

Header Bars

General Specifications:

Header Bars shall be a 3,000 PSI High-Pressure modular assembly. All header bars and pigtails shall be cleaned for oxygen.

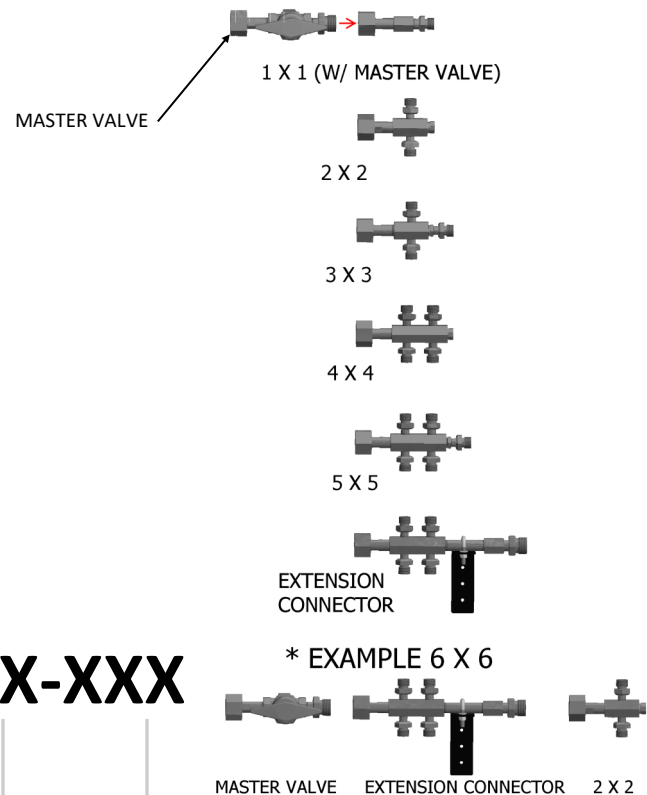
Each Header Bar shall be equipped with a master valve to be placed on the left and right bank, outside the Manifold cabinet to shut off the gas in emergency situations. Each inlet port shall be equipped with a gas specific check valve to permit changing of cylinders without gas leakage.

Flexible Stainless Steel pigtails will be provided for each cylinder gas connection except for Oxygen & Helium.

Rigid Copper pigtails will only be provided for Oxygen & Helium. The standard length for stainless steel and copper pigtails will be 36". The standard length for Cryogenic pigtails will be 72" which are only used with a Liquid Header Bar.

Features:

- CGA gas specific header bar
- Multiple Configurations available; such as Staggered, U, and L shaped layouts.
- Standard 36" pigtails for Stainless Steel and Copper
- Standard 72" pigtails for Cryogenic Pigtails
- Modular Configuration



Model Numbers

M1-HBXX-XX-XXX

"BS" = Staggered c/w Stainless Pigtails
 "BC" = Staggered c/w Copper Pigtails
 "LQ" = Staggered c/w Cryogenic Pigtails

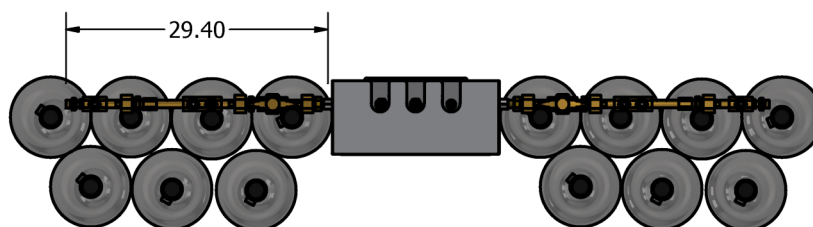
The "XX" defines the number of cylinders:

02 = 2 Cylinder (1 x 1)
 04 = 4 cylinders (2 x 2)
 06 = 6 cylinders (3 x 3)
 08 = 8 Cylinders (4 x 4)
 10 = 10 Cylinders (5 x 5)
 12 = 12 Cylinders (6 x 6)
 14 = 14 Cylinders (7 x 7)
 16 = 16 Cylinders (8 x 8)
 ETC...

The "XXX" Defines the Gases:

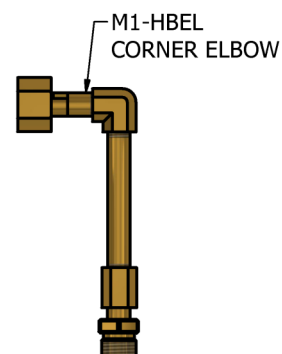
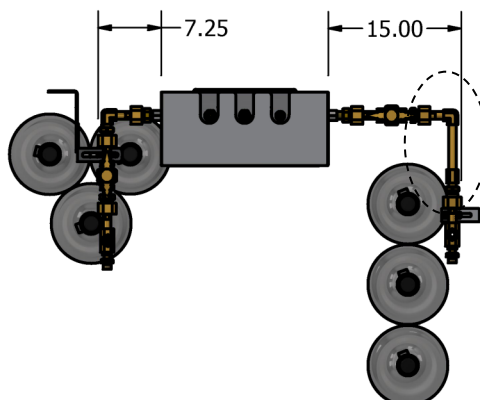
Oxygen	=	OXY
Medical Air	=	AIR
Nitrous Oxide	=	N2O
Nitrogen	=	NIT
Carbon Dioxide	=	CO2
Argon	=	ARG
Helium	=	HEL
MIX	=	MIX
Instrument Air	=	IA

