

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

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Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
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Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Киргизия +996(312)96-26-47

https://mac.nt-rt.ru || mcp@nt-rt.ru

Specifications
46 Series Valve (Lifting Solenoid)

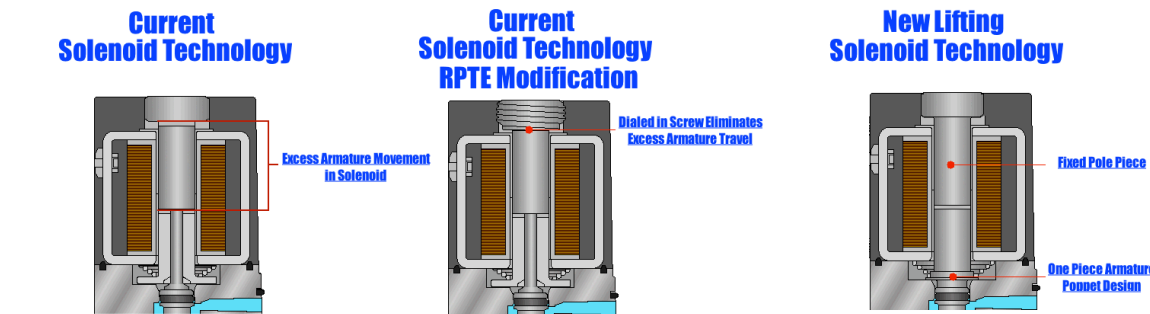
Operating Data	
Fluids:	Air or Inert Gas
Lubrication:	Not Required. But if used, select a medium aniline point oil (between 180°F to 210°F).
Safe Operating	
Temperature Range:	0° to 120°F (-18° to 50°C)
Pressure Range:	Vacuum to 120 PSI
Coils:	General Purpose Class A, Continuous duty.
Coil Leads:	#22 AWG x 18”, Other lengths available
Solenoid:	Single Operator Only (Double Solenoid is not available)

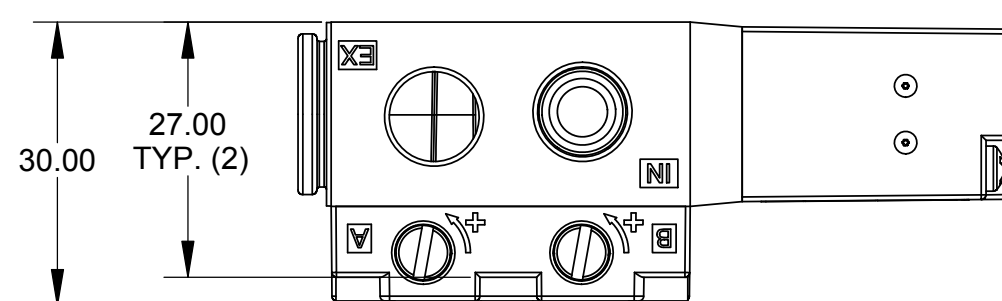
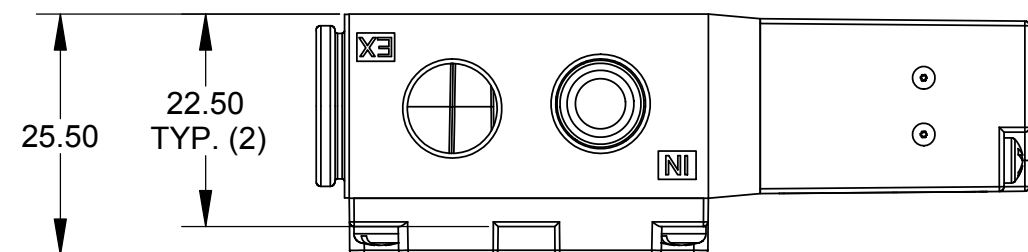
Flows (Cv - Up to)
Average of All Ports

Wattage			
Inline (Cv)	1.8w	2.4w	5.4w
	0.20	0.20	0.30

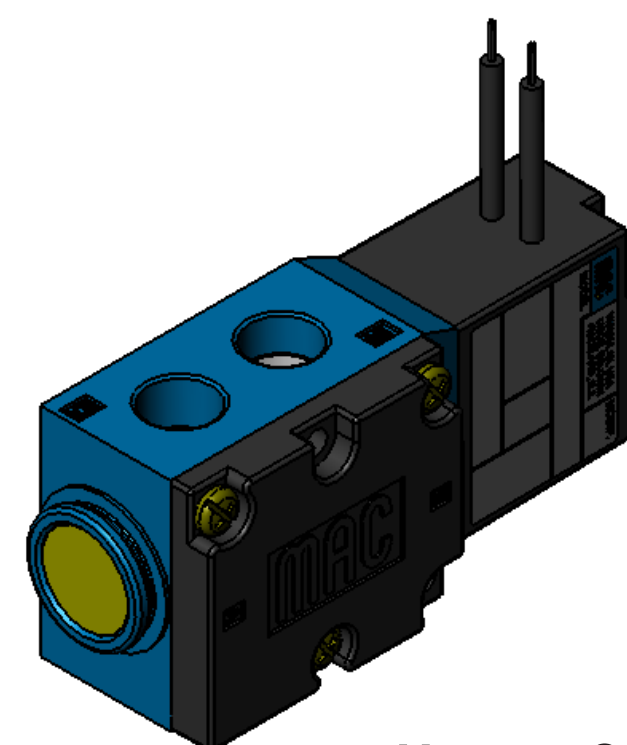
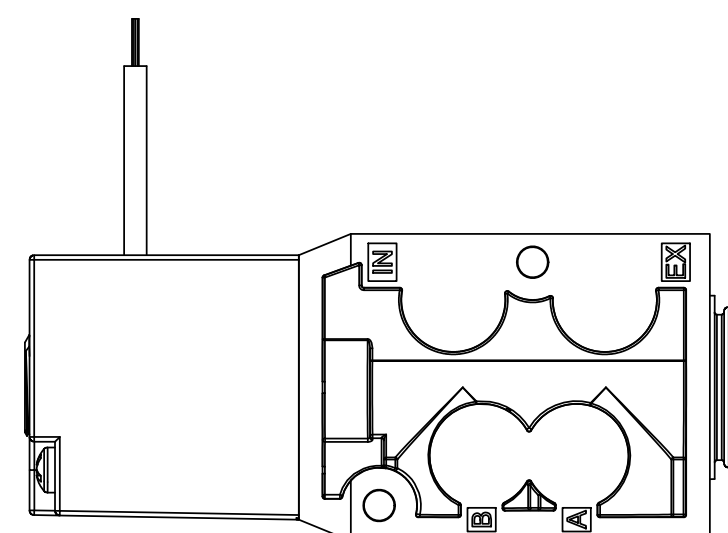
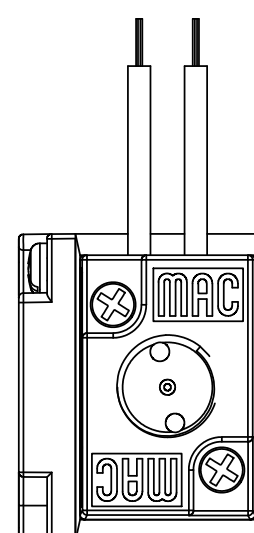
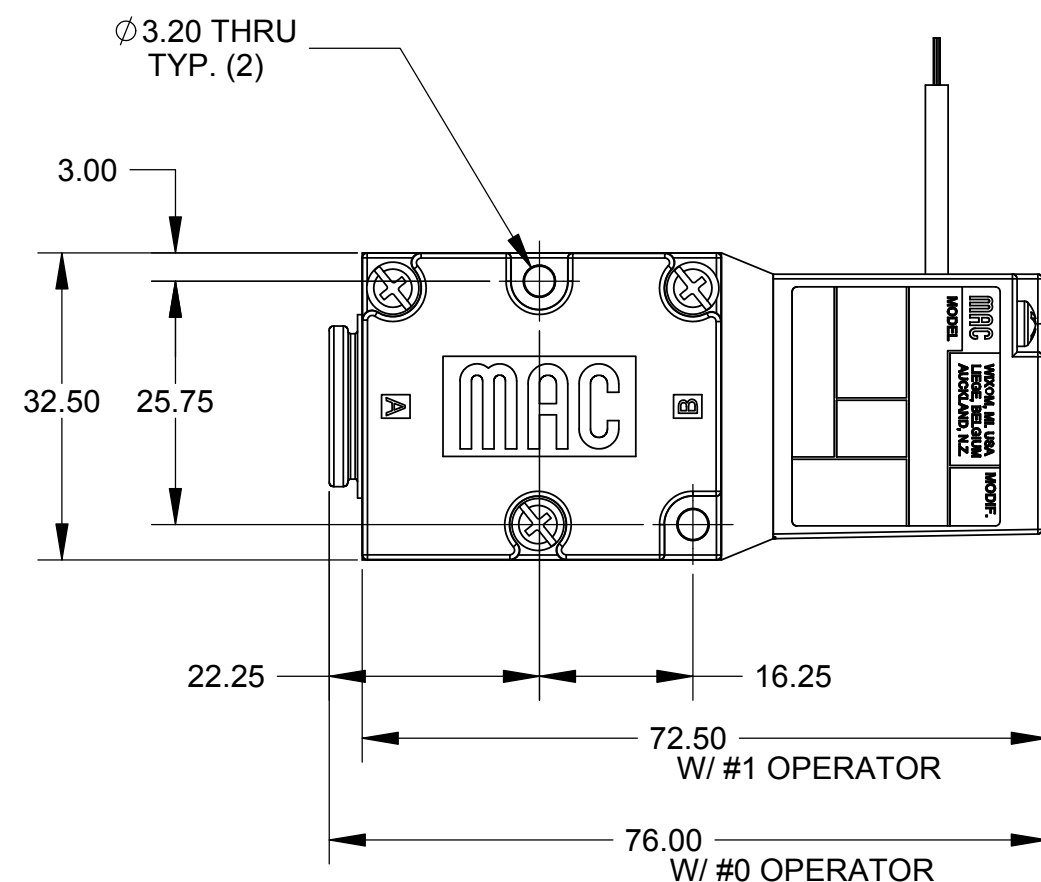
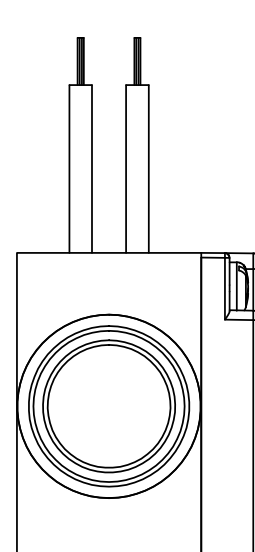
Higher flow rates available - Consult Factory

Special Applications
The balanced poppet design facilitates using the same valve for many functions. A valve may be used for pressure and/or vacuum or plugged for 3 Way operation.





SHOWN WITH FLOW CONTROLS



46L INLINE VALVE

How to Order 46L Series ECD Circuit Bar (Plug-In)

How to Order 46 Series Regulator

PR46A - X X X X - X

Style	Type Adjustment	Gages	Pressure Range	Assembled
0 Regulator Only	A Slotted Stem B Adjusting Knob C Slotted Stem w/ Locknut	A Gage Port Plugged	A 0 to 120 PSI B 0 to 80 PSI C 0 to 30 PSI	9 Regulator assembled to bar

ECD46LA - XX X X X - XX XX - 9

Spacing	Configuration	Style	Port Size	Base Electrical
00 20.0mm Spacing	A Side Cylinder Ports (40mm) B Bottom Cylinder Ports(40mm) C Bottom Cylinder Ports with Regulator (40mm) D Side Cylinder Ports with Flow Controls (45mm) E Bottom Cylinder Ports with Flow Controls (45mm) F Bottom Cylinder Ports with Flow Controls and Regulator (56mm)	A Standard Bar	A 1/8" NPTF B 1/8" BSPPL C 1/8" BSPTR D 5/32 Pressed-In Tube Receptacles with NPTF Through Ports E 5/32 Pressed-In Tube Receptacles with BSPPL Through Ports F 5/32 Pressed-In Tube Receptacles with BSPTR Through Ports	A0 Standard (No Light) C0 Terminal Strip (No Light)
Note: Regulator must be ordered separately				
Dimensions (XXmm) indicate Bar Profile				

Replacement Parts and Accessories

63299 Wire Connector Protector
M-46015 Valve Blanking Plate

How to Order 46L Series
Lifting Solenoid Assembly

D XX X - X XX

Voltage		Lead Wire Length	Manual Operator	Electrical Connectors	
DA 24 VDC (5.4W)	DB 12 VDC (5.4W)	0 No Lead Wire	0 No Operator	BA	Grommet (Flying Leads)
DC 12 VDC (7.5W)	DD 24 VDC (7.3W)	A 18"	1 Non-Locking	BK	Grommet with diode (Flying Leads)
DE* 12 VDC (12.7W)	DF* 24 VDC (12.7W)	B 24"	Manual Operator	BM	Plug-in (with leads)
DJ 28 VDC (5.2W)	DK 110 VDC (5.8W)	C 36"		BN	Plug-in with diode (with leads)
DL 64 VDC (6W)	DM 36 VDC (5.3W)	D 48"		CA	Conduit 1/2"
DN 6 VDC (6W)	DP 48 VDC (5.8W)	E 72"		CM	Metal conduit 1/2"
DR 90 VDC (6.6W)	DS 110 VDC (7.3W)	F 96"		CN	Metal conduit with ground 1/2"
DT 75 VDC (5.6W)	EA 12 VDC (6.0W)	J External Plug-In		FM	Plug-in (For ECD Bar)
EB 220 VDC (4.2W)	ED 24 VDC (4.2W)	P Plug-In		FN	Plug-in with diode (for ECD Bar)
EE 12 VDC (4.2W)	EJ 24 VDC (9.3W)	Notes : Use "J" with J, K, T, & P Connectors Use "P" with FM & FN Connectors		JB	Rectangular plug-in
EM 120 VDC (6.2W)	ES* 12 VDC (9.5W)			JD	Rectangular plug-on with light
ET 24 VDC (3.0W)	EW 24 VDC (8.0W)			JM	Rectangular male only
FA 12 VDC (1.8W)	FB 24 VDC (1.8W)			KA	Mini plug-in
FC 10 VDC (2.2W)	FE 12 VDC (2.4W)			KB	Mini plug-in with diode
FF 24 VDC (2.4W)	FK 48 VDC (1.9W)			KD	Mini plug-in with light
FL 18 VDC (2.4W)	GD 220 VDC (7.3W)			KE	Mini plug-in with light & diode
GE 6 VDC (9.0W)	GF 15 VDC (5.0W)			KG	Mini plug-in with LED light & diode
GG 9 VDC (9.0W)				KJ	Mini plug-in male only
				KK	Mini plug-in male only with diode
				TA	Dual tabs (.110) with receptacles
				TB	Dual tabs with diode & receptacles
				TD	Dual tabs with light & receptacles
				TE	Dual tabs with light, diode & receptacles
				TJ	Dual tabs (.110) plain
				TK	Dual tabs with diode (no receptacles)
				TM	Dual tabs with light (no receptacles)
				TN	Dual tabs with light & diode (no receptacles)
				PA	Pico

* MOD CLS

MAC 46 Series with Lifting Solenoid

Specifications
46 Series Valve (Lifting Solenoid)

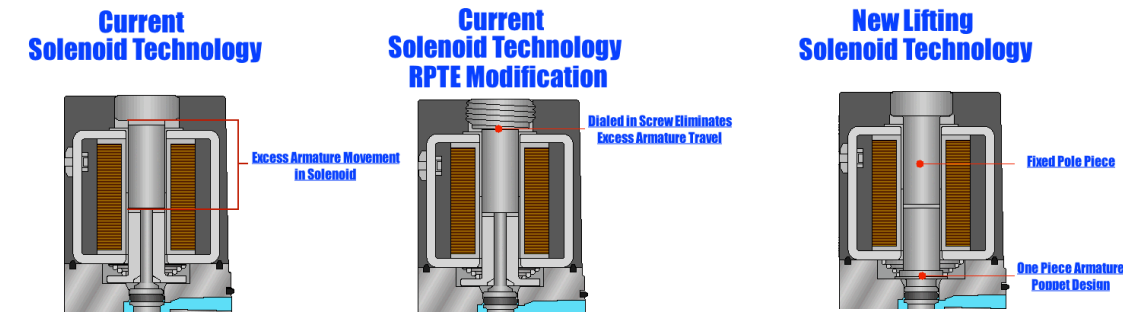
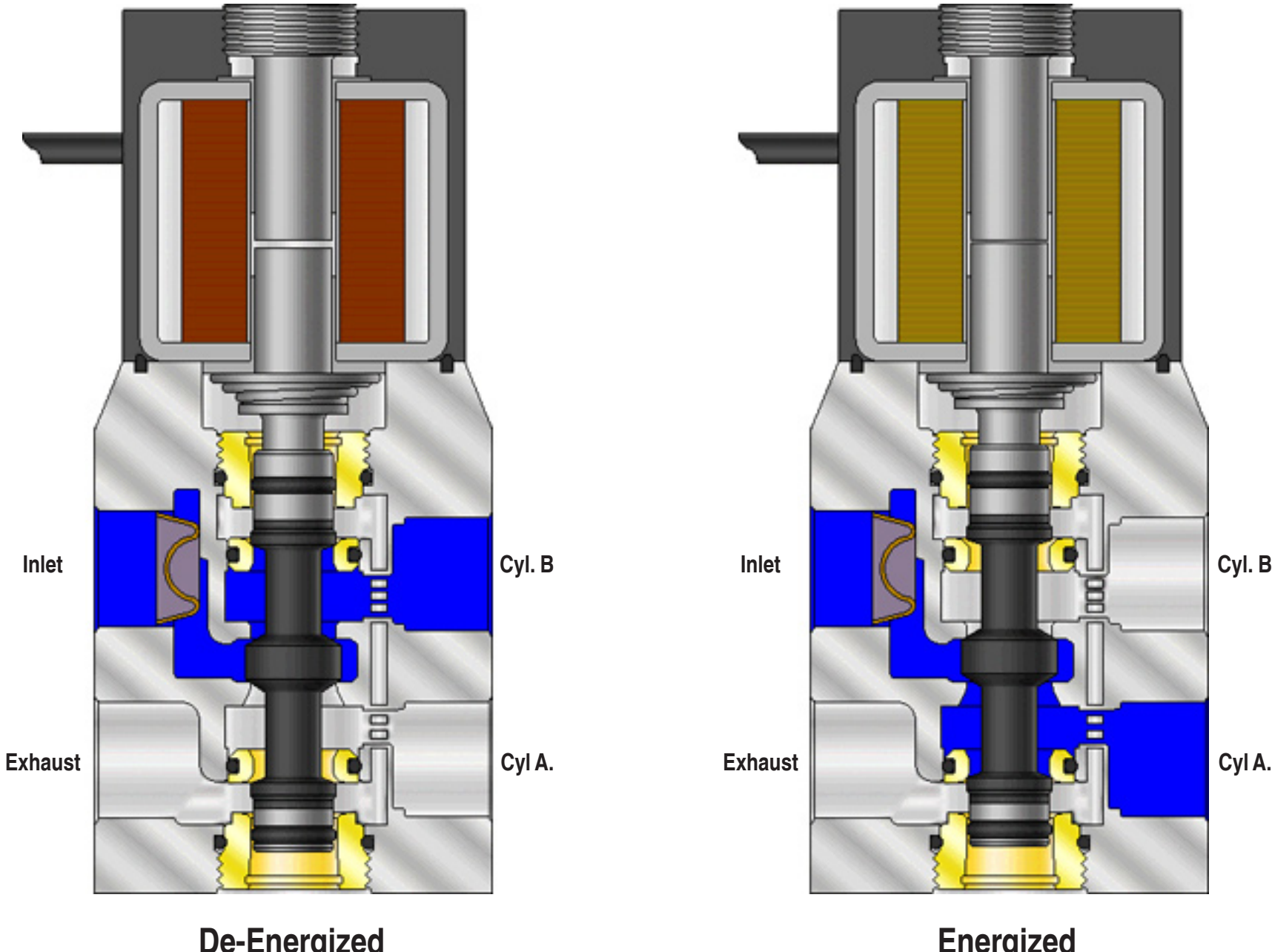
Operating Data	
Fluids:	Air or Inert Gas
Lubrication:	Not Required. But if used, select a medium aniline point oil (between 180°F to 210°F).
Safe Operating	
Temperature Range:	0° to 120°F (-18° to 50°C)
Pressure Range:	Vacuum to 120 PSI
Coils:	General Purpose Class A, Continuous duty.
Coil Leads:	#22 AWG x 18", Other lengths available
Solenoid:	Single Operator Only (Double Solenoid is not available)

