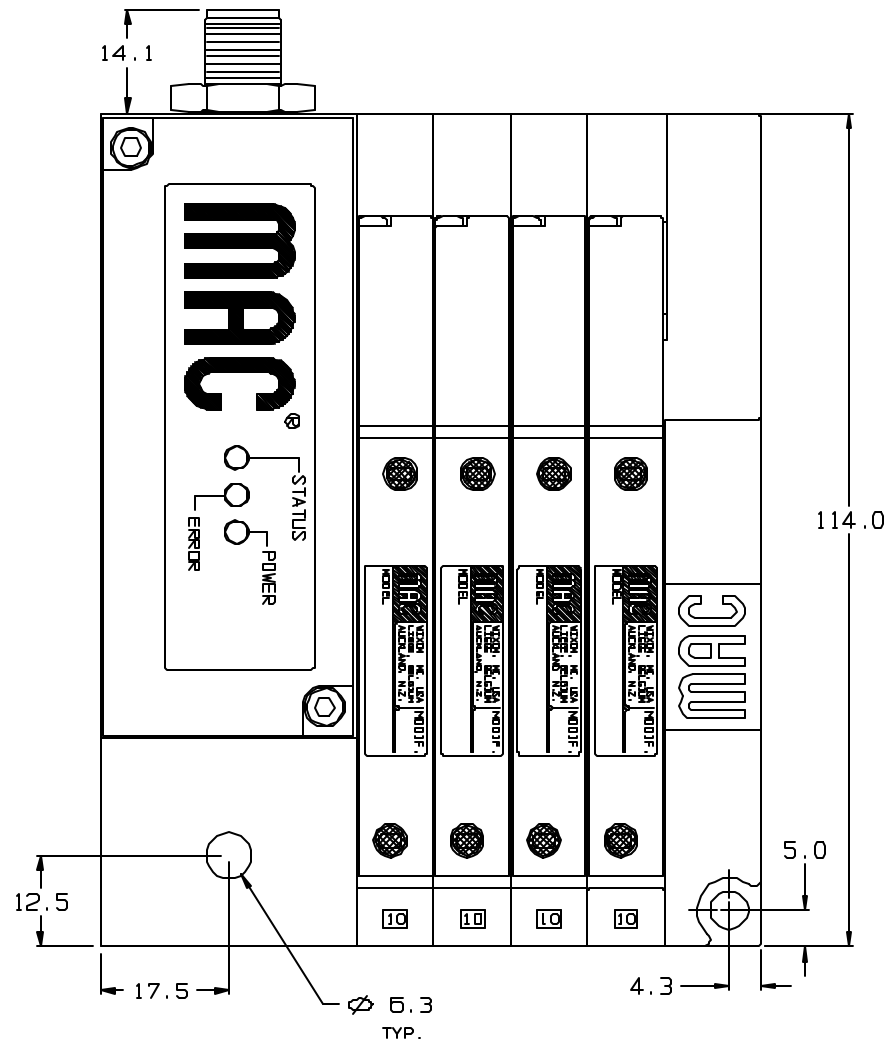
32 SERIES MULTI PIN



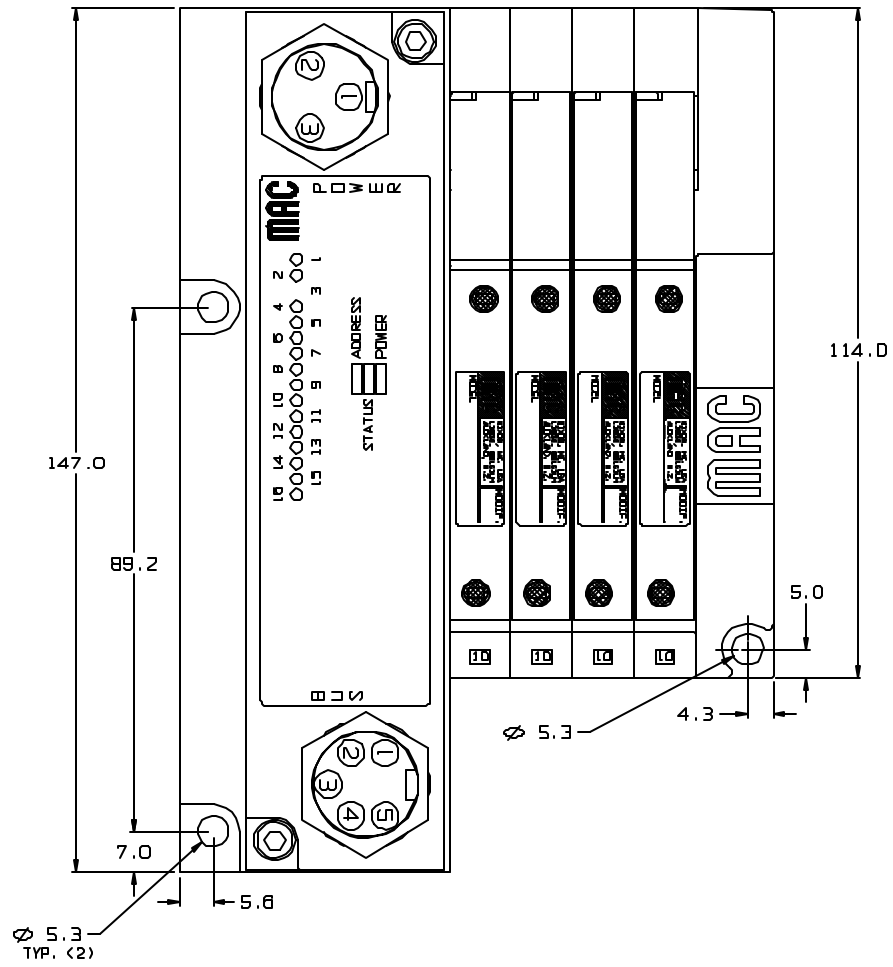
NOTE:
-ALL DIMENSIONS SHOWN
-ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2