Technical Specifications:



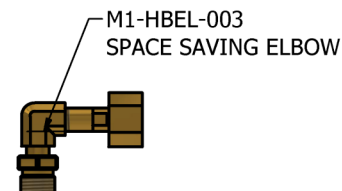
STAGGERED LAYOUT

(Example) M1-HBBS-14-AIR



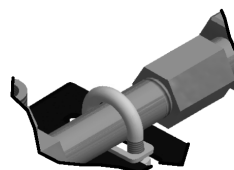
NOTE:

- Dimensions are based on approximate distances
- Wall mounting brackets are standard
- All header bars & pigtails shall be cleaned for oxygen
- Header Bars are designed to allow cylinders to be placed underneath the manifold where applicable



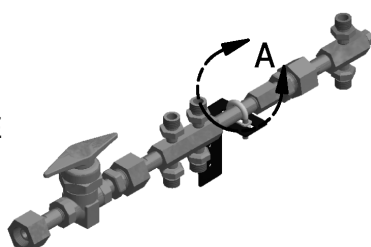
HEADER BAR LENGTHS (ONE SIDE)

# of cylinders per bank	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Header bar length (inches)	12	12	15	15	16	26	27	27	29	38	40	40	52	51



DETAIL A

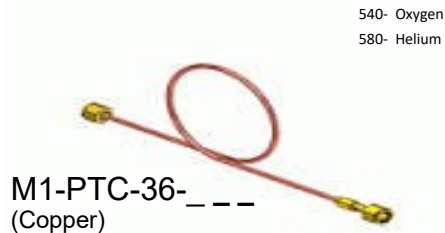
MASTER VALVE



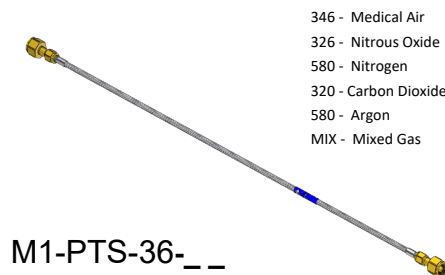
NOTE: All header bar assemblies will include wall mounting brackets as a standard feature.

HEADER BAR ACCESSORIES

PIGTAIL CONNECTIONS



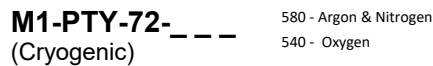
M1-PTC-36- _ _ _
(Copper)



M1-PTS-36- _ _

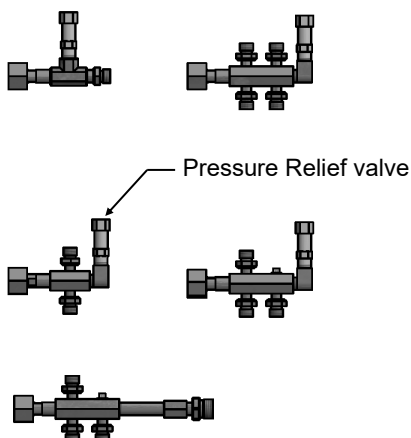
For Lengths other than 36",
contact Patton's Medical

Cryogenic Pigtails



M1-PTY-72- _ _ _
(Cryogenic)

LIQUID HEADER BARS

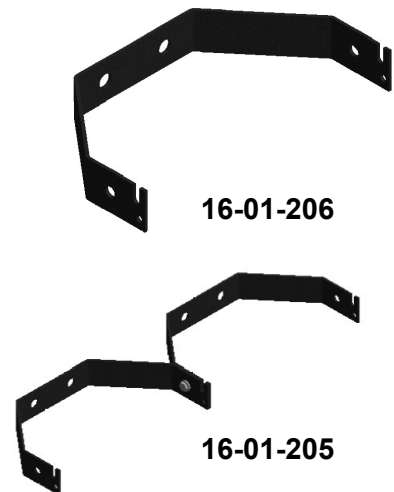


ELBOW CONNECTION

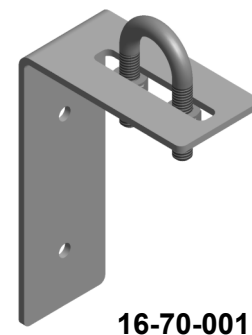


M1-HBEL

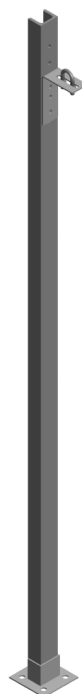
CYLINDER WALL



HEADER BAR WALL MOUNTING BRACKETS



FLOOR STAND MOUNTING BRACKETS



16-70-002 Manifold Floor Stand
16-70-003 Header Bar Floor Stand