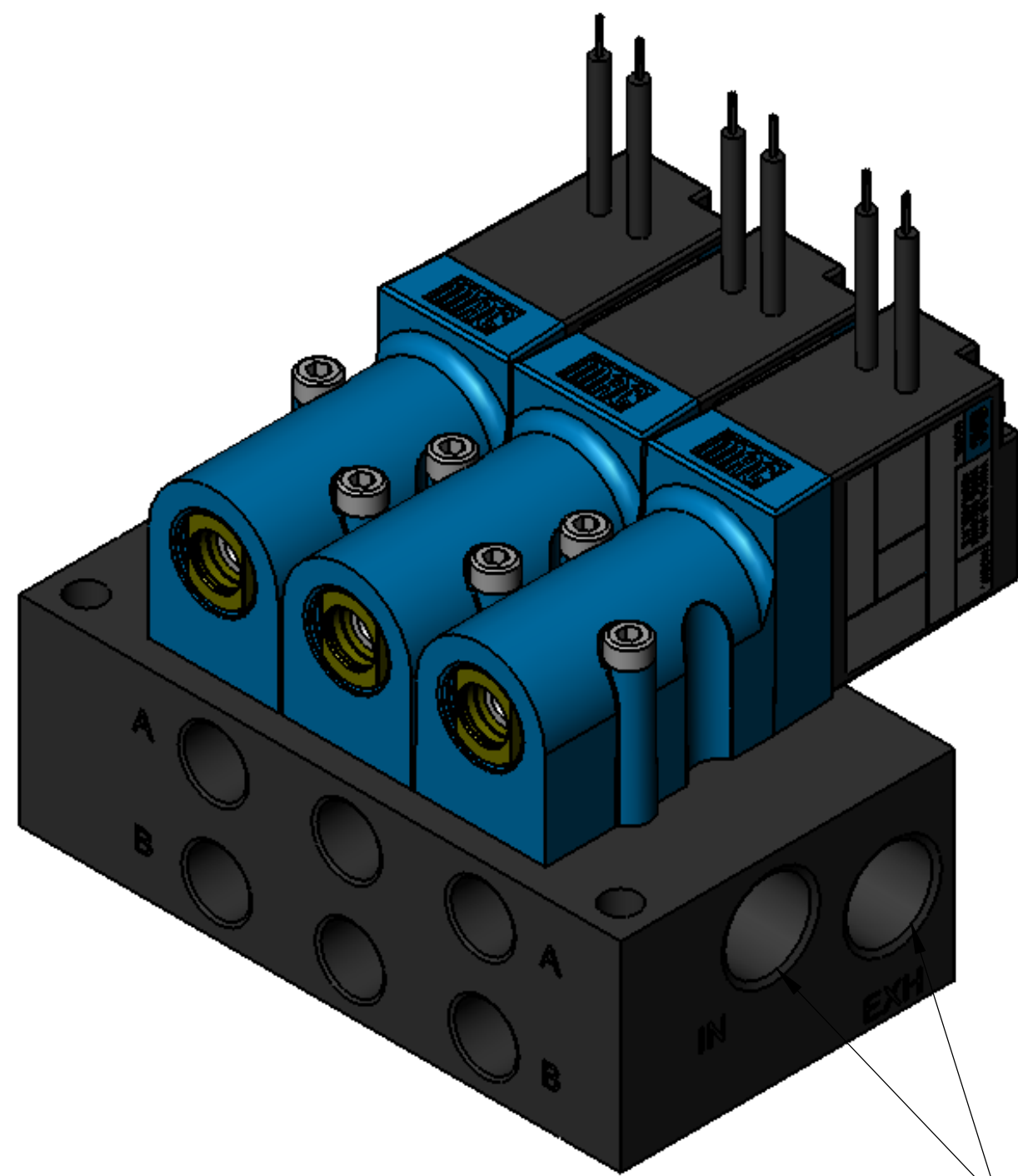
Flows (Cv - Up to)
Average of All Ports

Inline (Cv)	Wattage		
	1.8w	2.4w	5.4w
	0.20	0.20	0.30

Higher flow rates available - Consult Factory

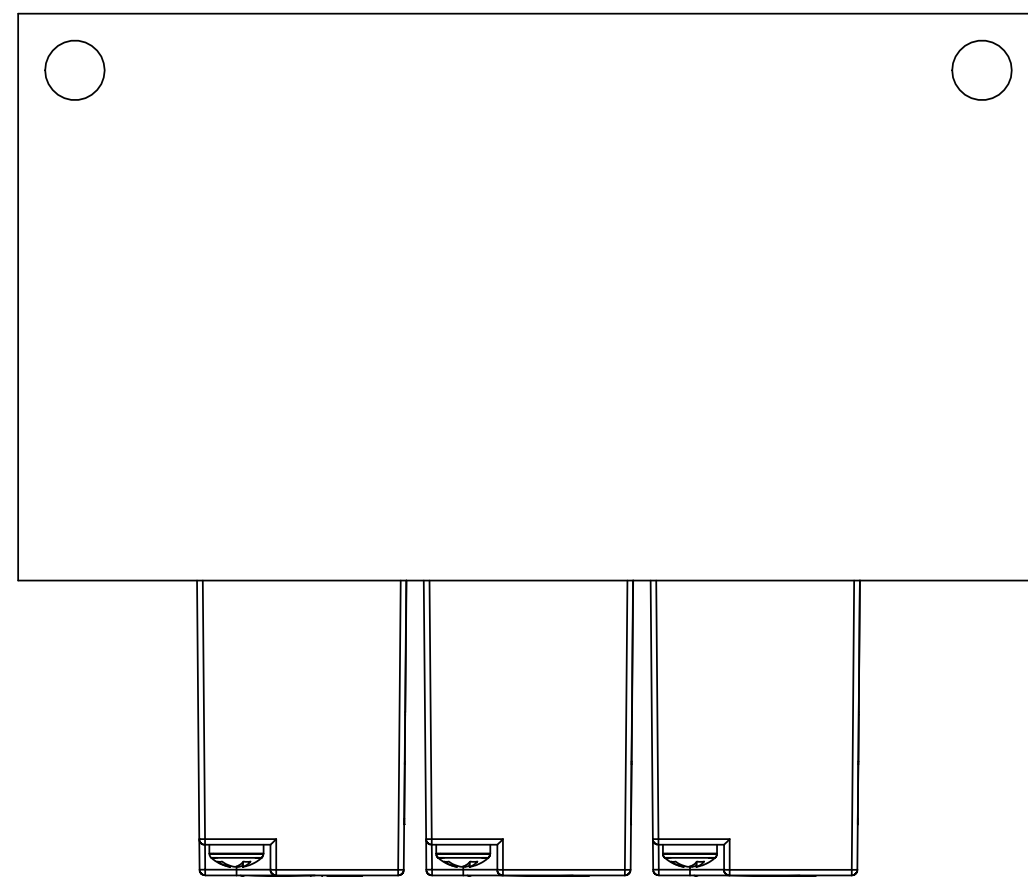
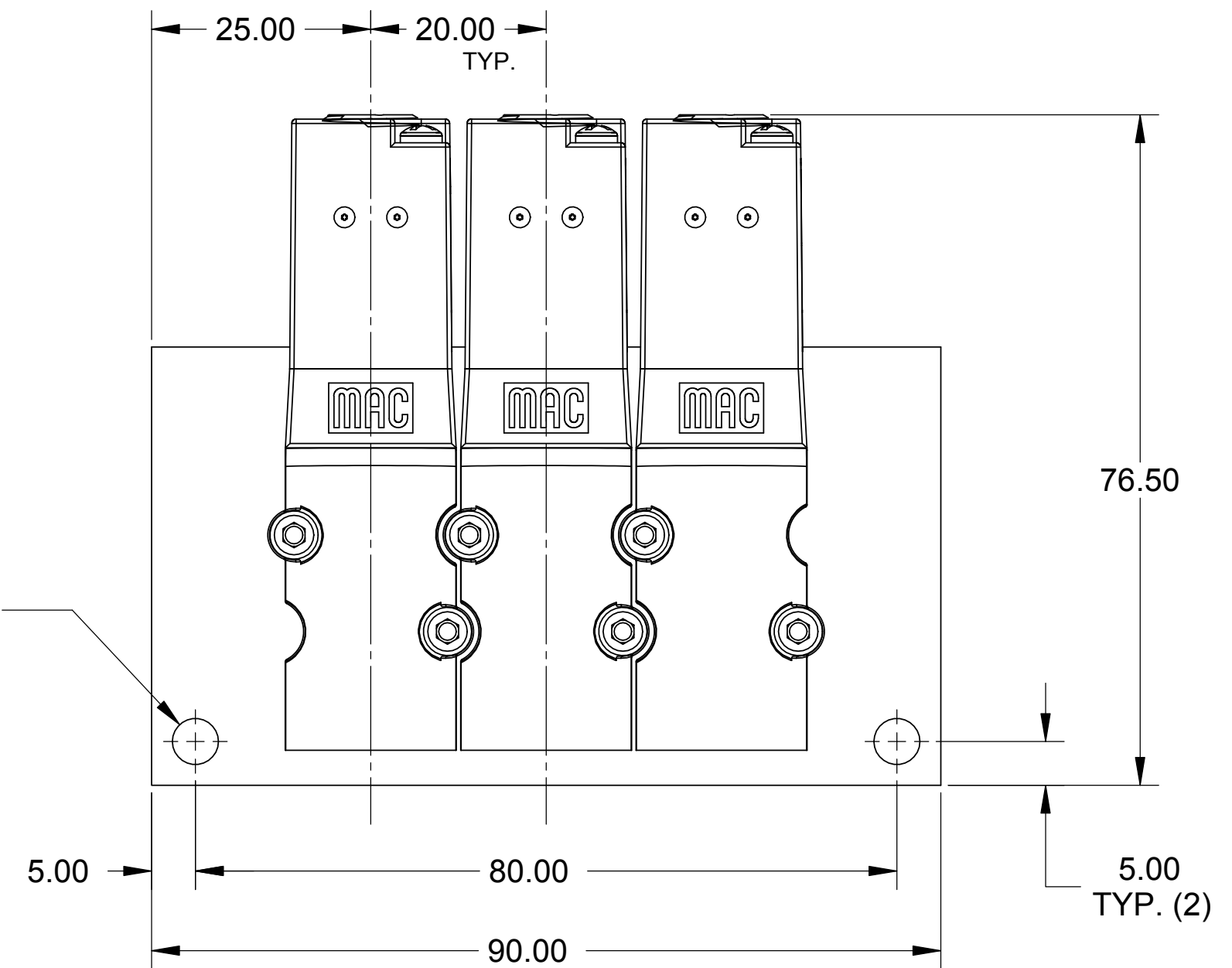
Special Applications
The balanced poppet design facilitates using the same valve for many functions. A valve may be used for pressure and/or vacuum or plugged for 3 Way operation.



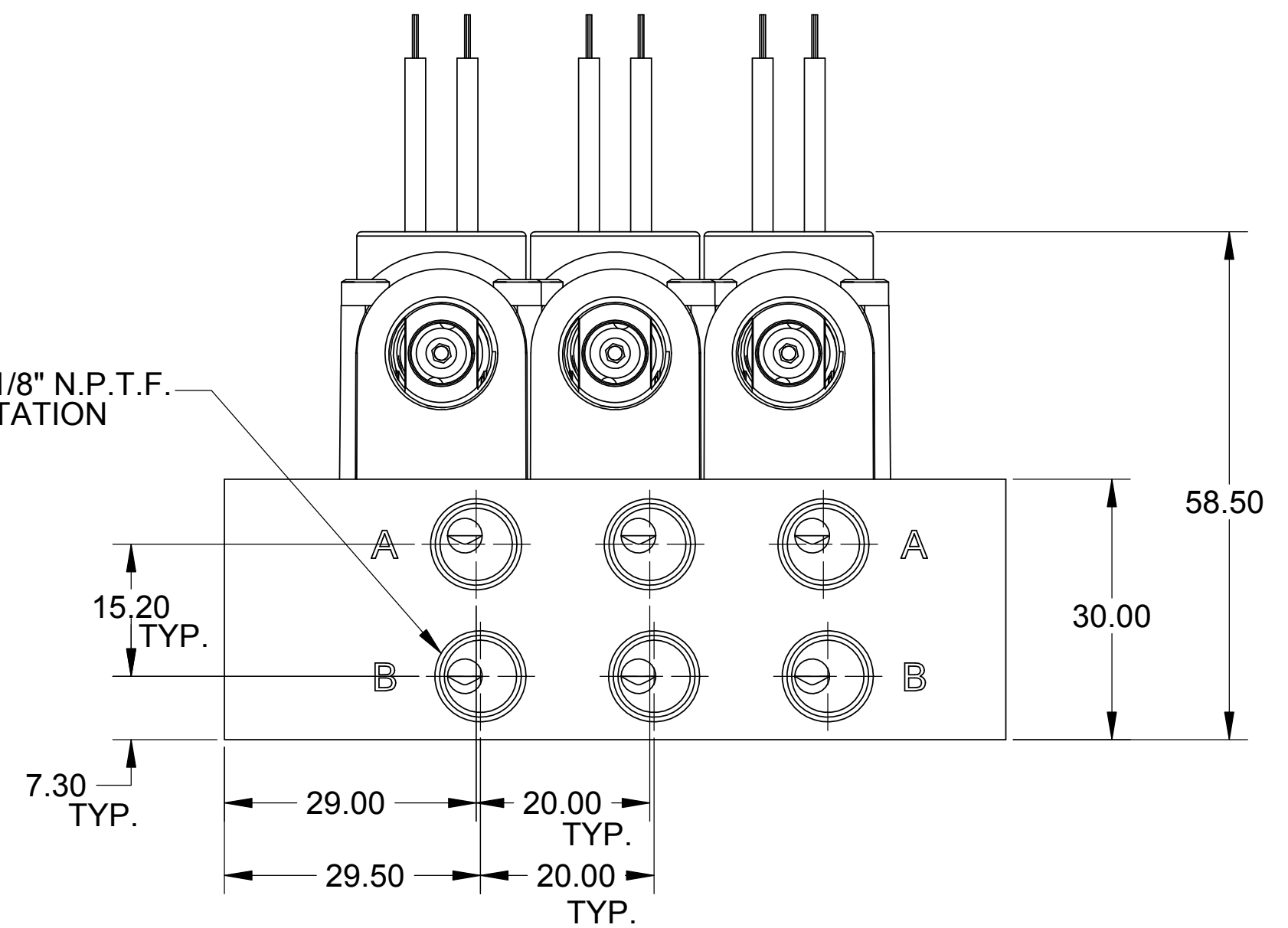


1/4" - 18 N.P.T.F TAP TO GAGE
TYP. (2) BOTH ENDS

Ø 5.25 THRU
TYP. (2)



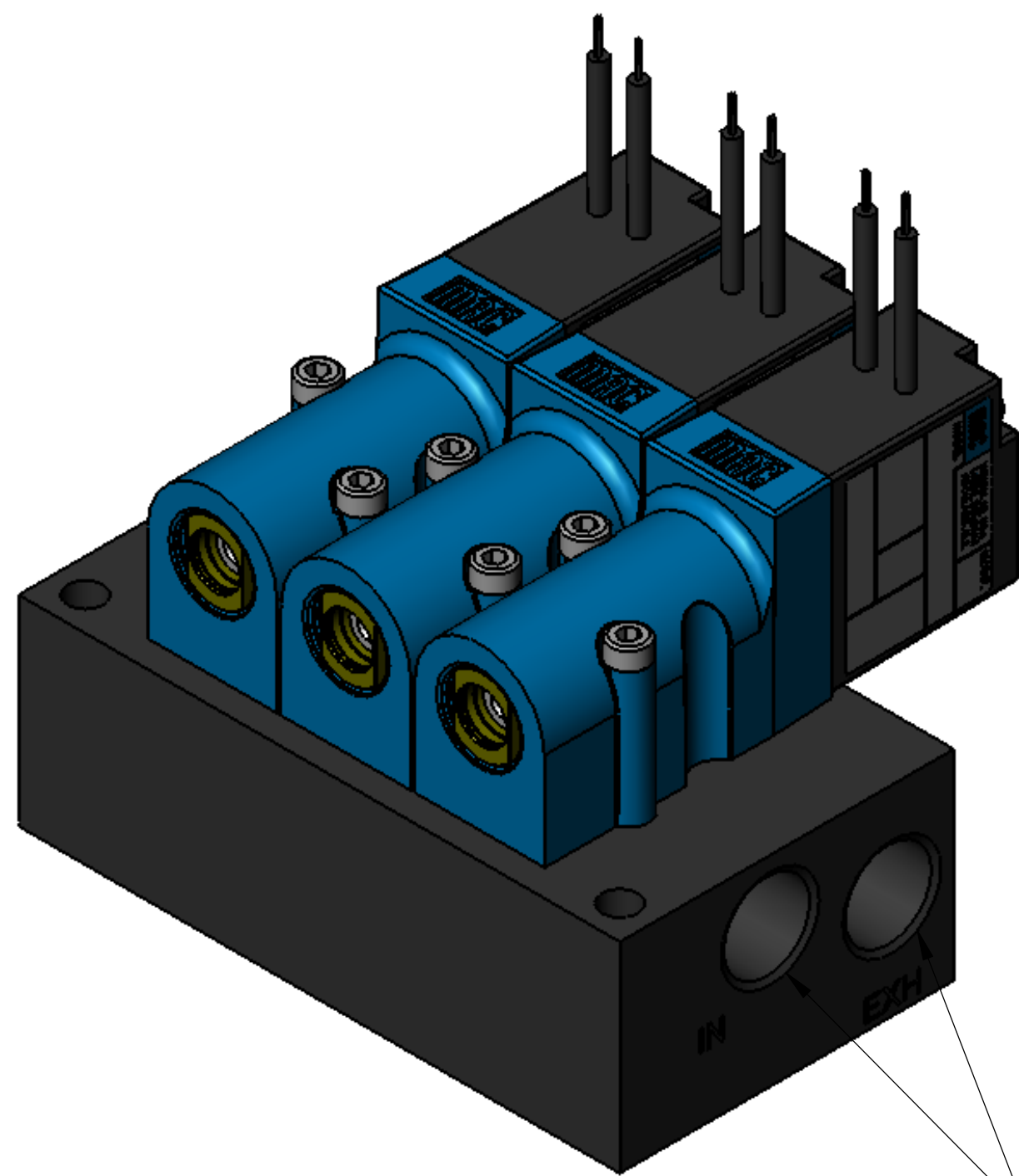
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TYP. (2) PER STATION