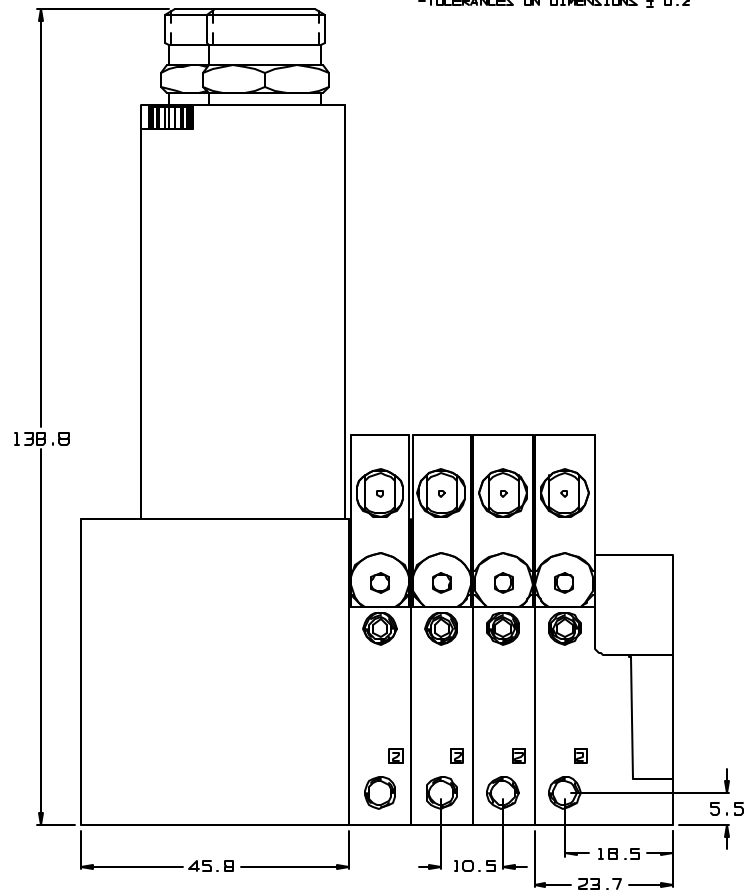
32 SERIES SM16



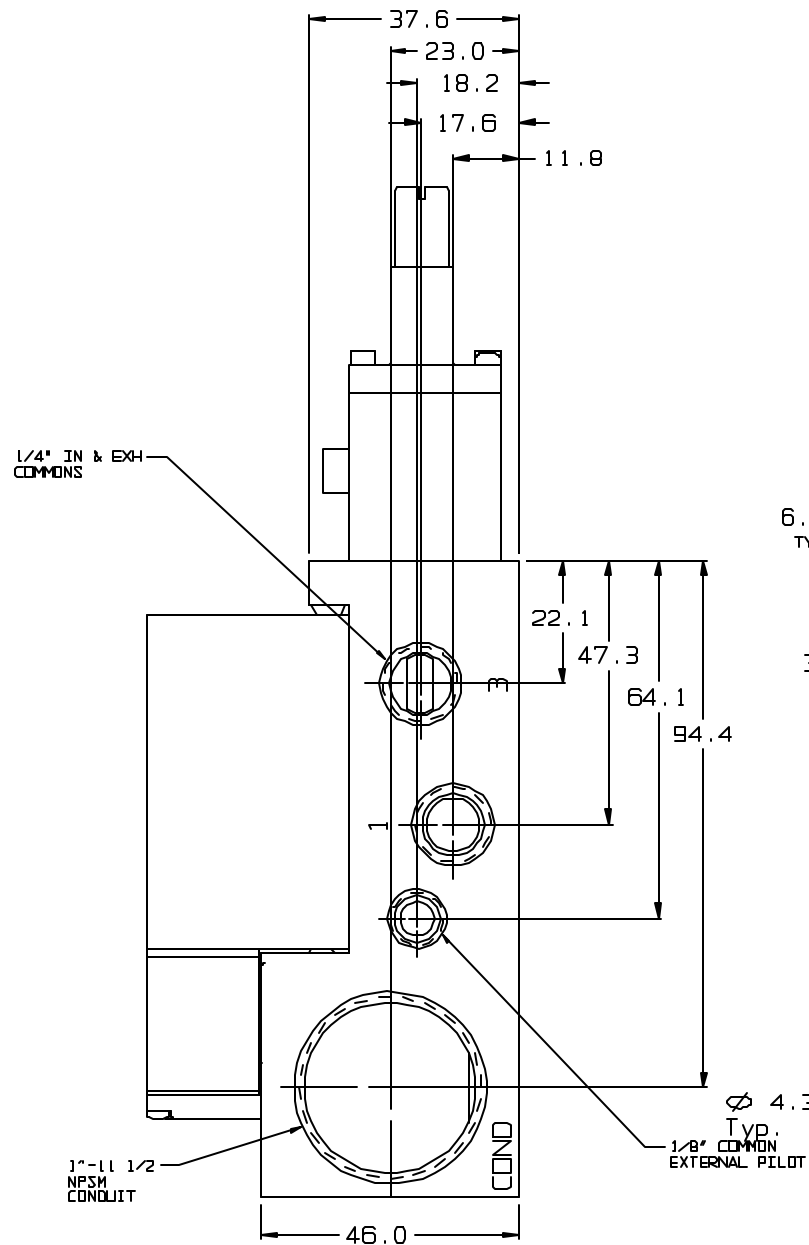