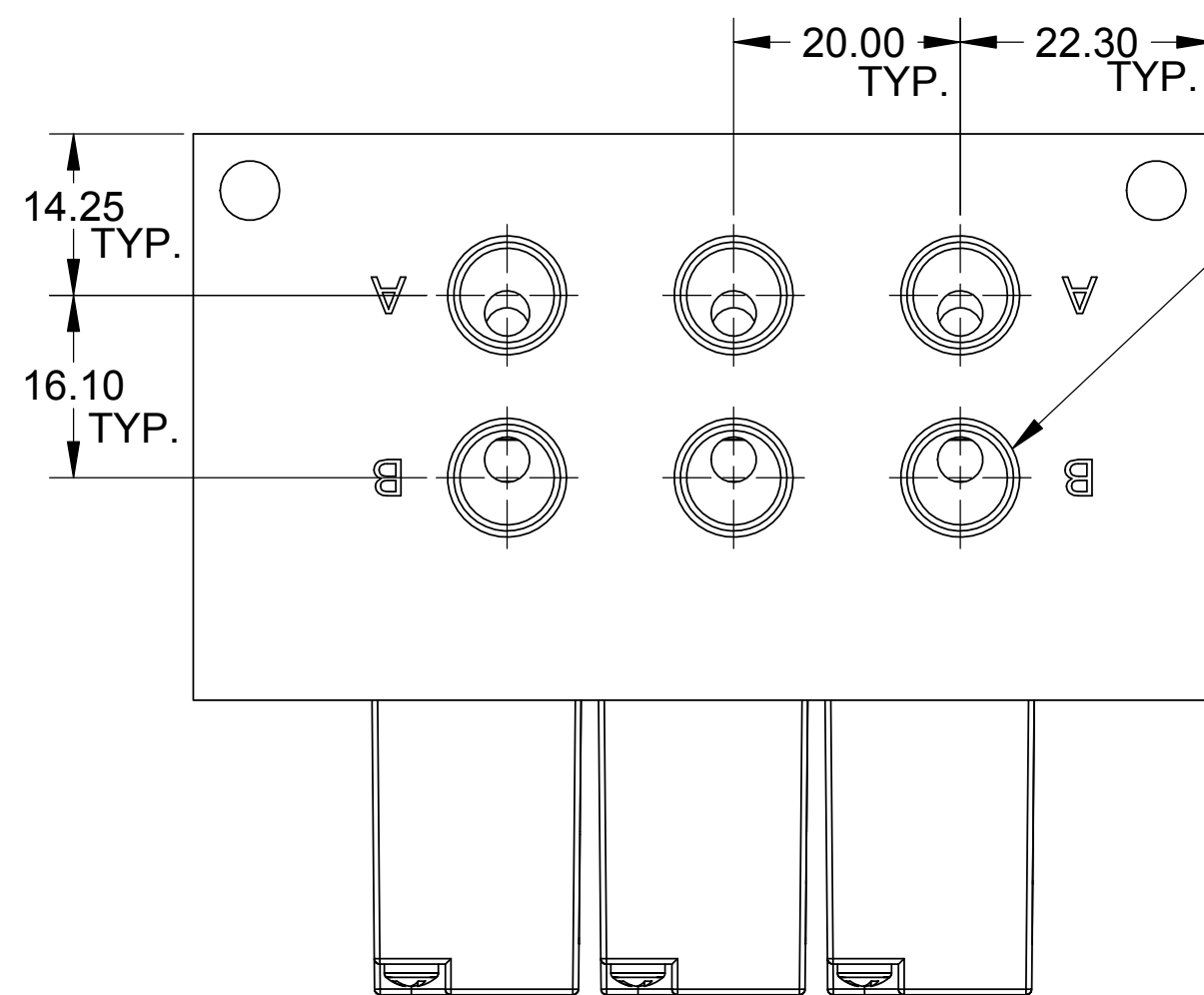
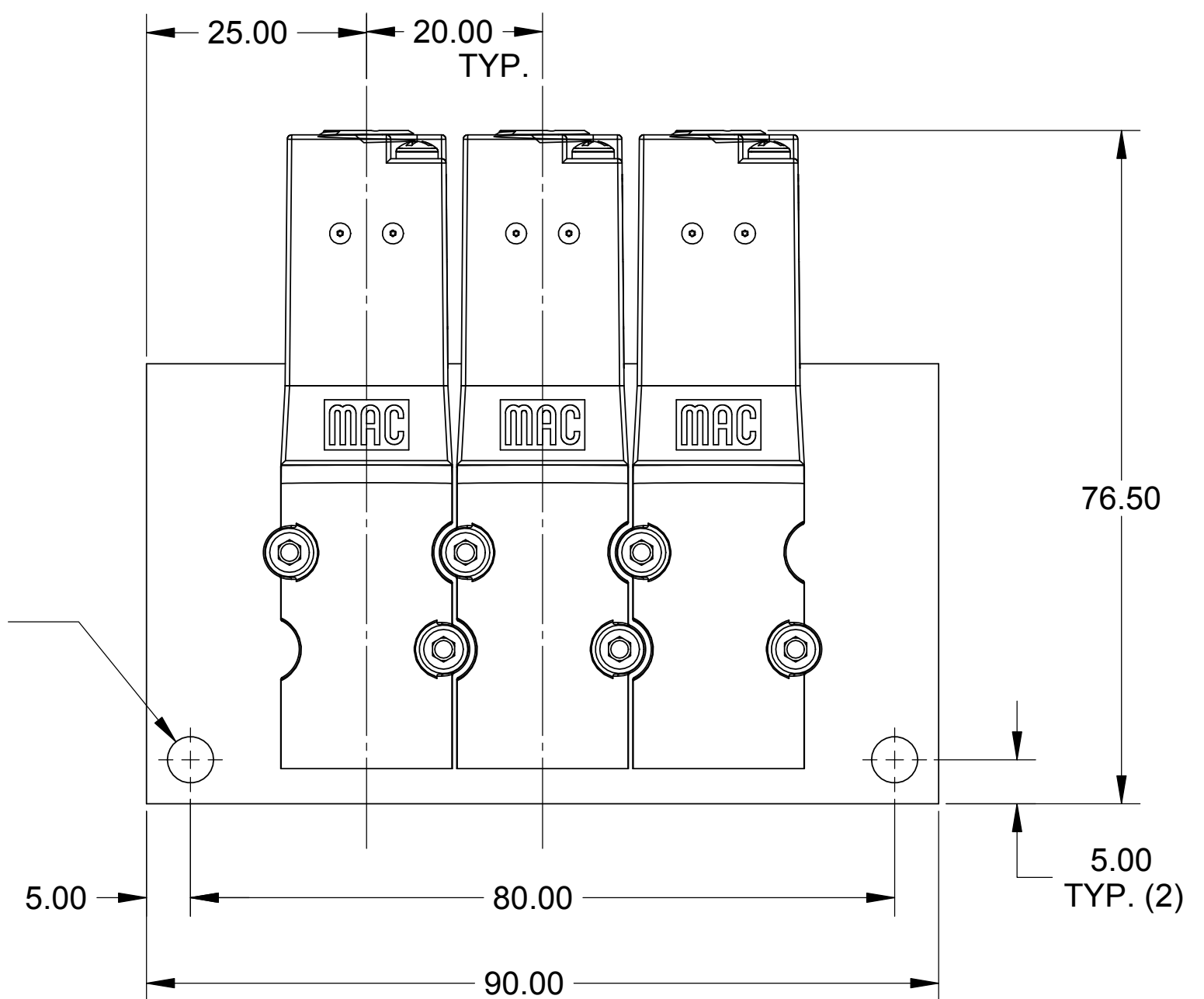
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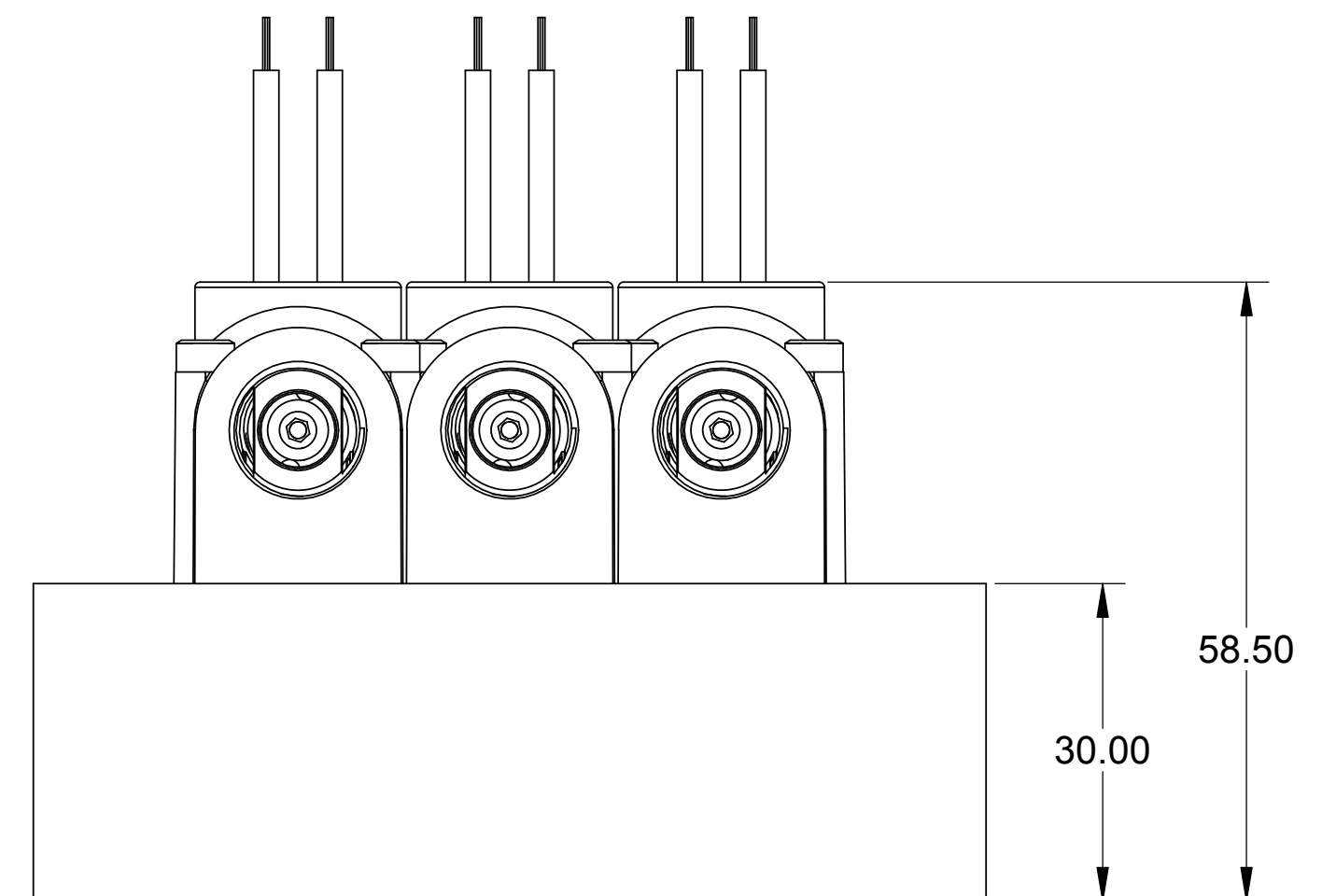
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1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS



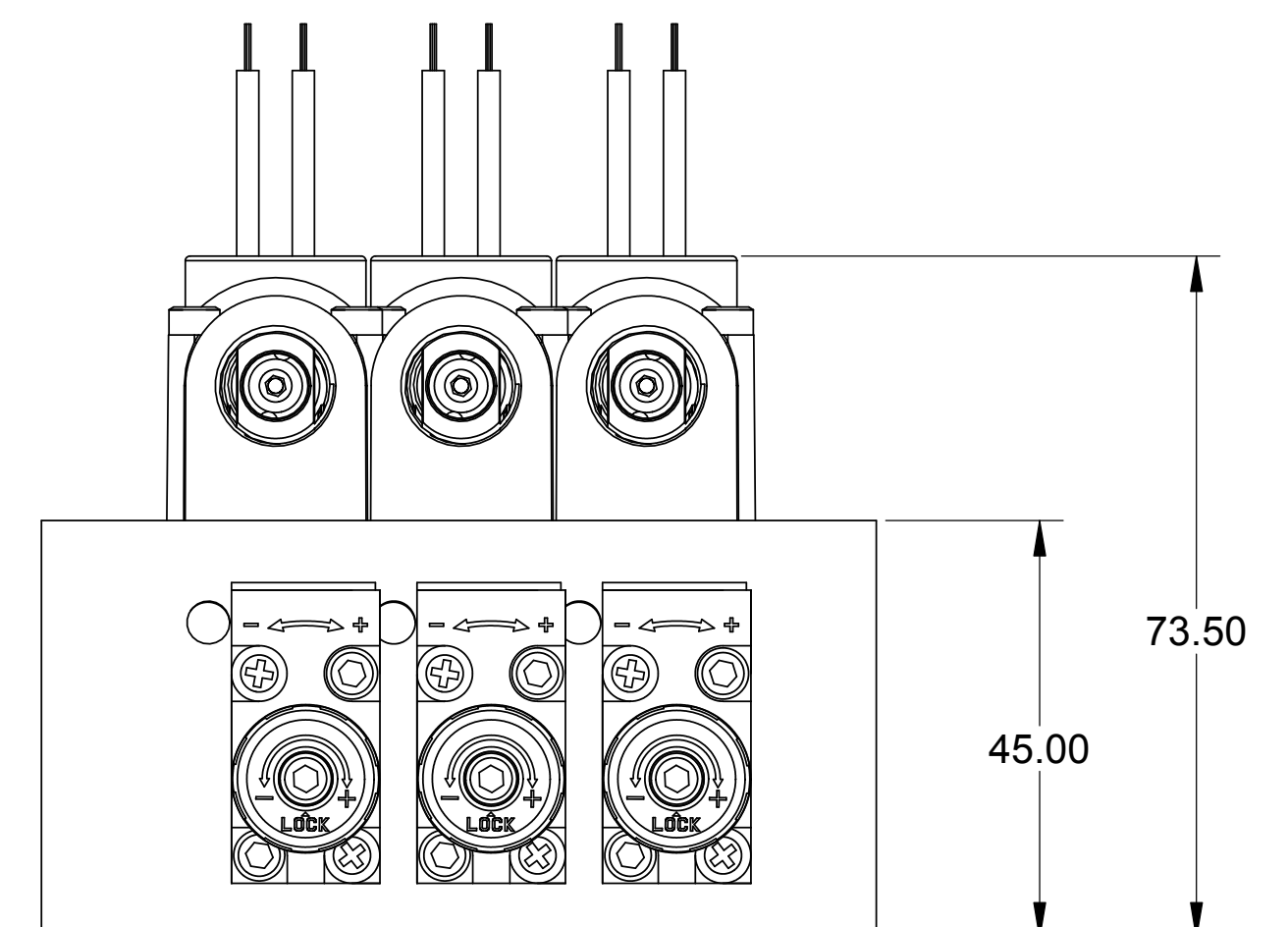
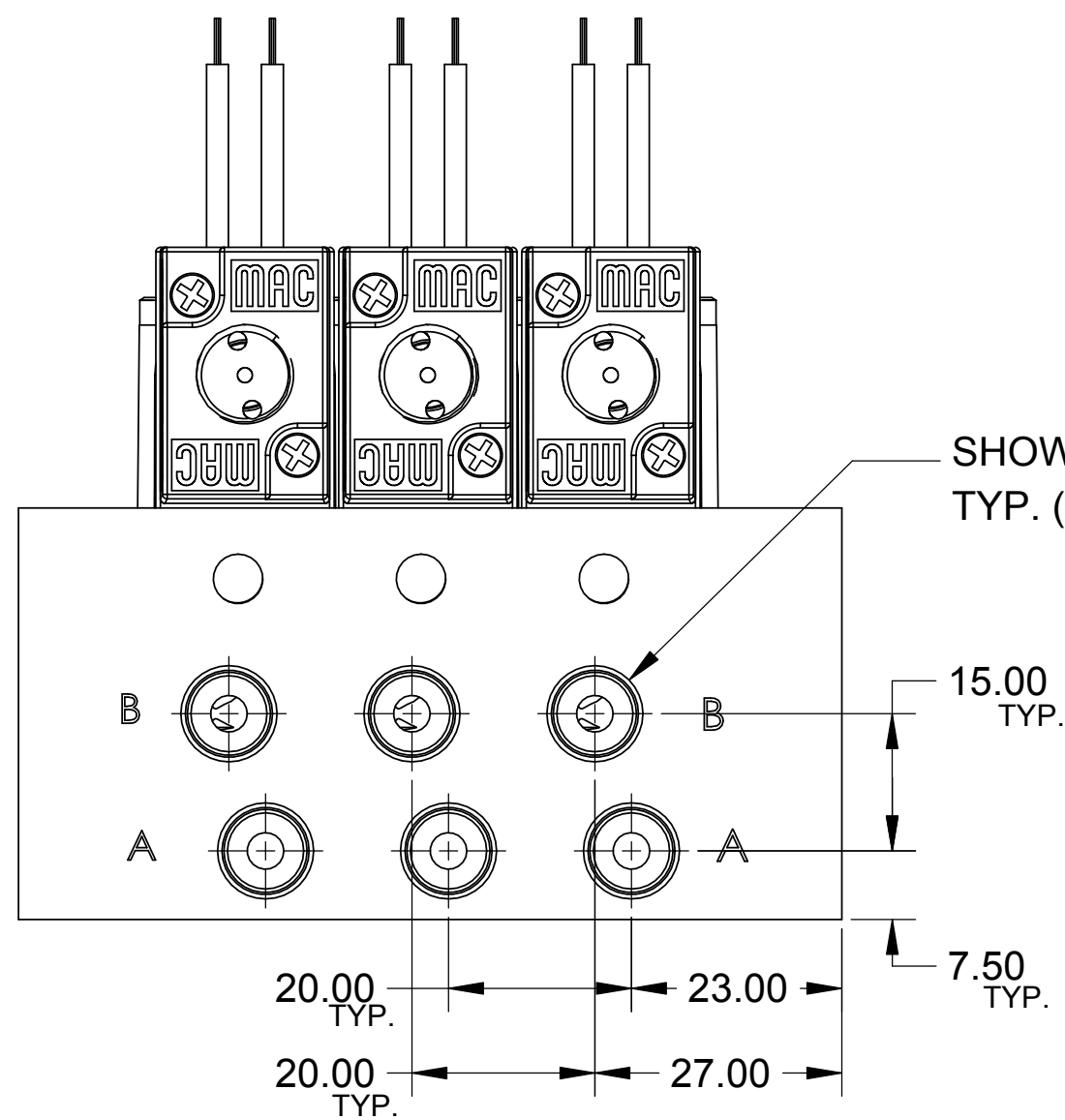
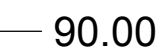
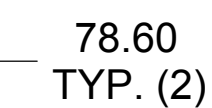
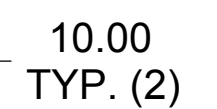
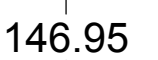
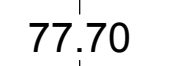
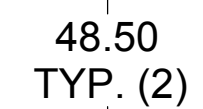
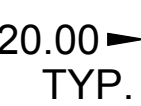
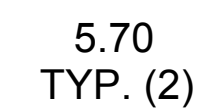
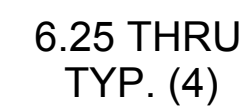
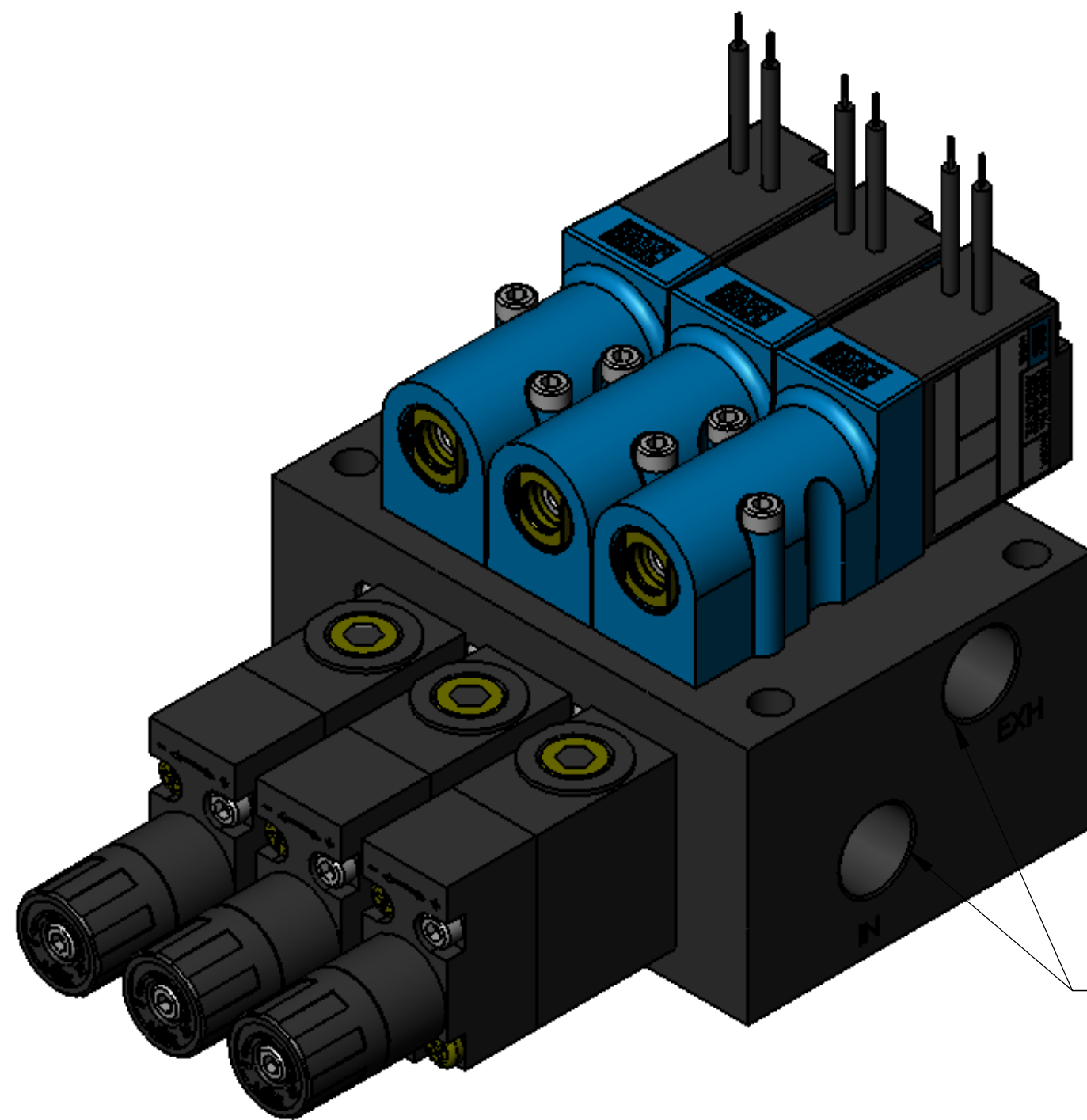
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TYP. (2) PER STATION