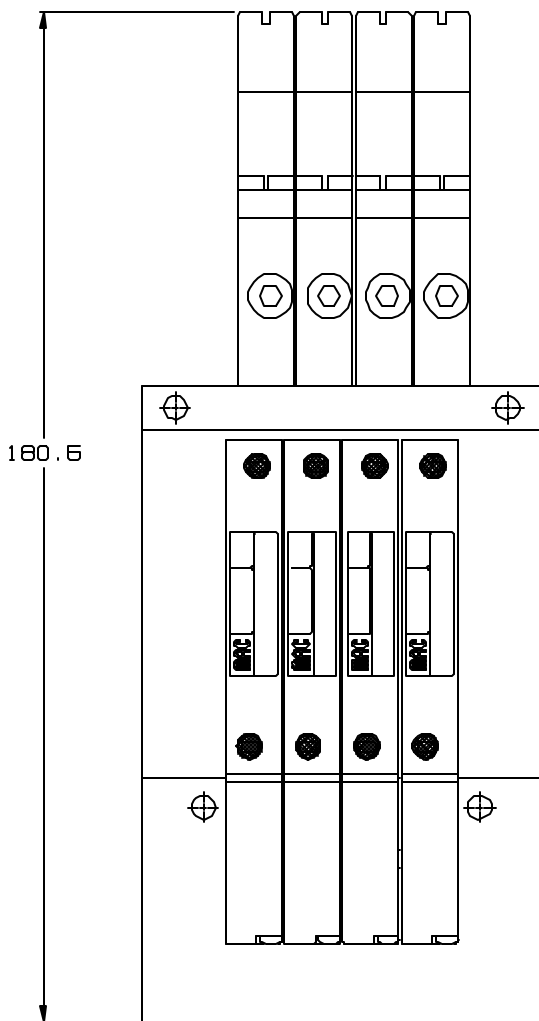
32 SERIES SM32