EBM46LA-00BAA-XX

* 26mm SPACING AVAILABLE FOR RECTANGULAR CONNECTORS

* SHOWN W/ #1 OPERATOR

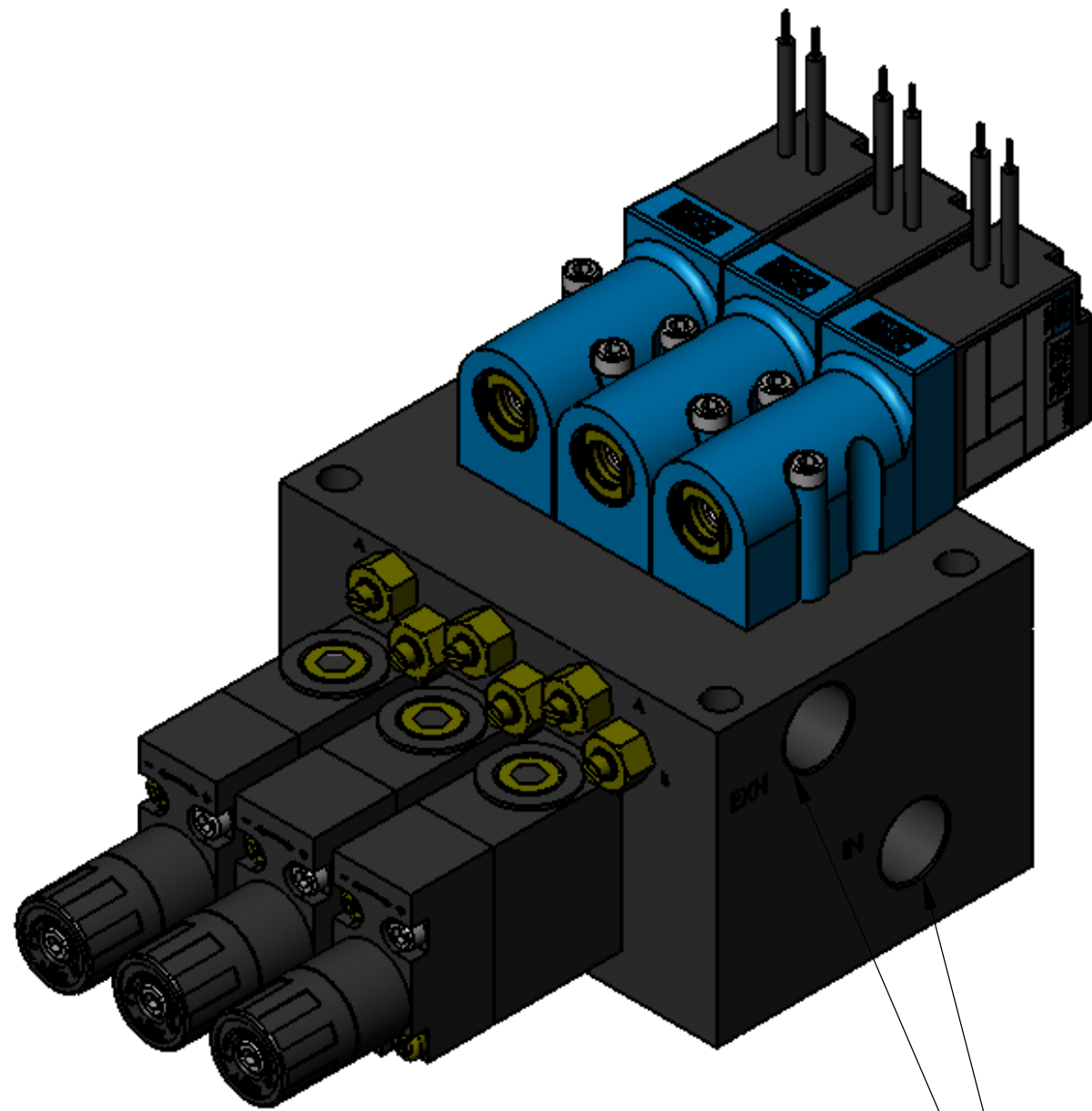


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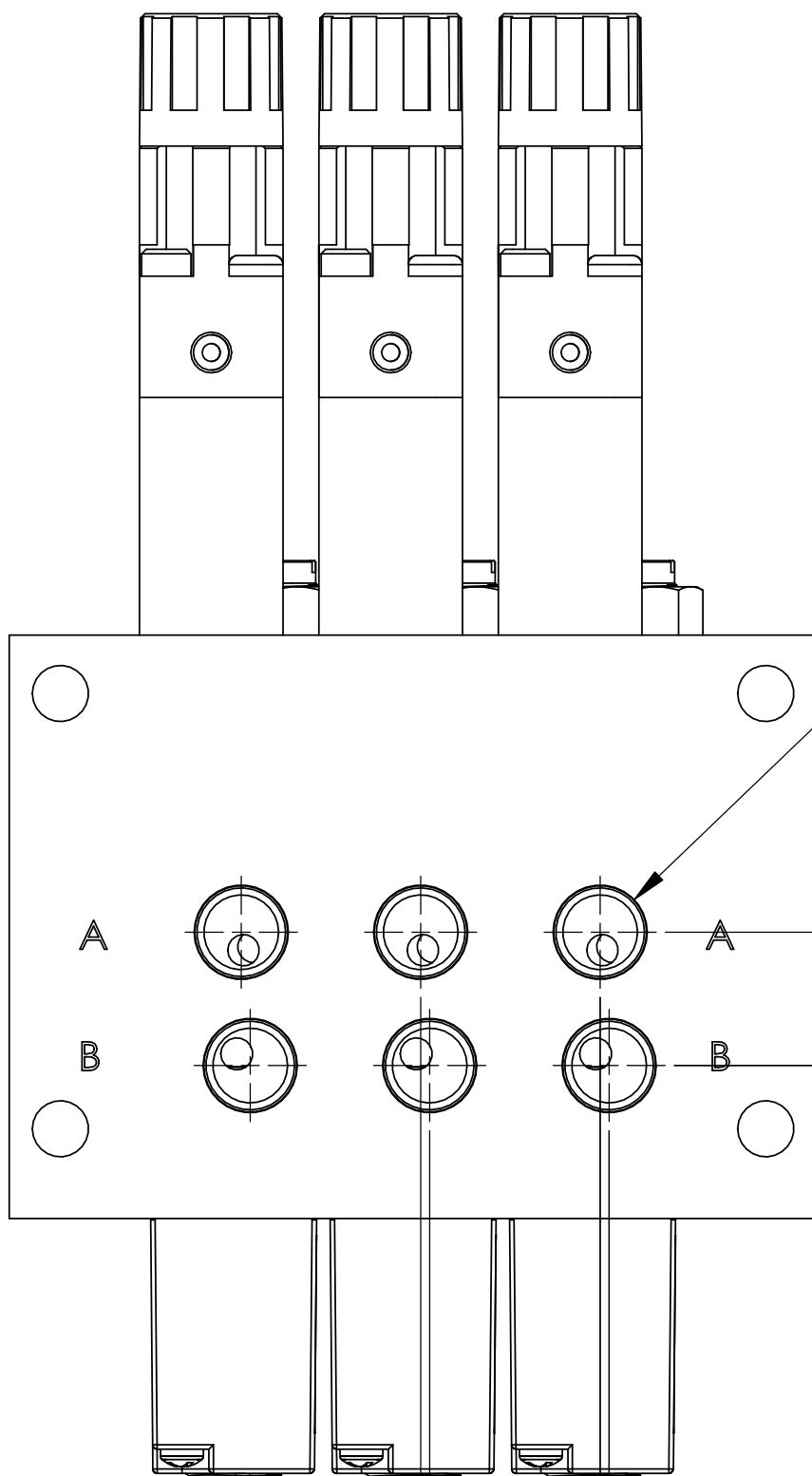
*SHOWN WITH PR46A-0BAA

*26mm SPACING AVAILABLE FOR RECTANGULAR CONNECTORS

*SHOWN W/ #1 OPERATOR



1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS



SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION

14.85
TYP.

17.05
TYP.

20.00 TYP. 23.15
20.00 TYP. 24.15

EBM46LA-00FAA-XX

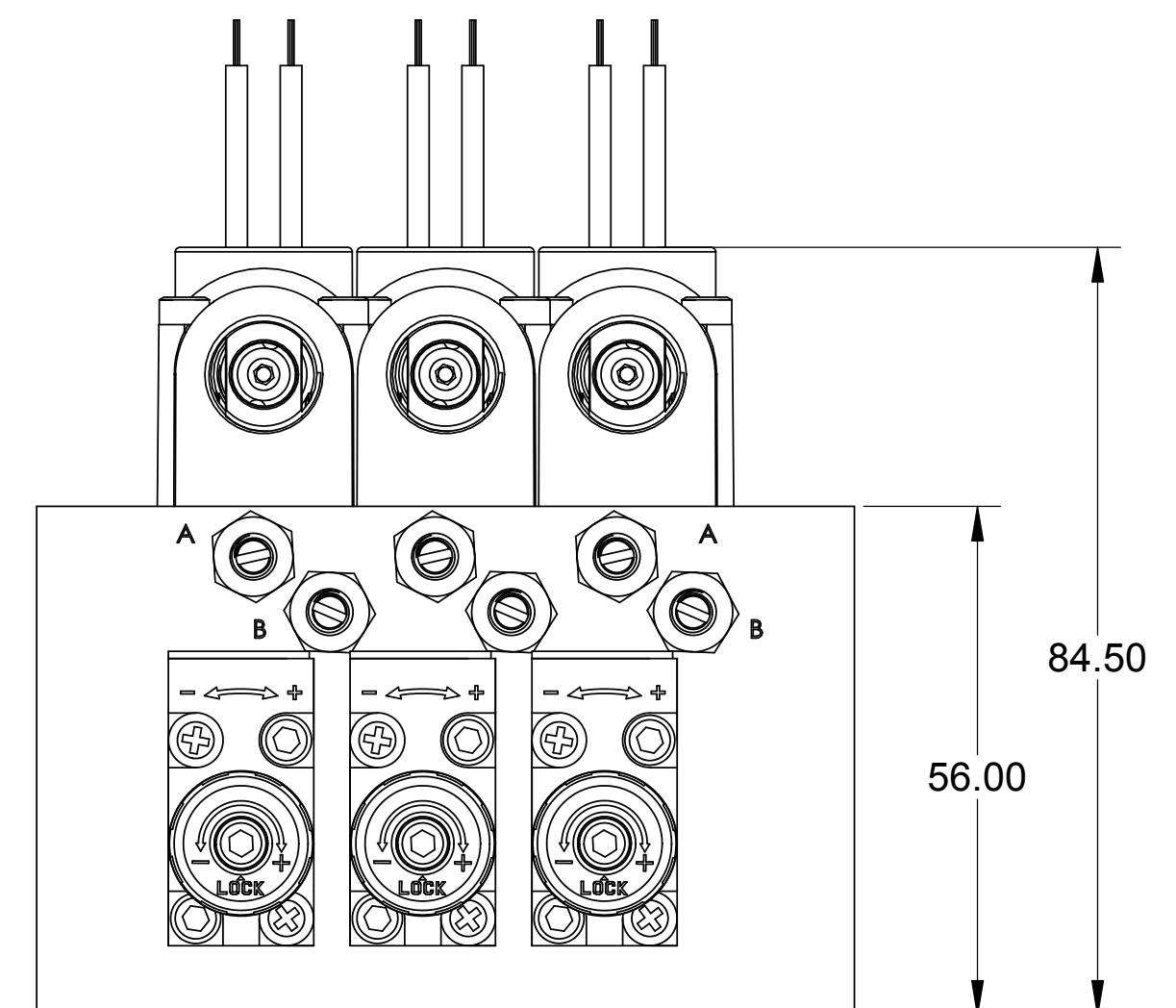
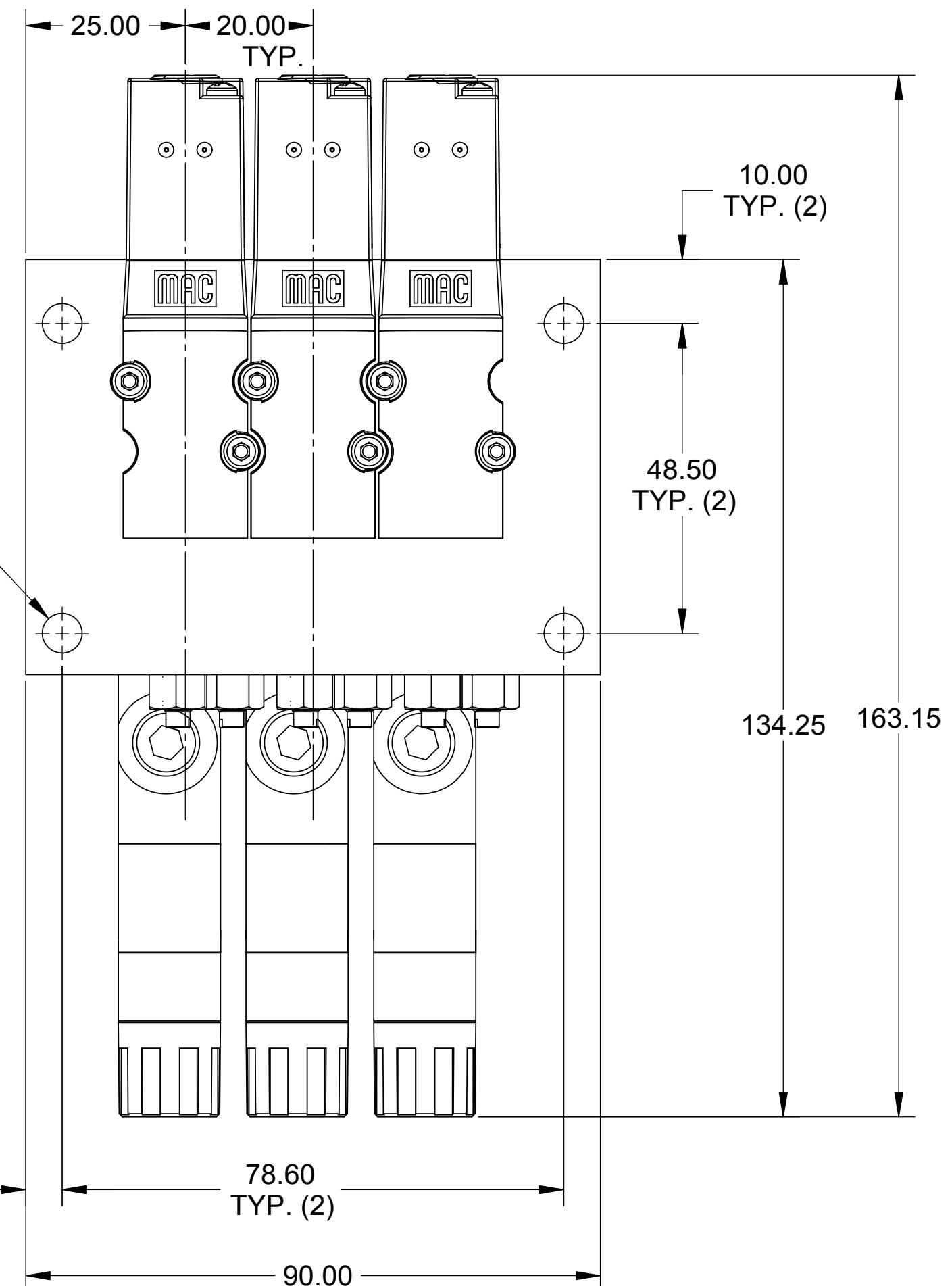
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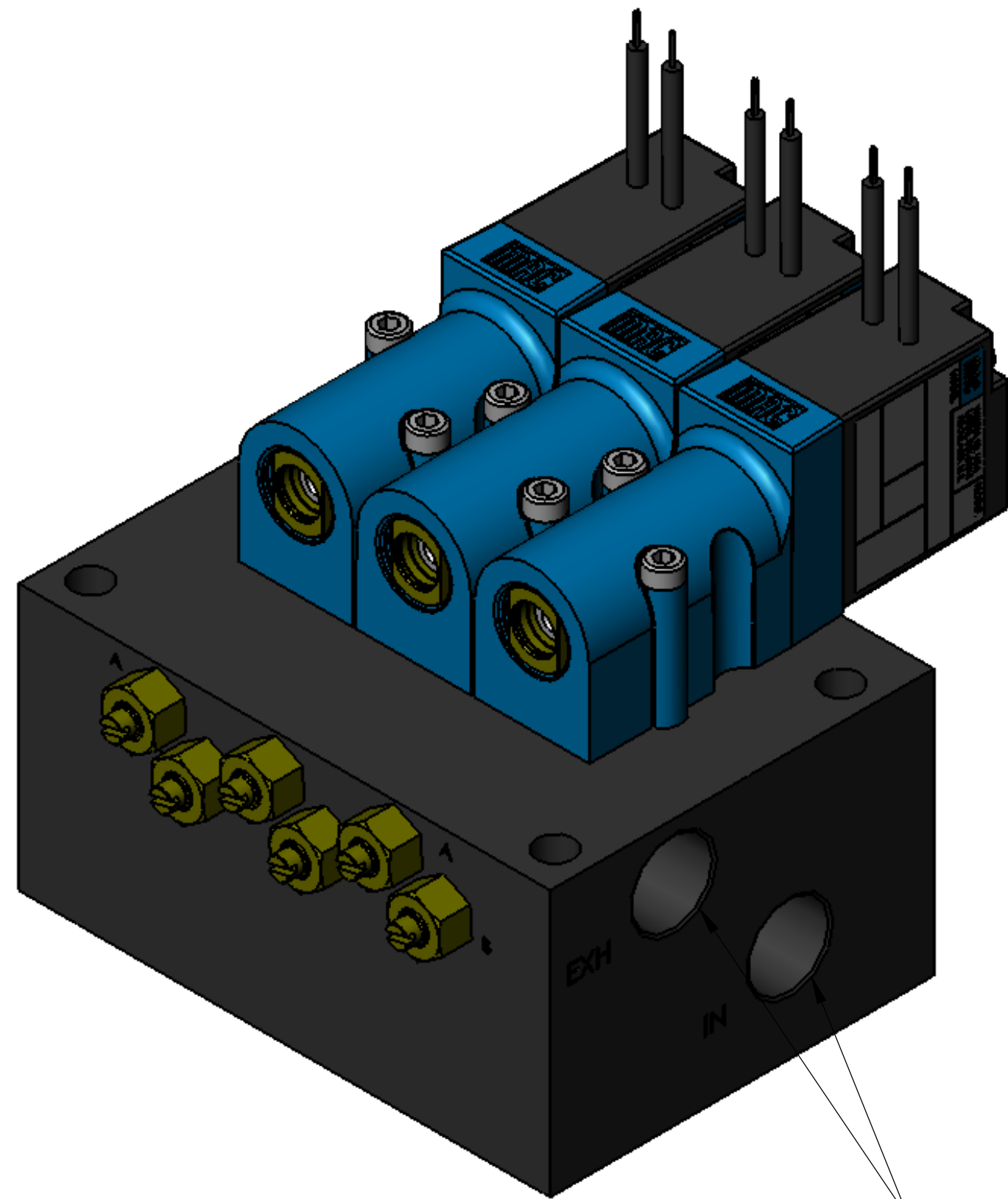
*26mm SPACING AVAILABLE FOR RECTANGULAR CONNECTORS

*SHOWN W/ #1 OPERATOR

6.25 THRU
TYP. (4)

5.70
TYP. (2)





6.25 THRU
TYP. (4)

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

5.70
TYP. (2)

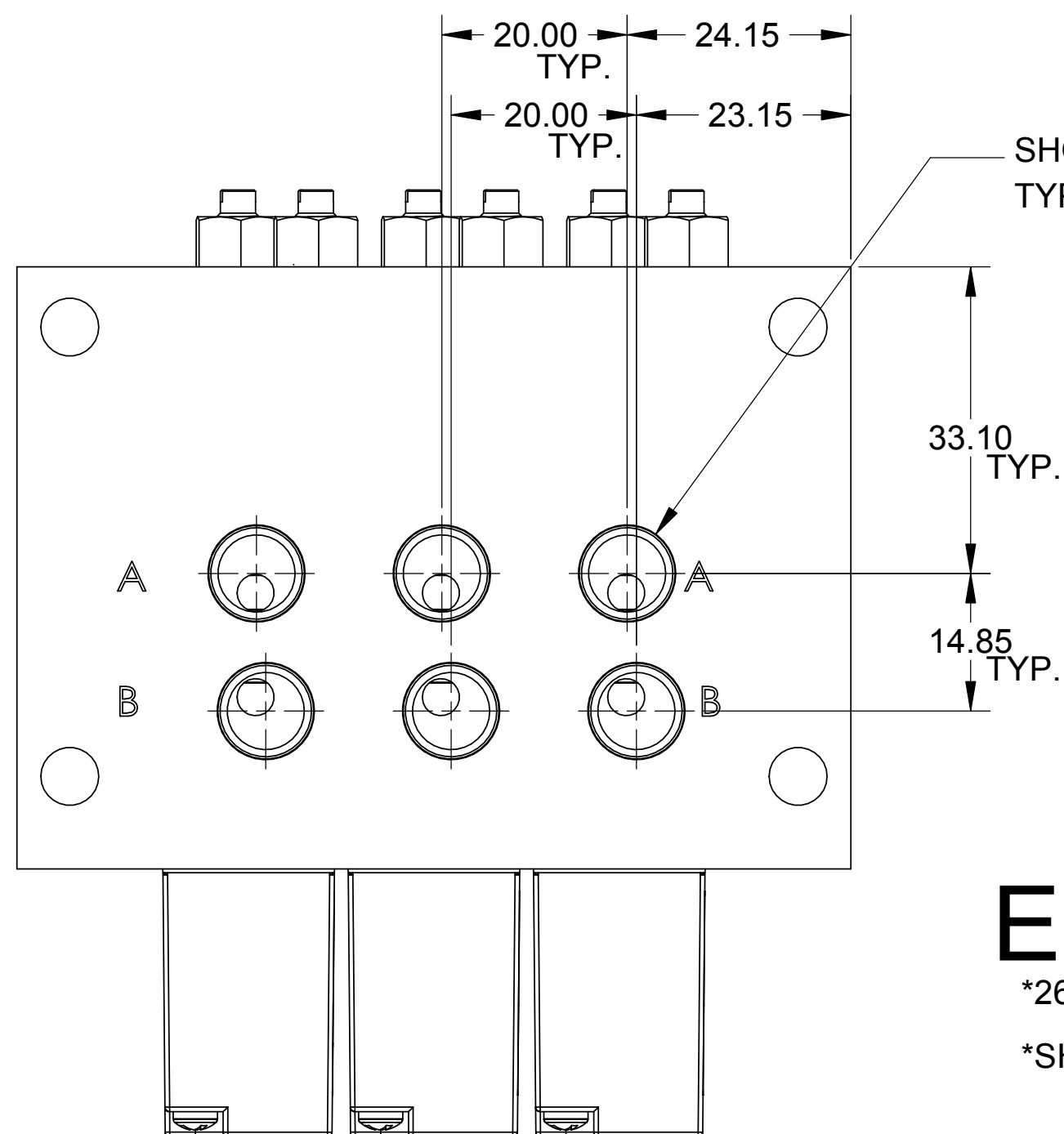
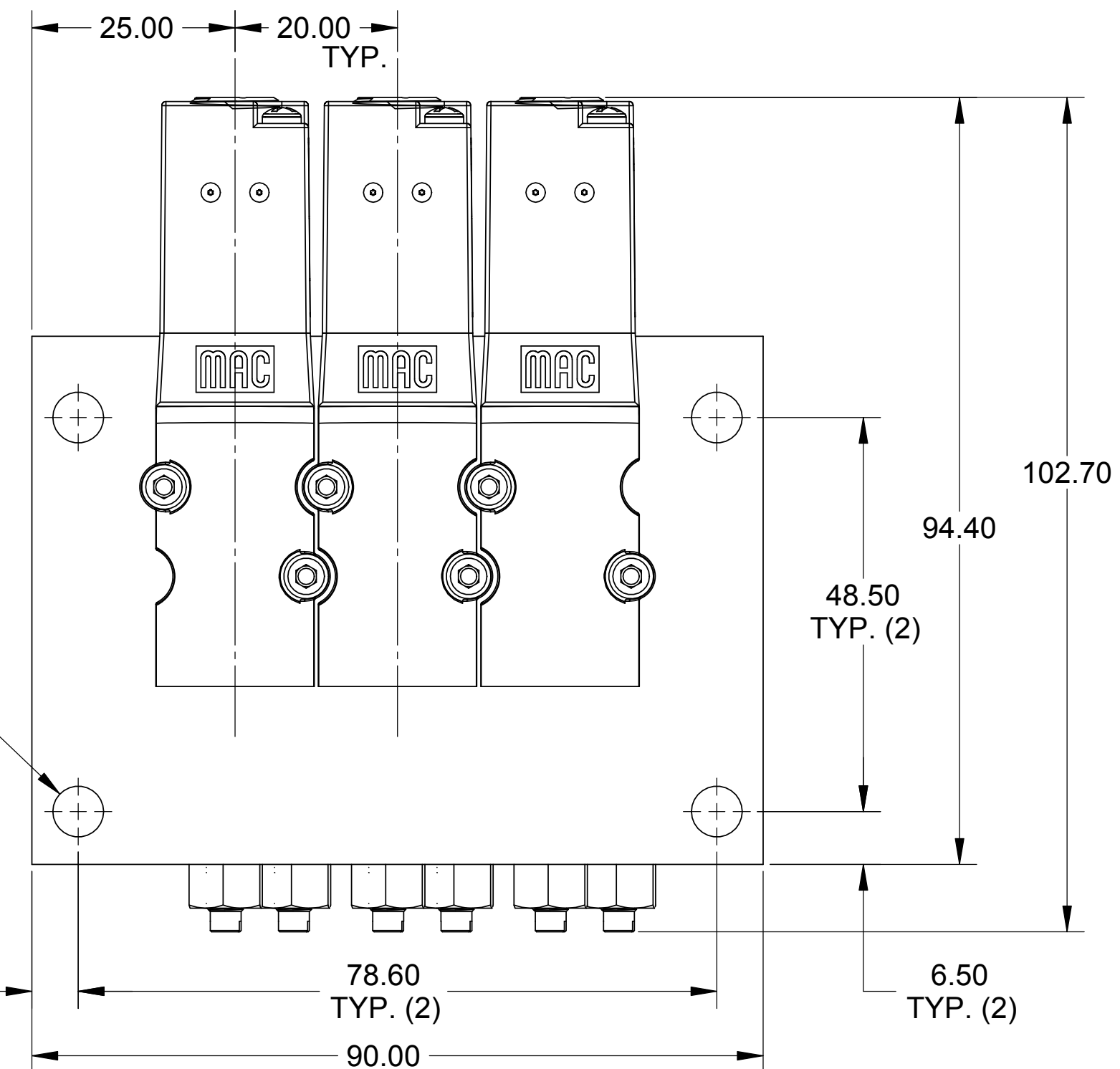
78.60
TYP. (2)

6.50
TYP. (2)

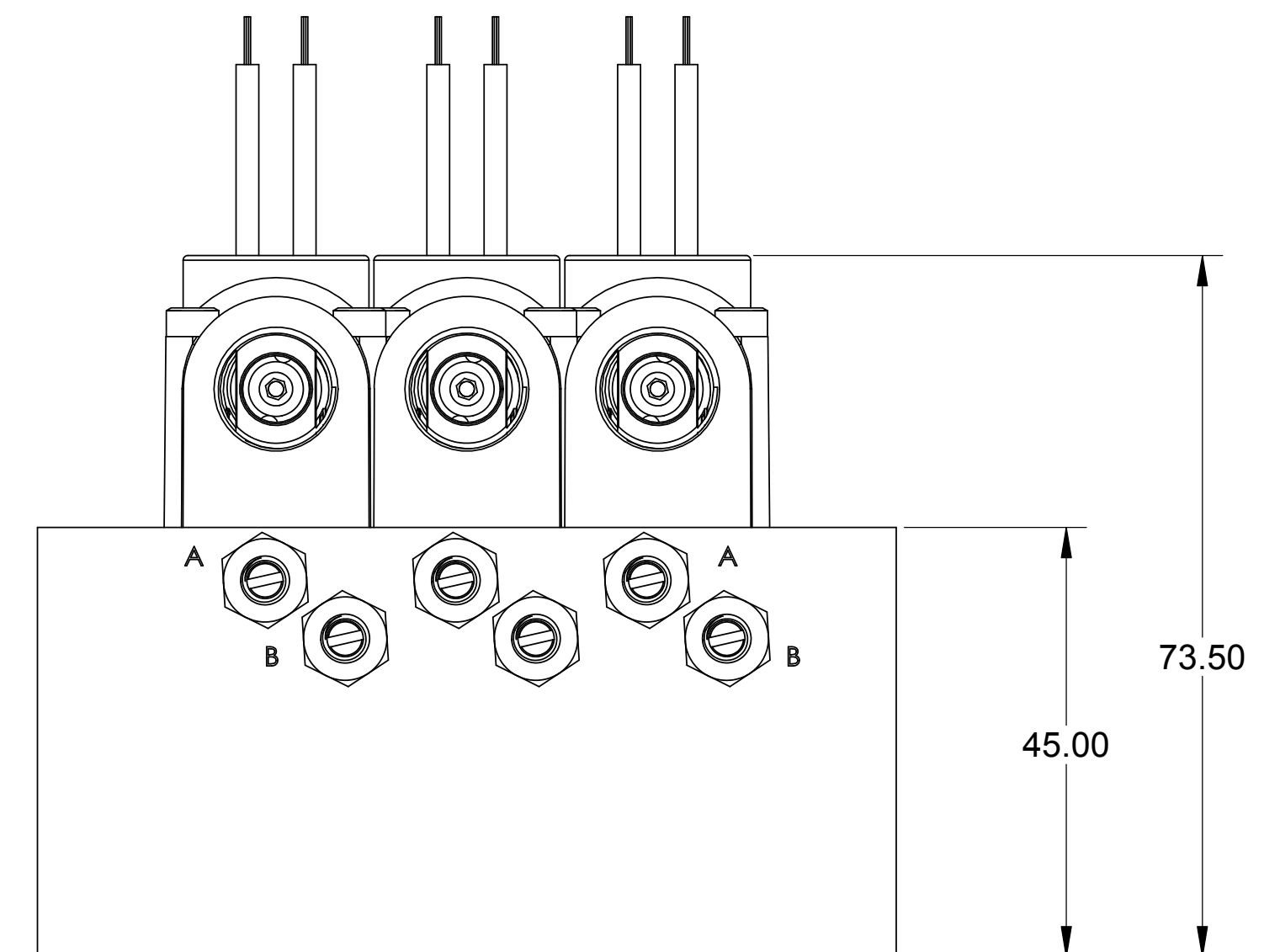
102.70

94.40

48.50
TYP. (2)



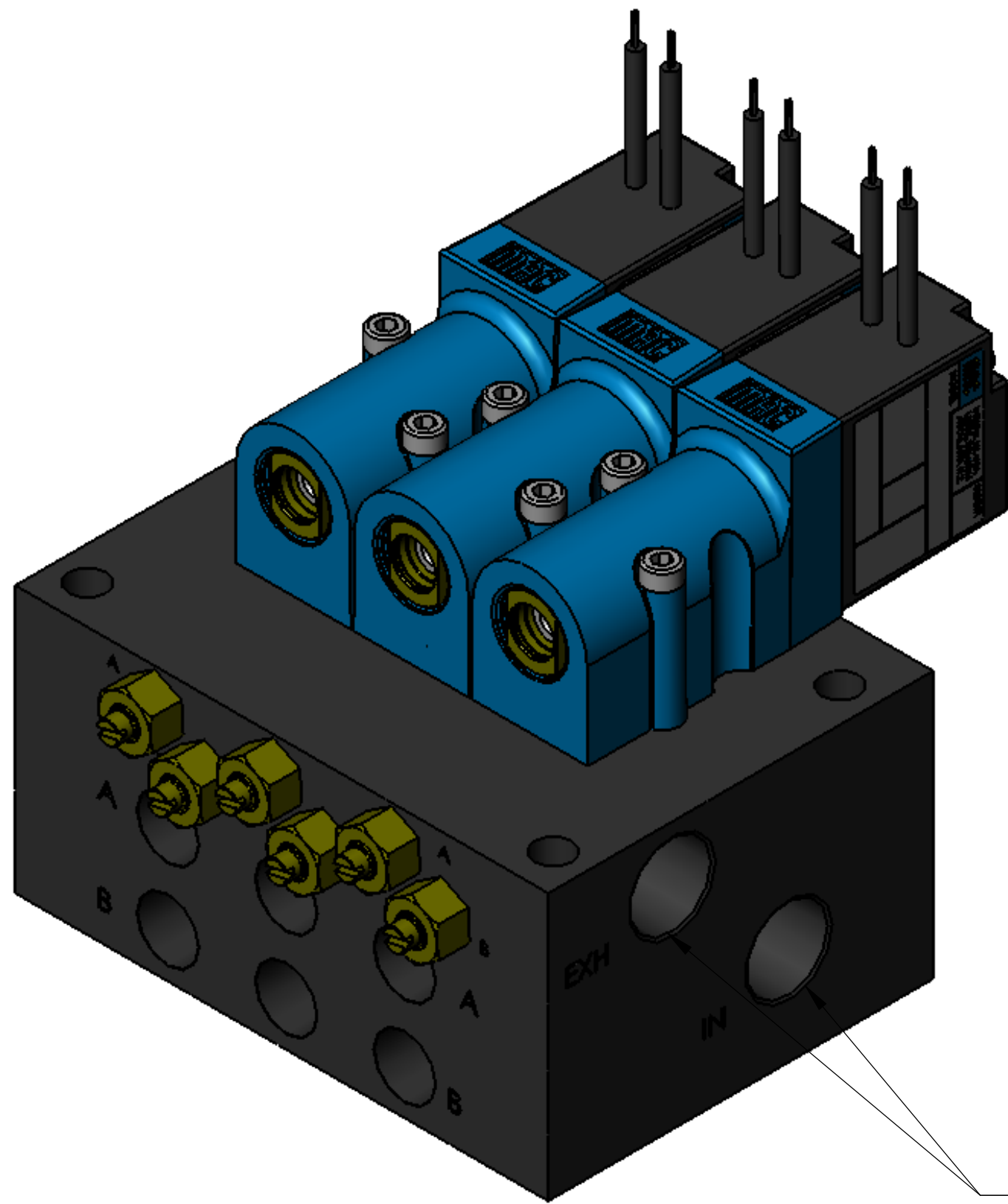
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TYP. (2) PER STATION



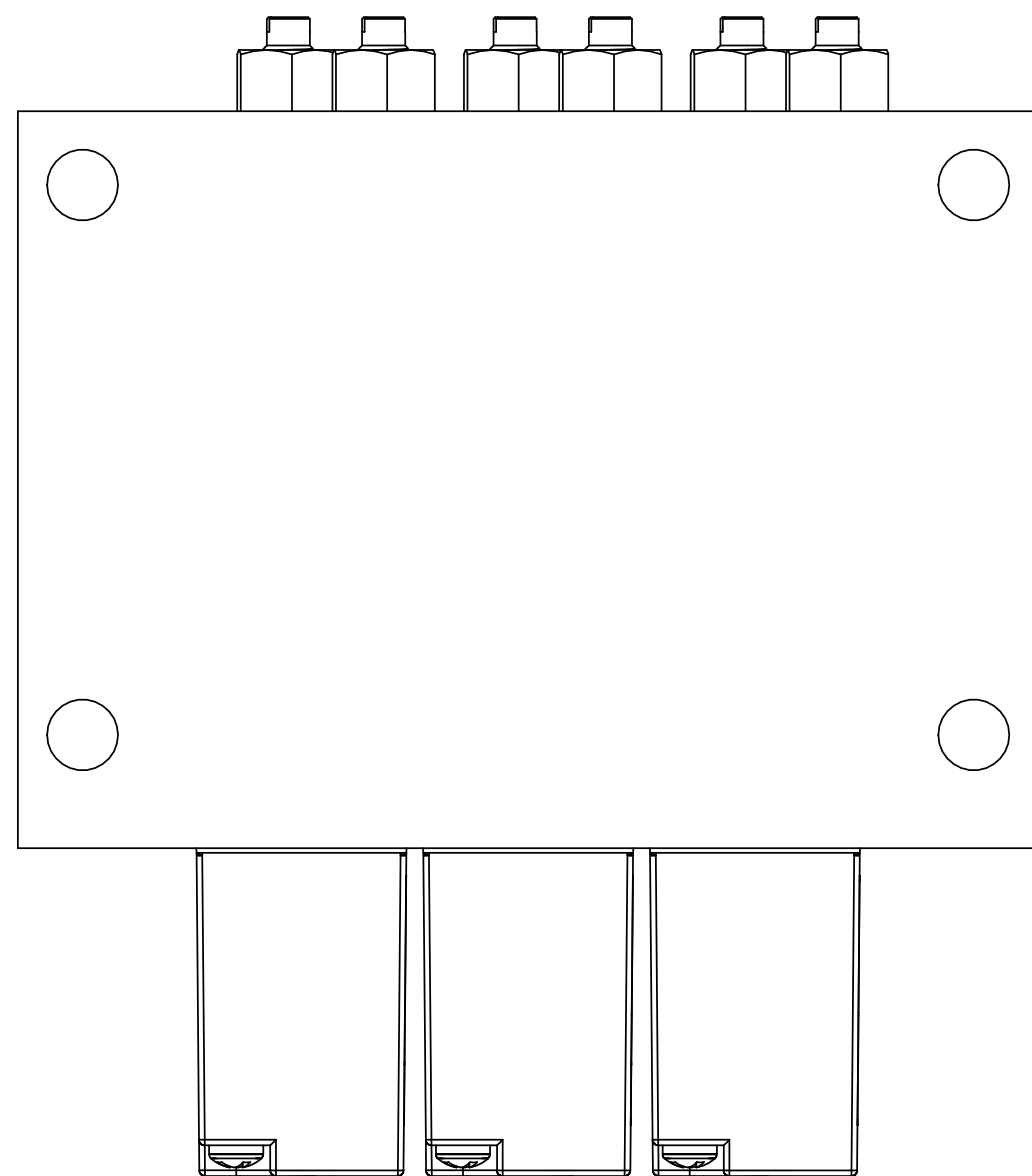
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*26mm SPACING AVAILABLE FOR RECTANGULAR CONNECTORS