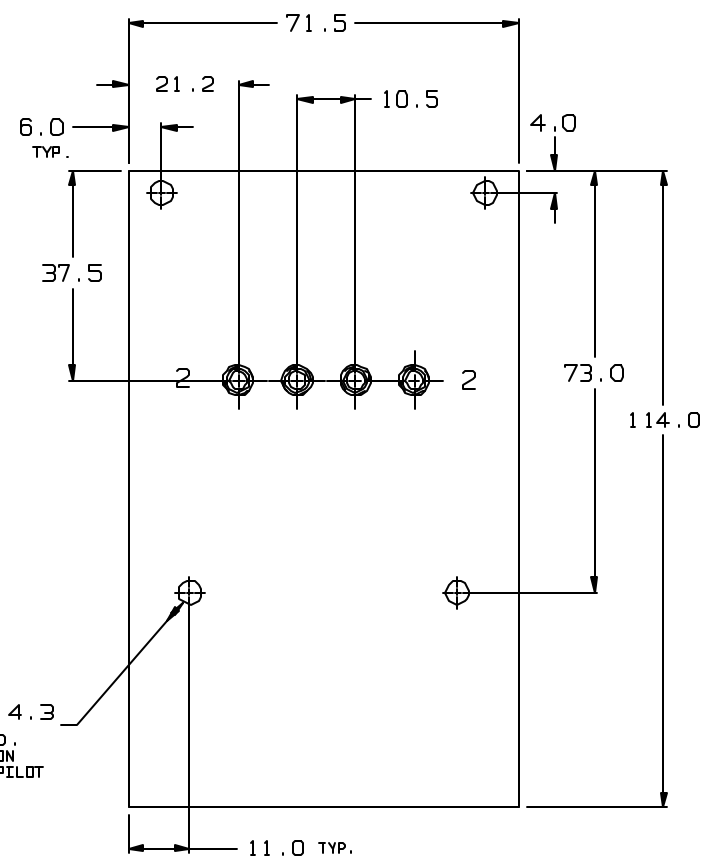
NOTE:
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 -TOLERANCES ON DIMENSIONS ± 0.2

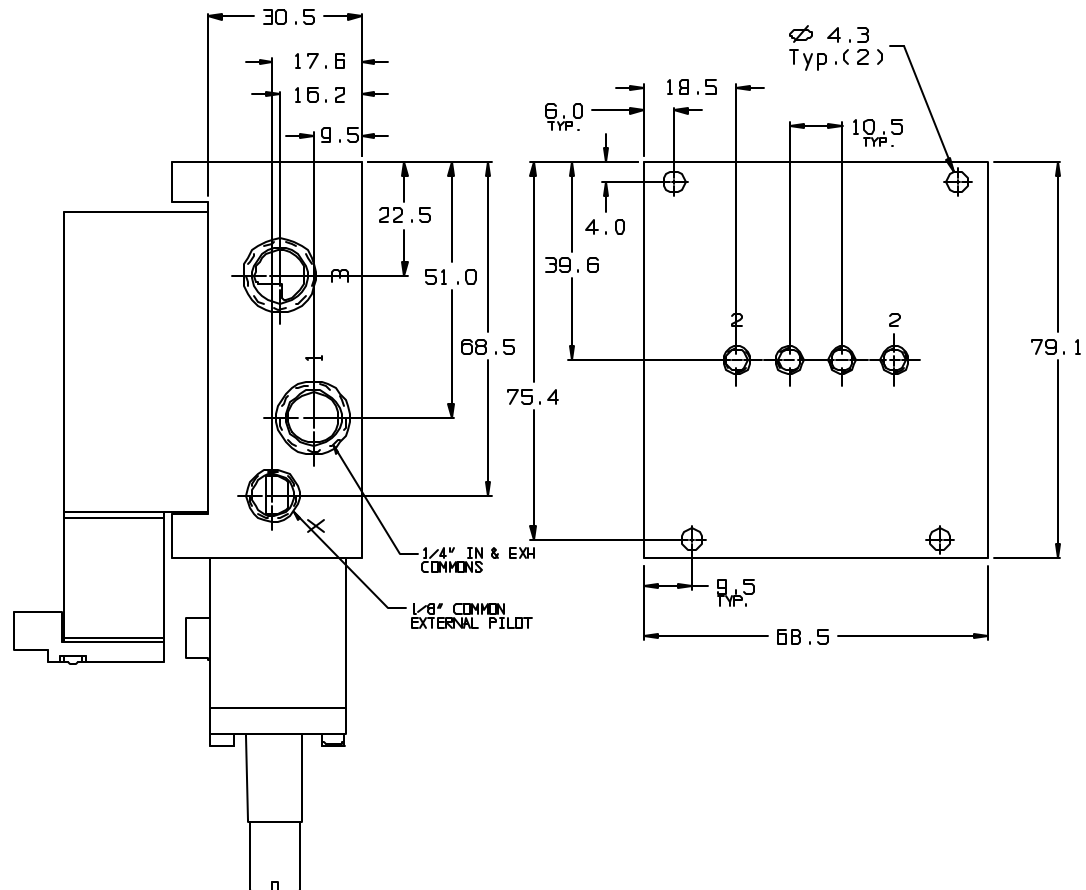
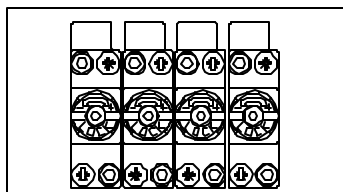