*SHOWN W/ #1 OPERATOR



1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

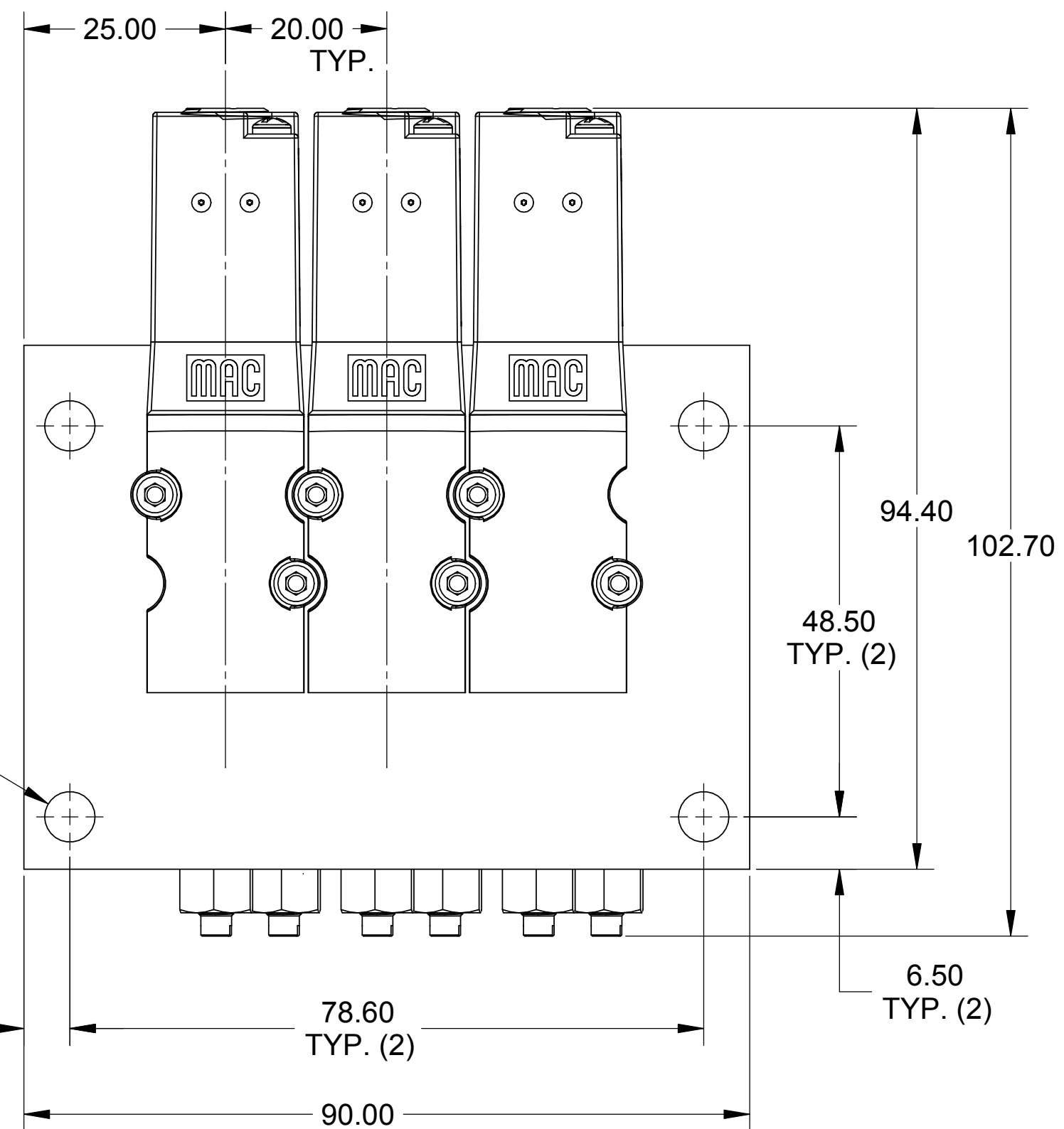


6.25 THRU
TYP. (4)

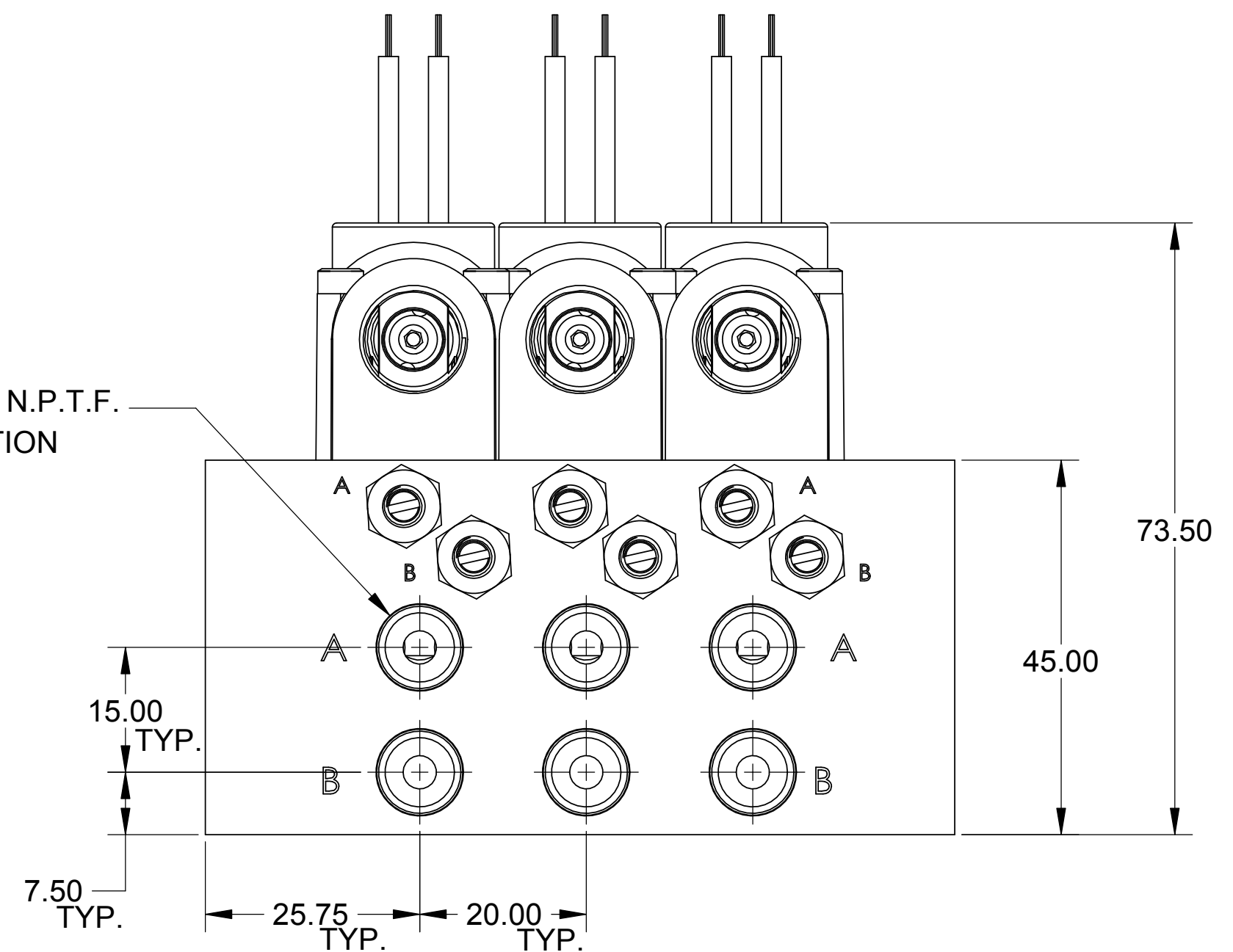
5.70
TYP. (2)

78.60
TYP. (2)

6.50
TYP. (2)



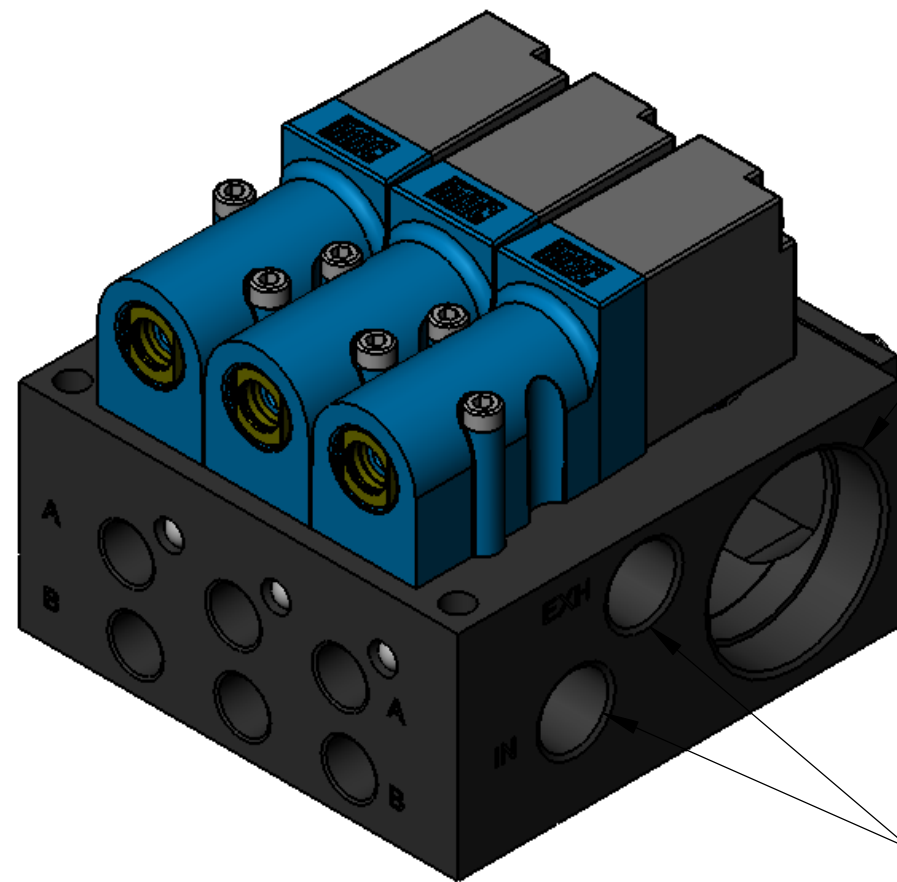
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TYP. (2) PER STATION



EBM46LA-00DAA-XX

*26mm SPACING AVAILABLE FOR RECTANGULAR CONNECTORS

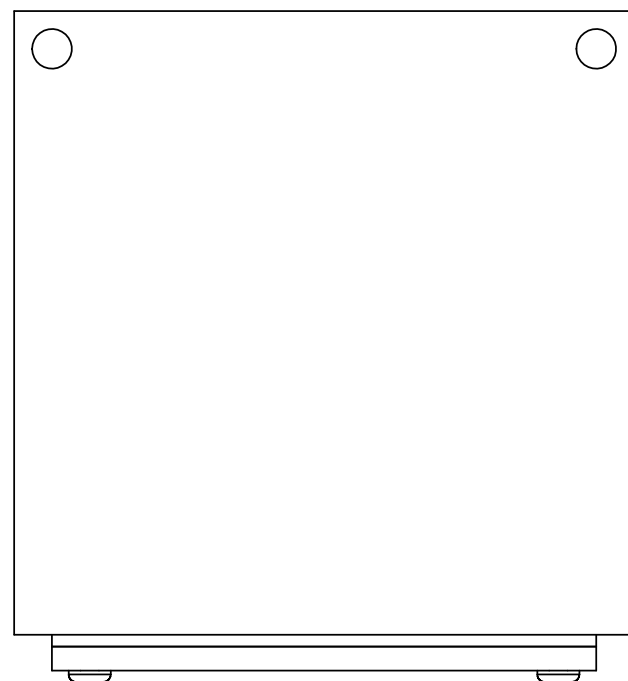
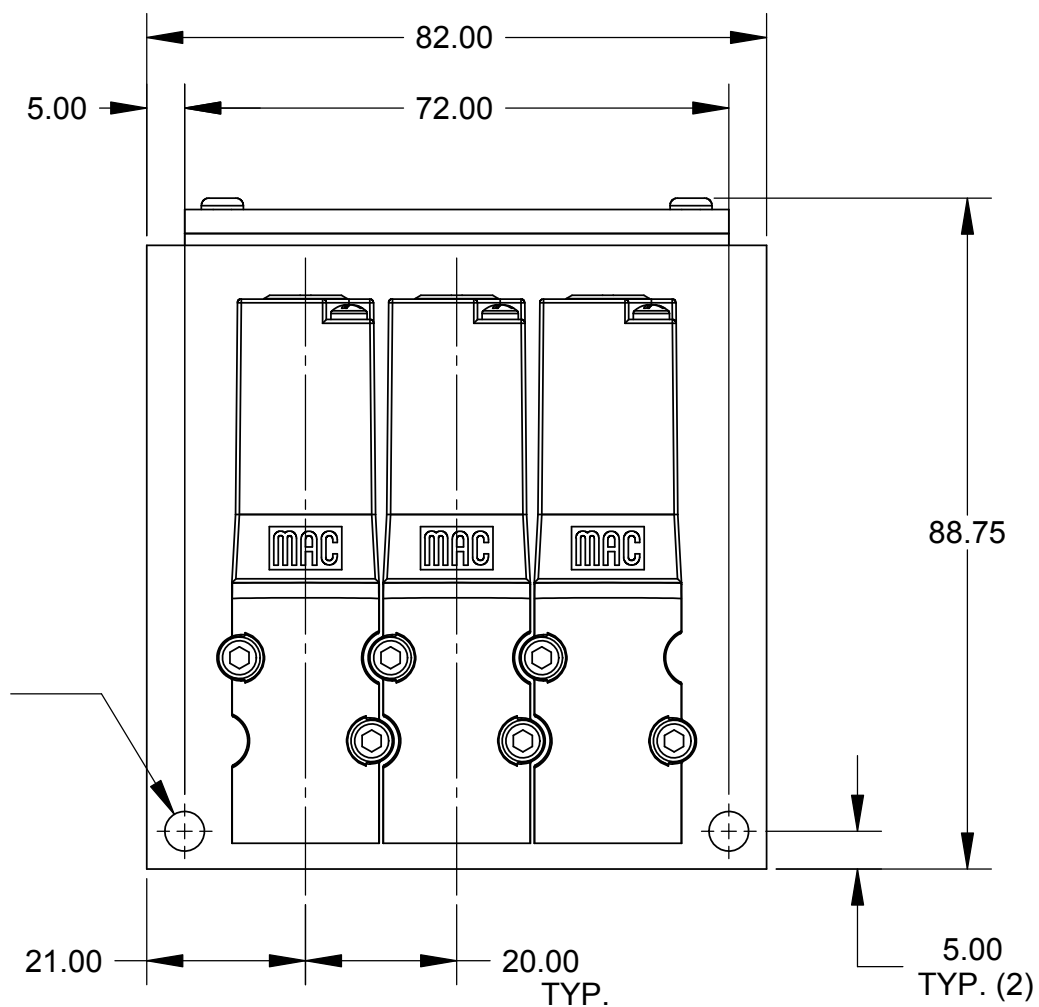
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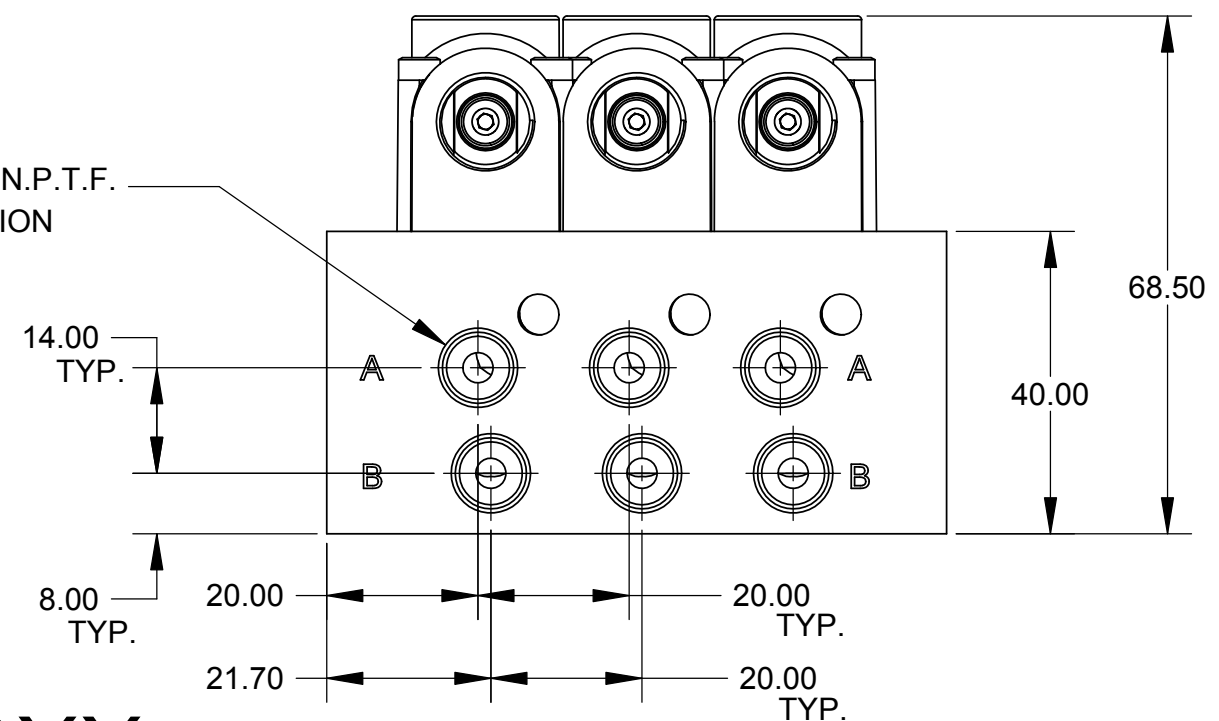
1" - 11 1/2 N.P.S.M. TAP
8.5 FULL THREAD DEPTH
TYP. BOTH ENDS

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

Ø 5.25 THRU
TYP. (2)