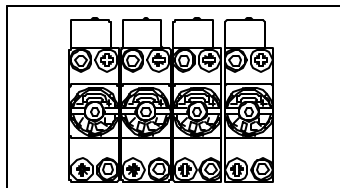
Technical drawing showing a 4x4 grid of circular features. A vertical dimension line on the left indicates a height of 66.5. The grid consists of 16 circular elements arranged in 4 rows and 4 columns. The top three rows contain complex circular patterns, while the bottom row contains simpler circular patterns. The drawing is a black and white line drawing.



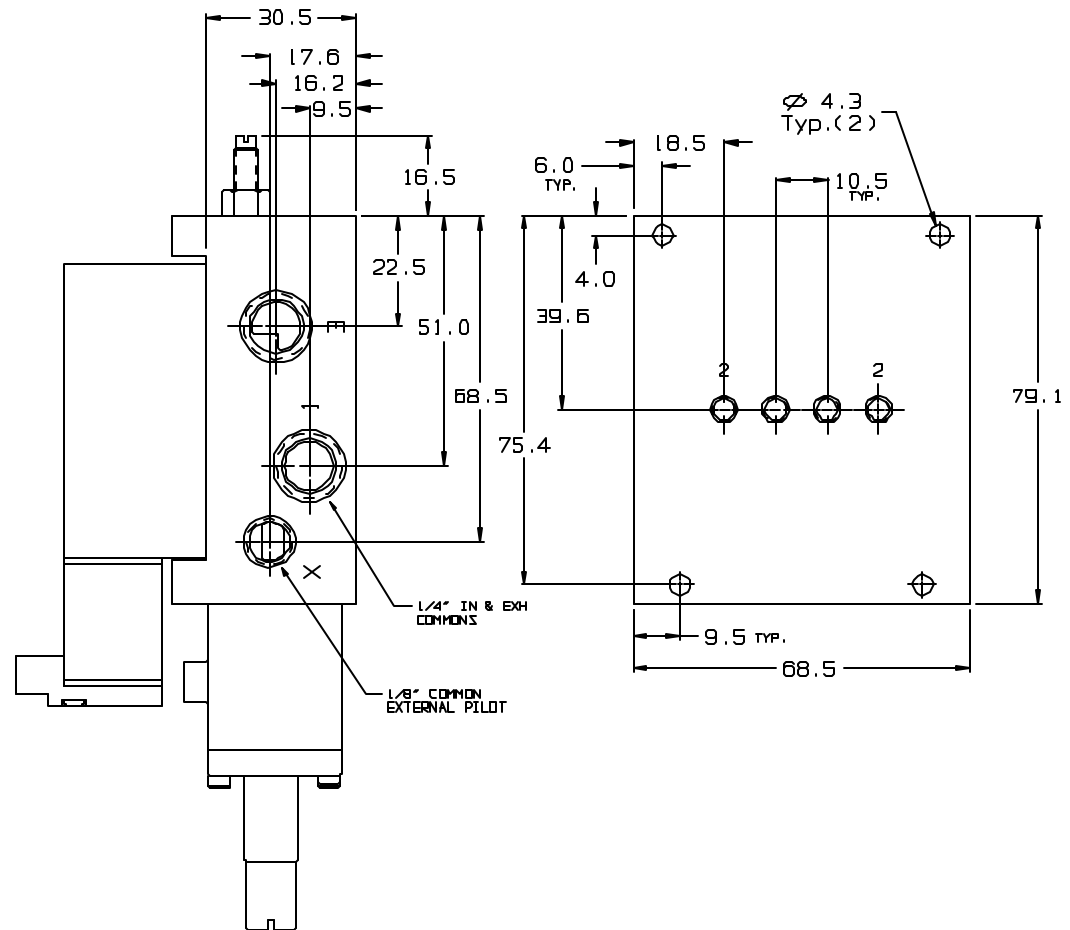
NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2







NOTE:
-ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
-TOLERANCES ON DIMENSIONS ± 0.2
-SIDE OR BOTTOM PORTS AVAILABLE



Notizen

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