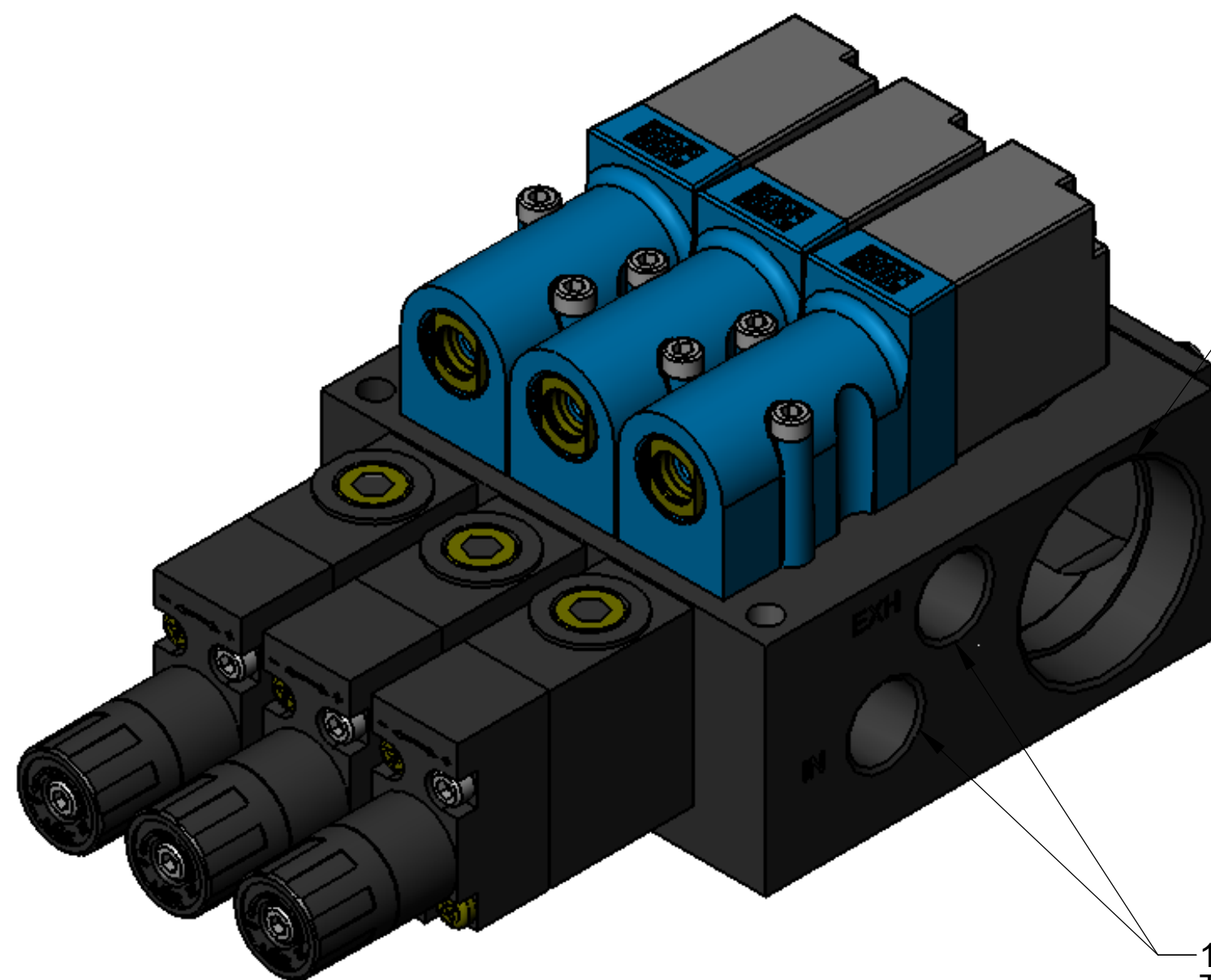


SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION



ECD46LA-00AAA-A0XX

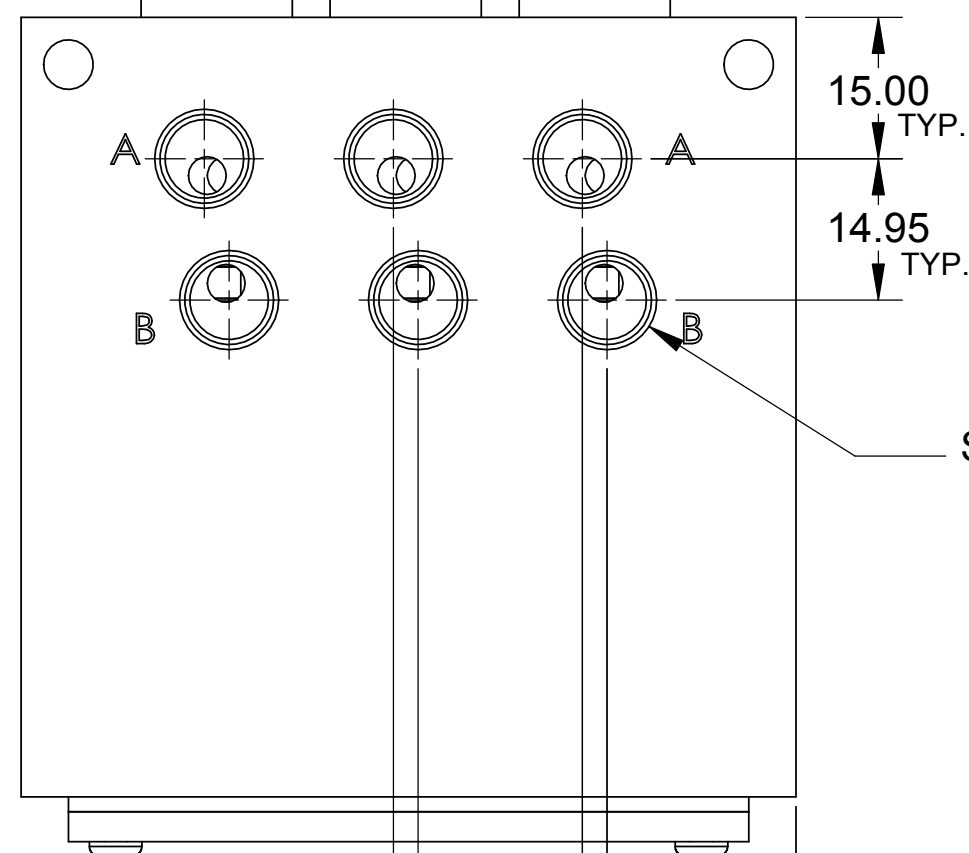
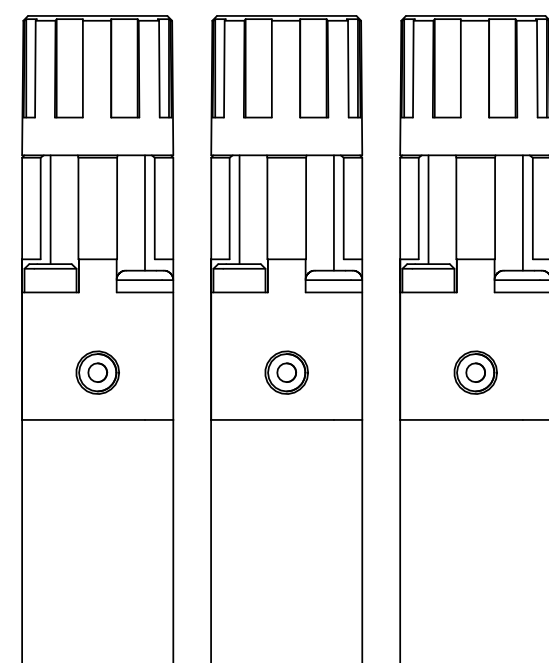
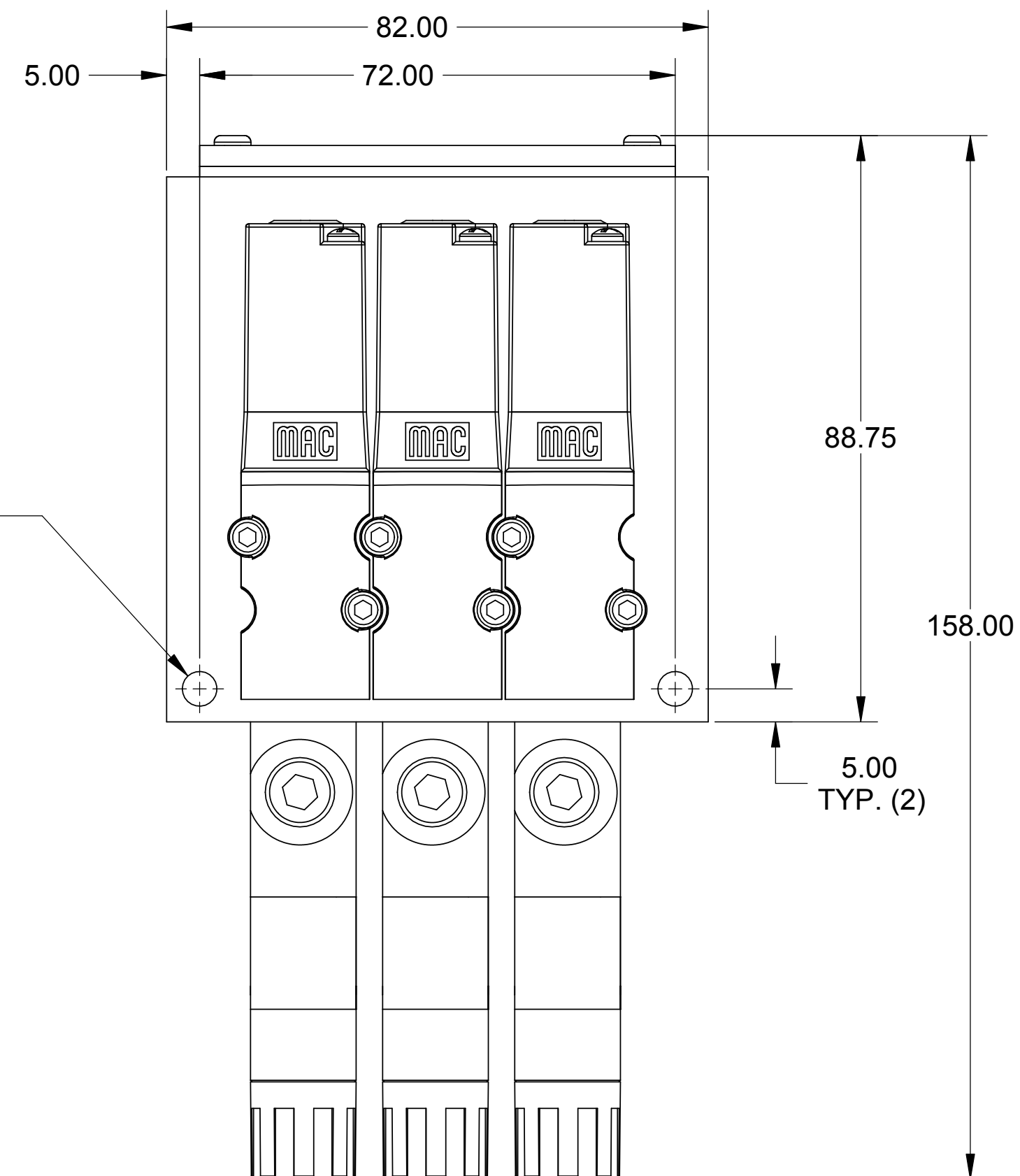
*SHOWN W/ #1 OPERATOR



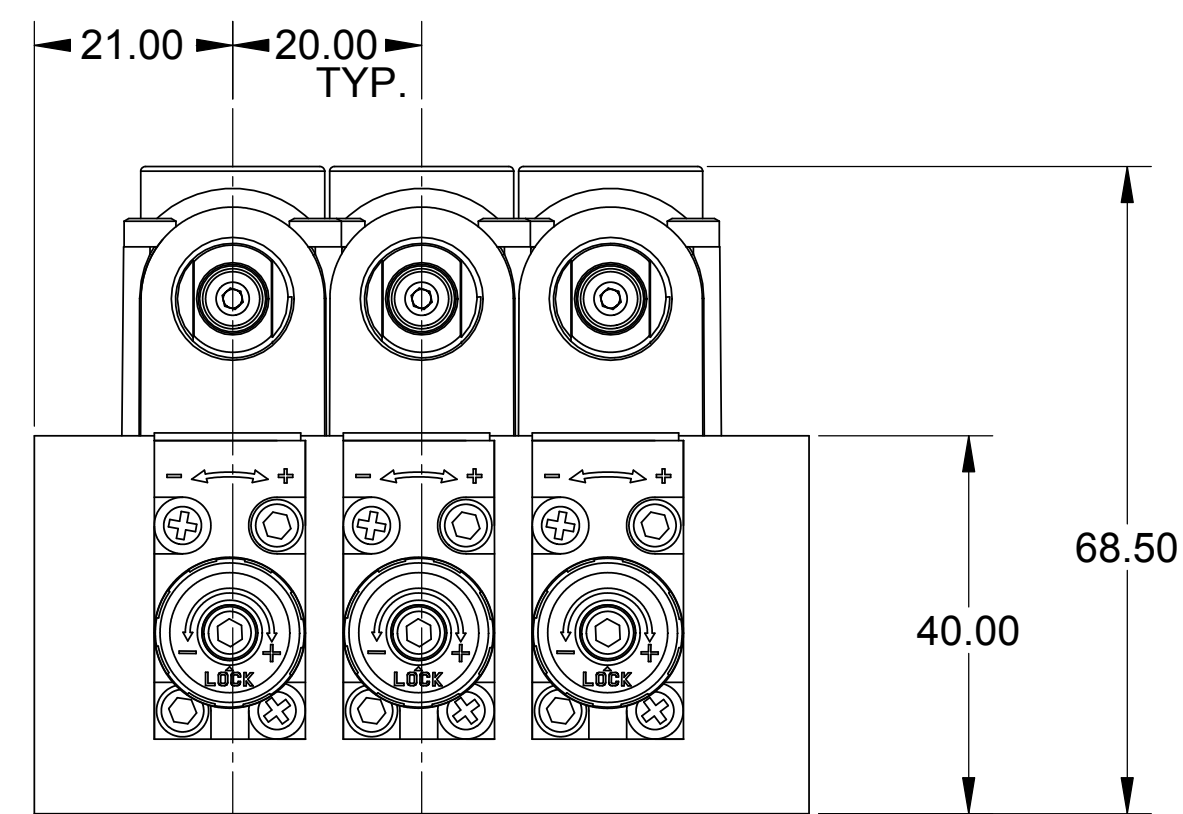
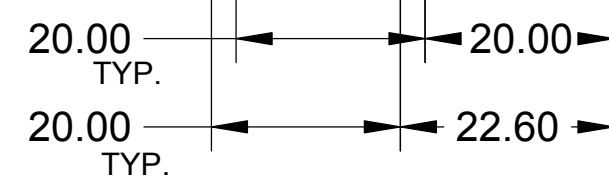
1" - 11 1/2 N.P.S.M. TAP
8.5 FULL THREAD DEPTH
TYP. BOTH ENDS

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

Ø 5.25 THRU
TYP. (2)



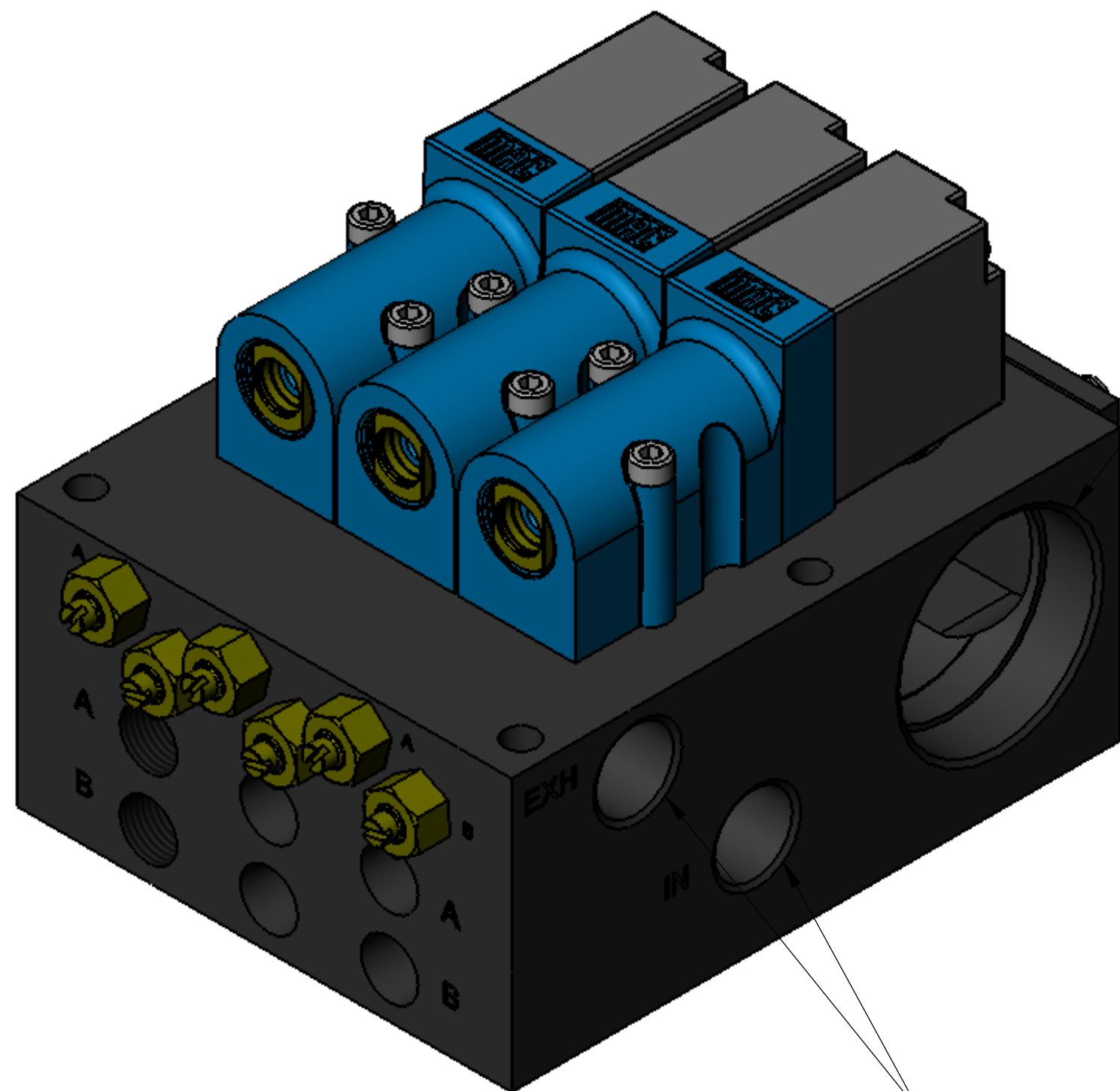
SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION



ECD46LA-00CAA-A0XX

*SHOWN WITH PR46A-0BAA

*SHOWN W/ #1 OPERATOR



1" - 11 1/2 N.P.S.M. TAP
8.5 FULL THREAD DEPTH
TYP. BOTH ENDS

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

5.00
TYP. (2)

82.00

72.00
TYP. (2)

107.25

115.55

48.00
TYP. (2)

6.50
TYP. (2)

Ø 5.25 THRU
TYP. (4)

21.00 20.00
TYP.

SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION

13.00
TYP.

73.50

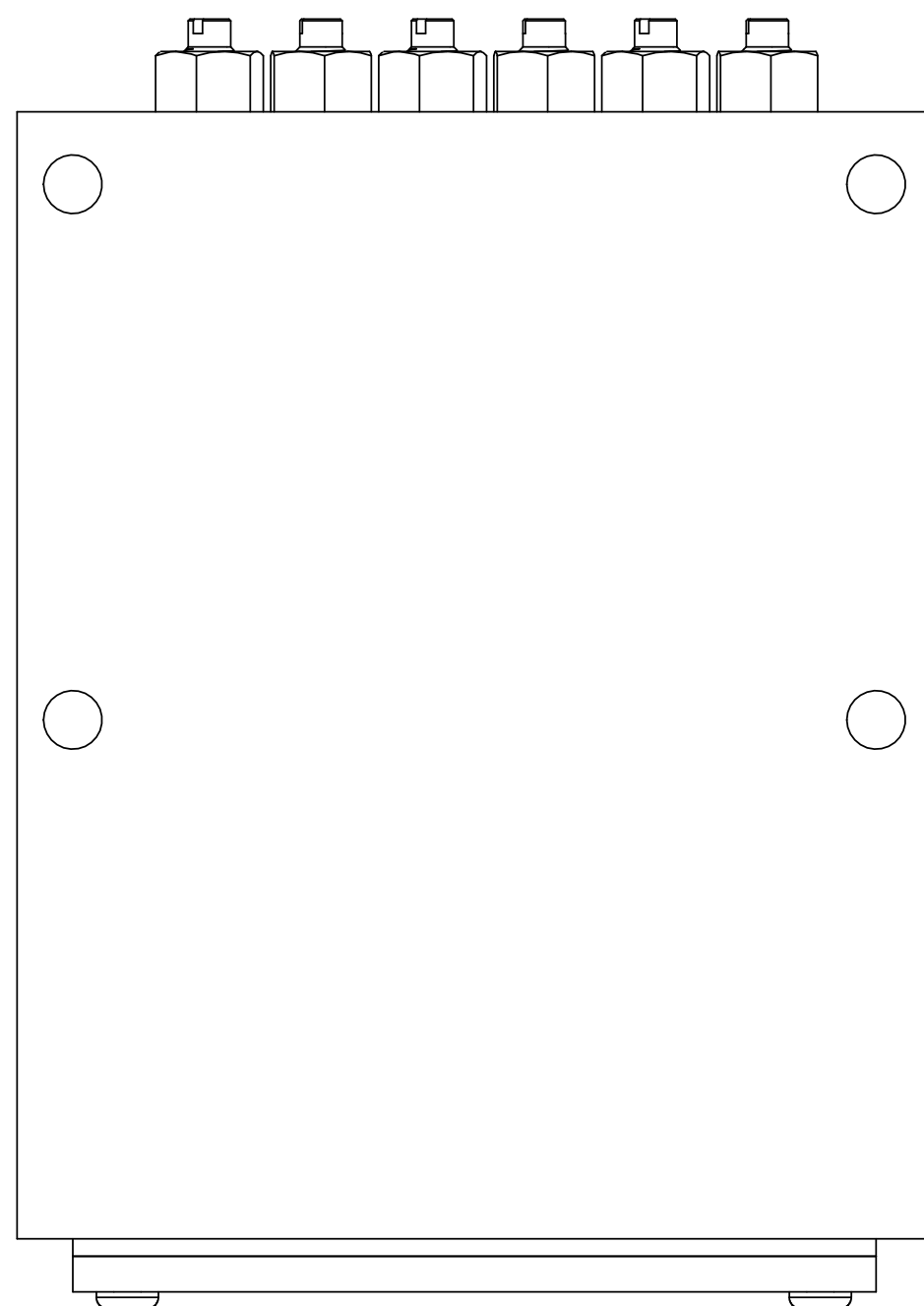
45.00

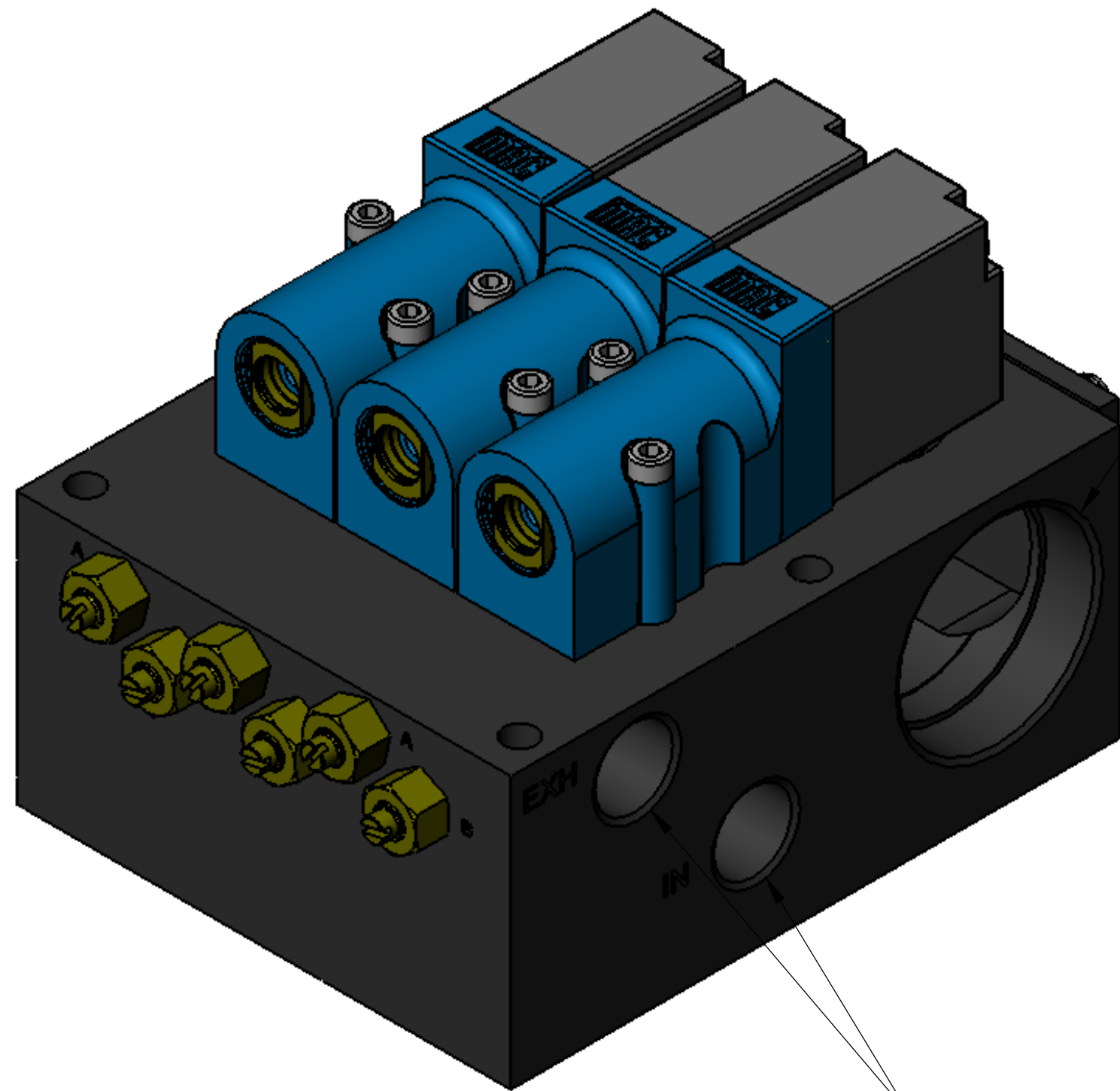
7.50
TYP.

21.76 20.00
TYP.

ECD46LA-00DAA-A0XX

*SHOWN W/ #1 OPERATOR





1" - 11 1/2 N.P.S.M. TAP
8.5 FULL THREAD DEPTH
TYP. BOTH ENDS

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

Ø 5.25 THRU
TYP. (4)

5.00
TYP. (2)

72.00
TYP. (2)

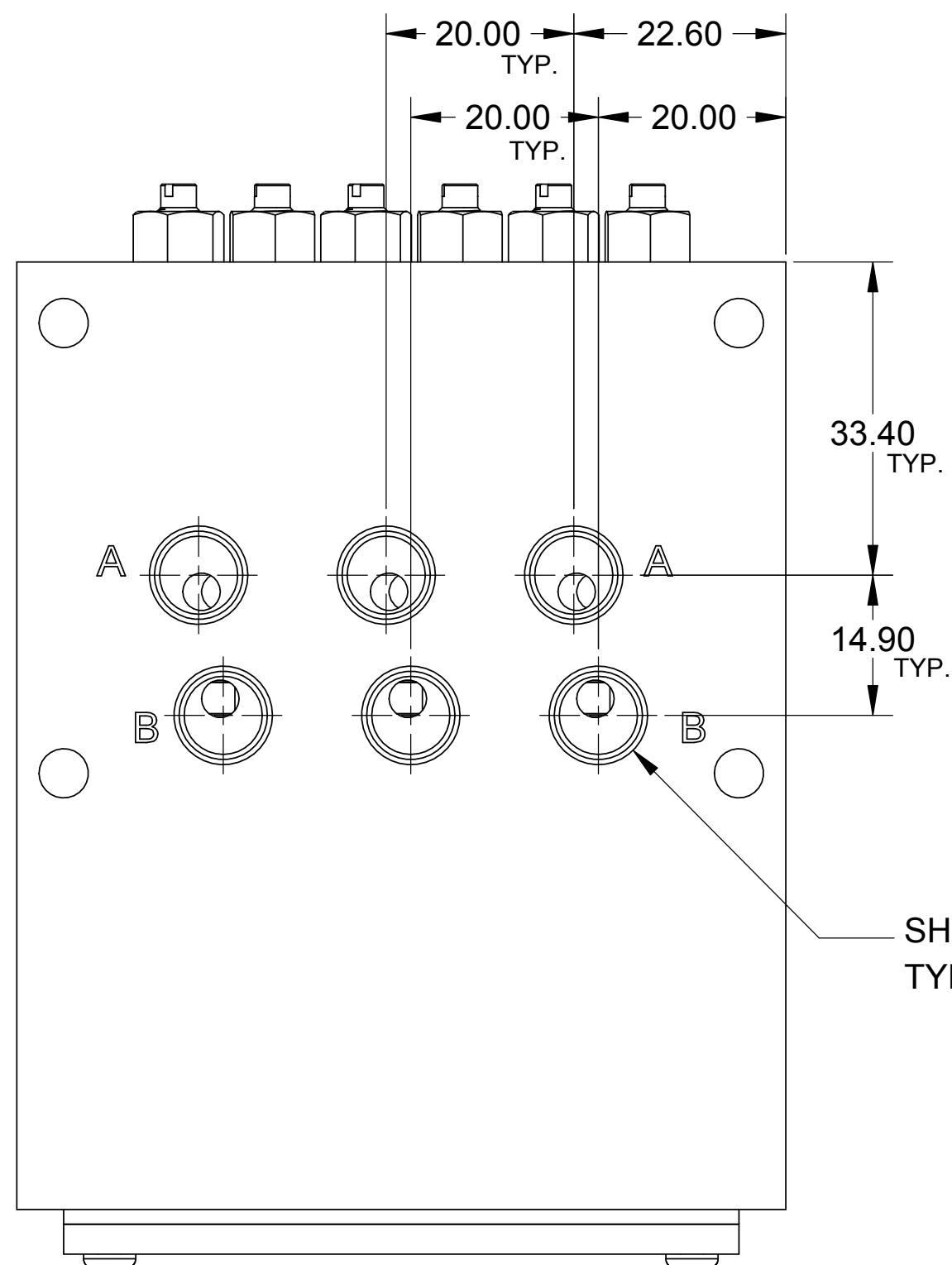
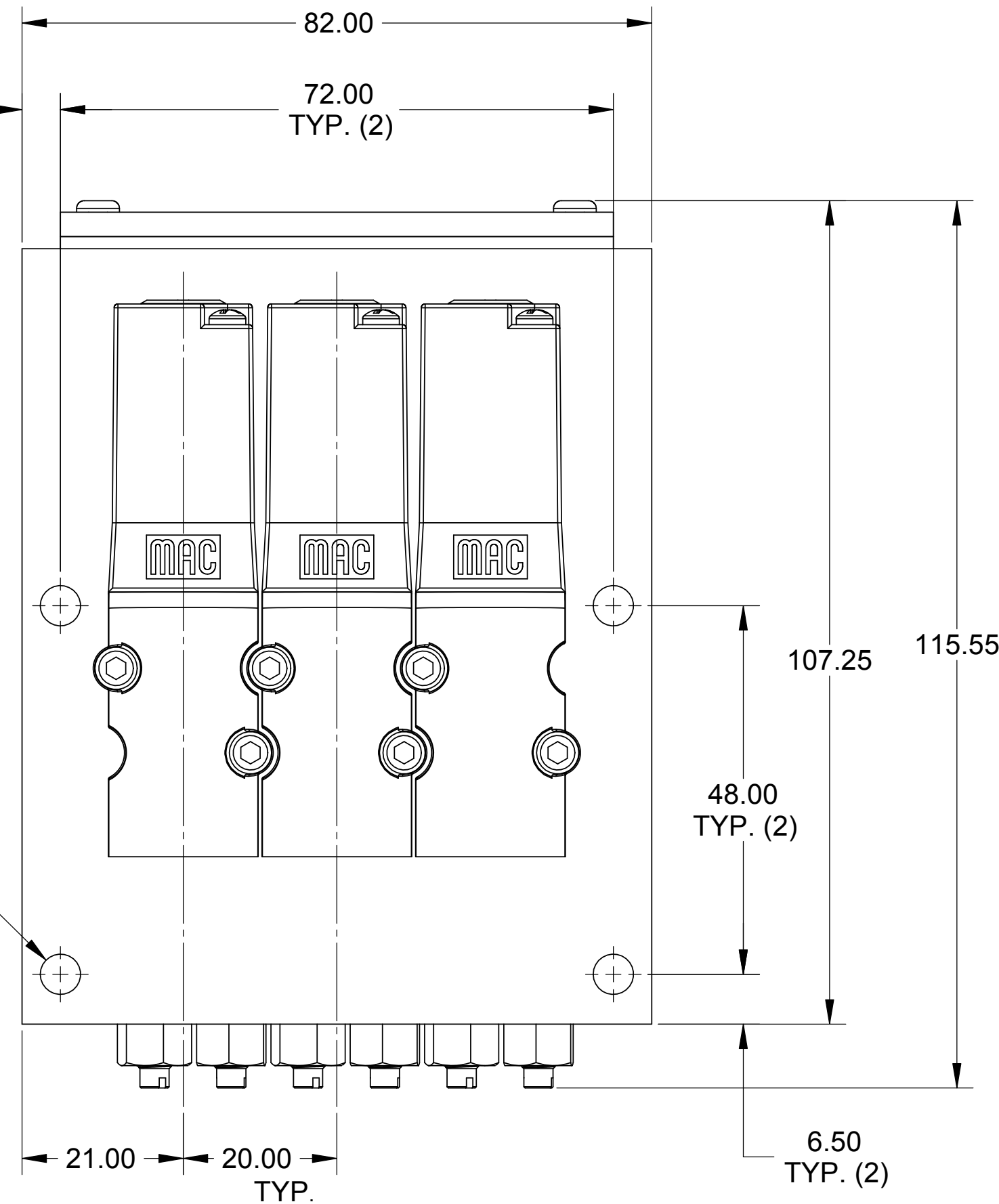
82.00

107.25

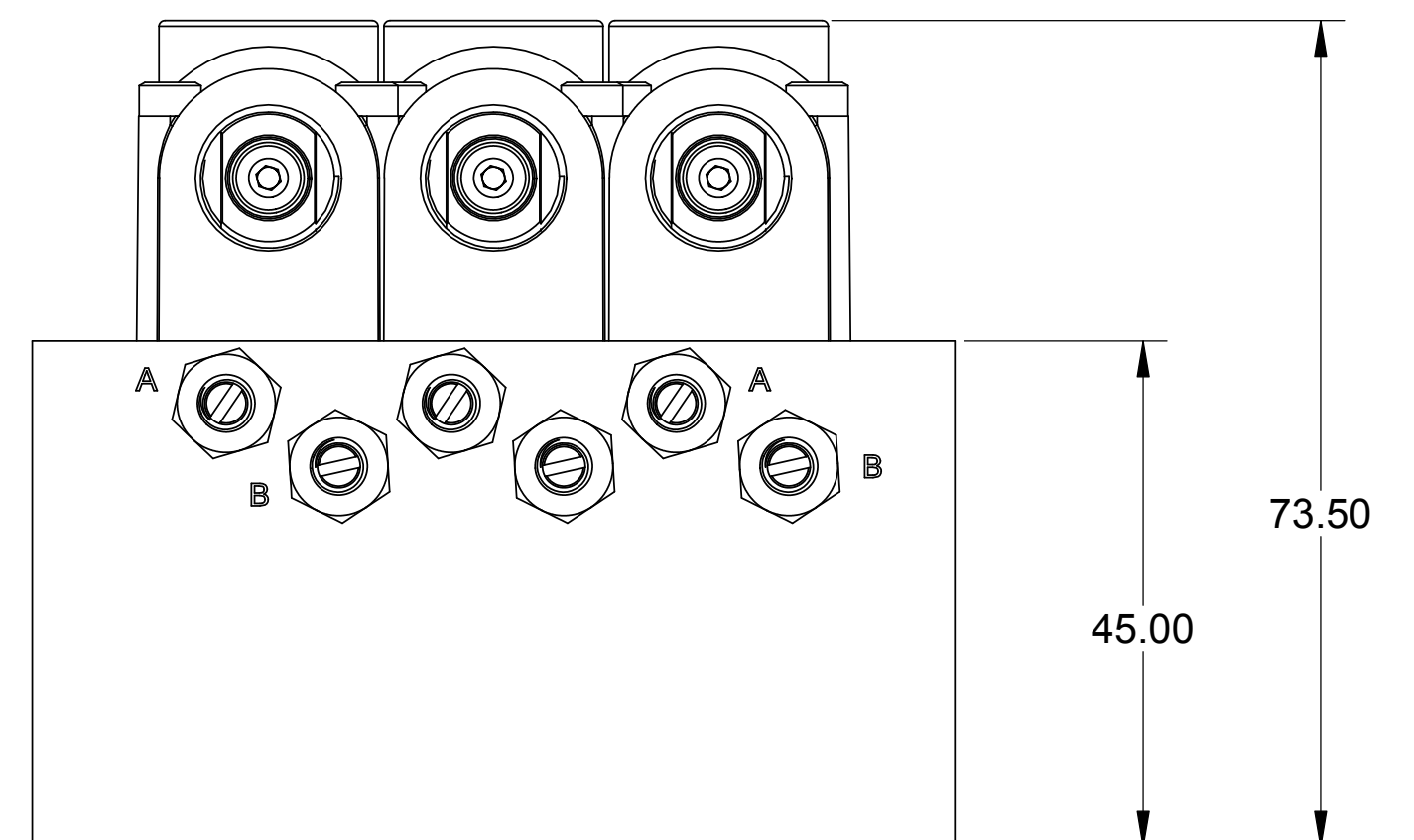
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48.00
TYP. (2)

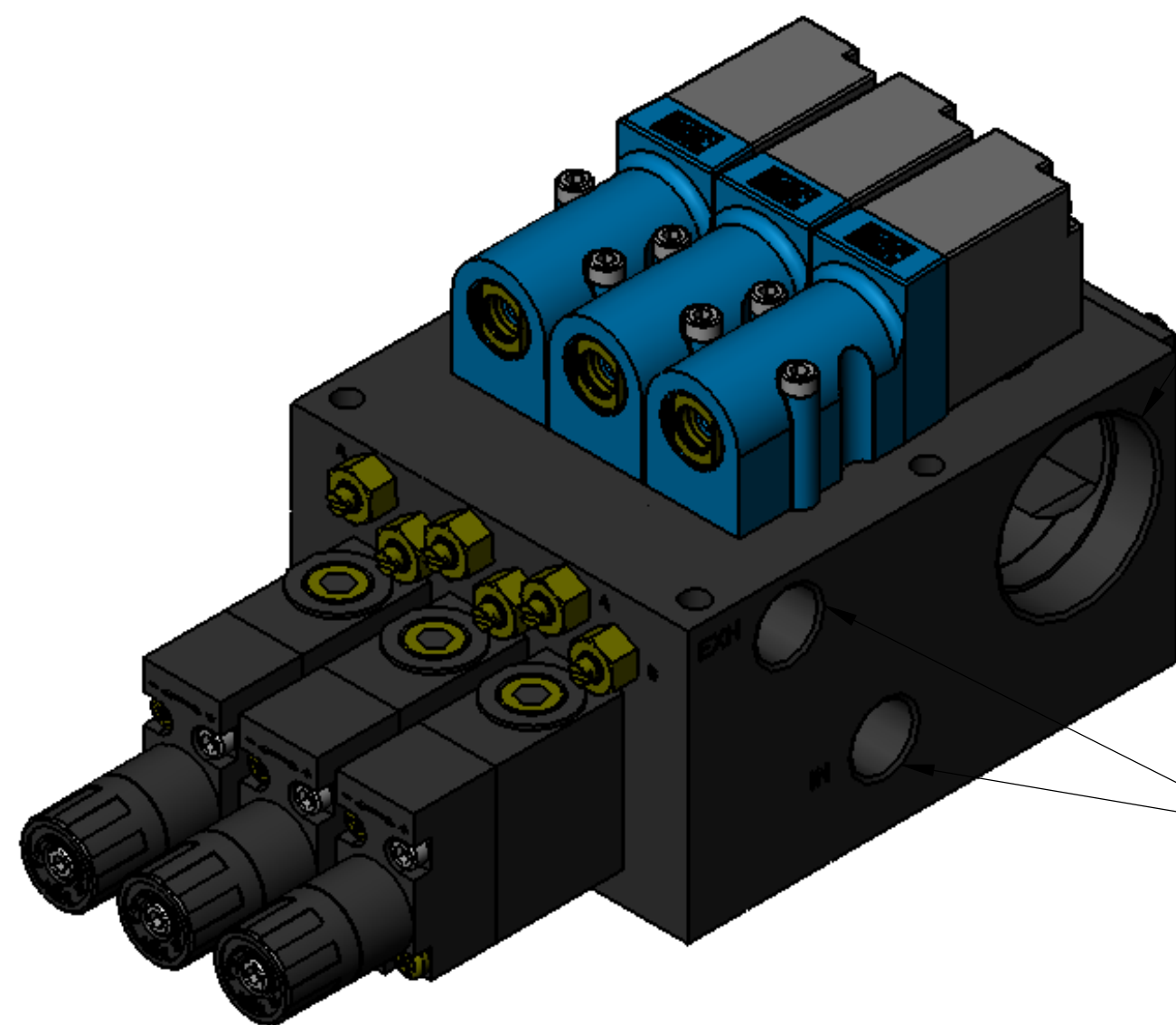
6.50
TYP. (2)



SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION



ECD46LA-00EAA-A0XX
*SHOWN W/ #1 OPERATOR



1" - 11 1/2 N.P.S.M. TAP
8.5 FULL THREAD DEPTH
TYP. BOTH ENDS

1/4" - 18 N.P.T.F. TAP TO GAGE
TYP. (2) BOTH ENDS

Ø 5.25 THRU
TYP. (4)

5.00
TYP. (2)

82.00

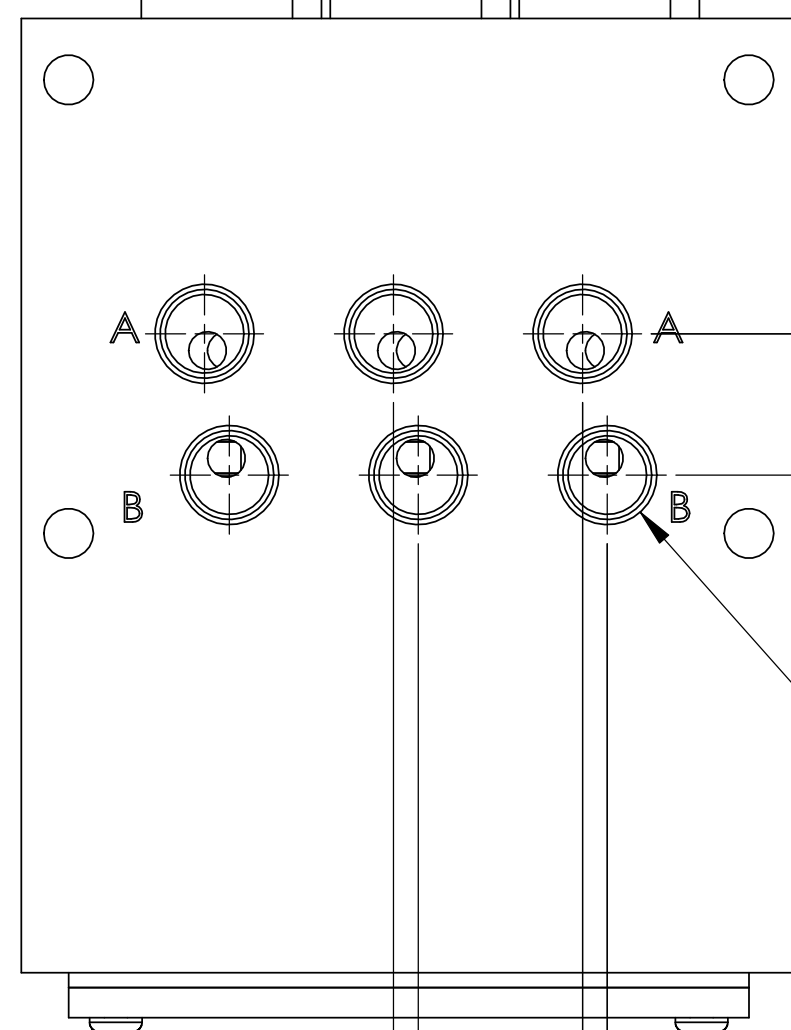
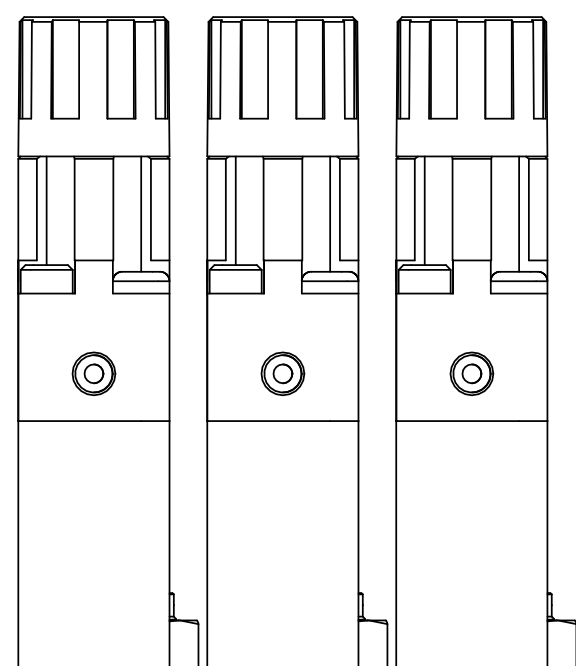
72.00
TYP. (2)

107.25

48.00
TYP. (2)

176.50

6.50
TYP. (2)



33.40
TYP.

14.90
TYP.

SHOWN WITH 1/8" N.P.T.F.
TYP. (2) PER STATION

20.00
TYP.

20.00
TYP.

20.00

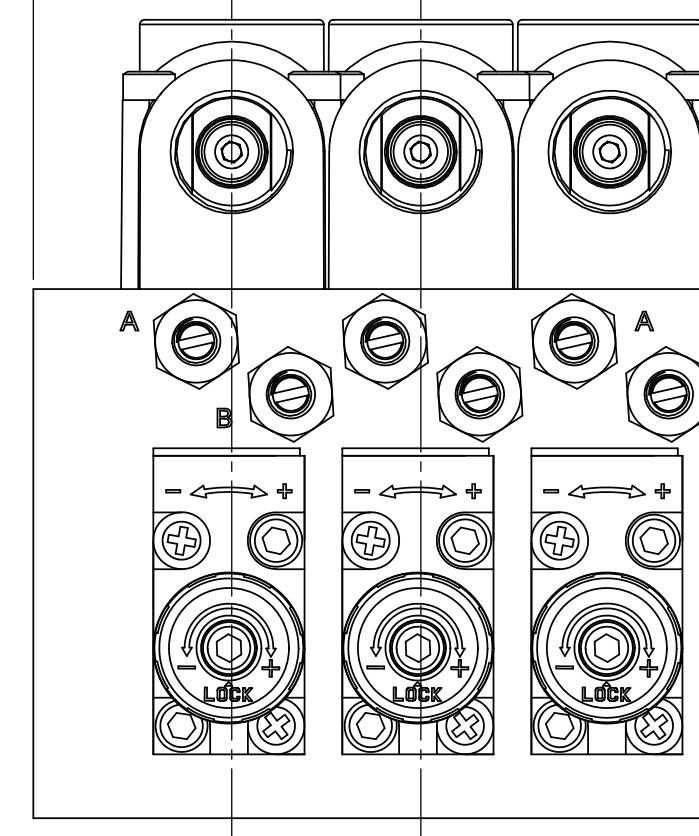
22.60

ECD46LA-00FAA-A0XX

*SHOWN WITH PR46A-0BAA

*SHOWN W/ #1 OPERATOR

21.00 20.00
TYP.



84.50

56.00

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