



Pressure Manifolds For Chlorine or Sulfur Dioxide

Pressure manifolds allow chemical to be drawn from one or more 150 lbs. cylinders or ton containers. A pressure manifold most commonly delivers gas to one or more vacuum regulators and disallows liquid chemical from reaching the vacuum regulator, but can also be designed and used for liquid chemical delivery in systems using an evaporator.

Pressure Manifolds for 150 lbs. Cylinders

Hydro Instruments offers two different types of pressure manifolds for 150 lbs. cylinders; horizontal and vertical.

Horizontal manifolds offer the benefit of a header valve for each connection, allowing each connection to be isolated. The ability to isolate each connection provides greater freedom when changing out accessories such as flex connectors and isolation valves. Horizontal manifolds are also great for expandability—header valves can be closed until they're needed.

Vertical manifolds have the benefit of a smaller footprint and are a great economical option.

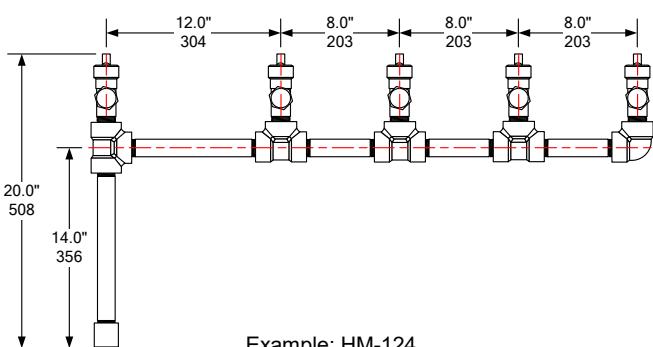
Ordering Information

HORIZONTAL MANIFOLDS

Prefix No.	Description
HM-121...	One 150 lbs. cylinder connection
HM-122...	Two 150 lbs. cylinder connections
HM-123...	Three 150 lbs. cylinder connections
HM-124...	Four 150 lbs. cylinder connections
HM-125...	Five 150 lbs. cylinder connections

Horizontal manifolds are 3/4" seamless carbon steel and include:

- One header valve for vacuum regulator mounting
- One header valve per connection
- Drip-leg w/ 25W heater
- One flexible connector per connection
- One isolation valve assembly per connection
- Wall mounting hardware



Example: HM-124

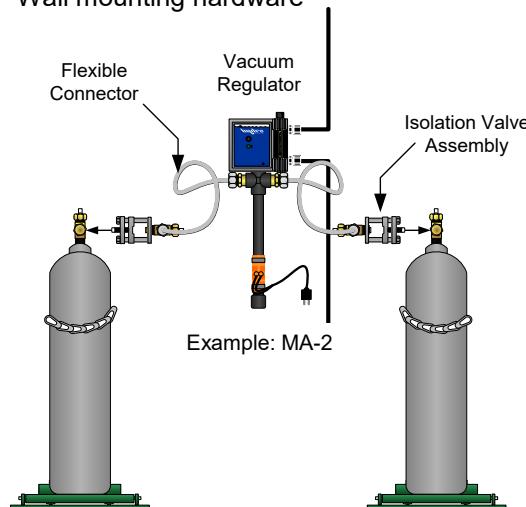
VERTICAL MANIFOLDS

Prefix No.	Description
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MA-1...	One 150 lbs. cylinder connection
MA-2...	Two 150 lbs. cylinder connections
MA-3...	Three 150 lbs. cylinder connections
MA-4...	Four 150 lbs. cylinder connections

Vertical manifolds are 3/4" seamless carbon steel and include:

- One header valve for vacuum regulator mounting
- One CGA#660 inlet for each connection
- Drip-leg w/ 25W heater
- One flexible connector per connection
- One isolation valve assembly per connection
- Wall mounting hardware



Example: MA-2



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Bulletin Pressure Manifolds Rev. 4/13/2023

Pressure Manifolds for Ton Containers

Ton container pressure manifolds are a horizontal manifold that offers the benefit of a header valve for each connection, allowing each connection to be isolated. The ability to isolate each connection provides greater freedom when changing out accessories such as flex connectors and isolation valves. Ton container manifolds offer greater spacing between header valves to accommodate the larger physical size of the ton container.

Hydro Instruments offers two different types of pressure manifolds for ton containers; gas withdrawal and liquid withdrawal.

Manifolds for gas withdrawal have one or more large drip-legs to catch liquid chemical.

Manifolds for liquid withdrawal are constructed of larger 1" diameter piping and used to carry liquid chemical to an evaporator.

Ordering Information

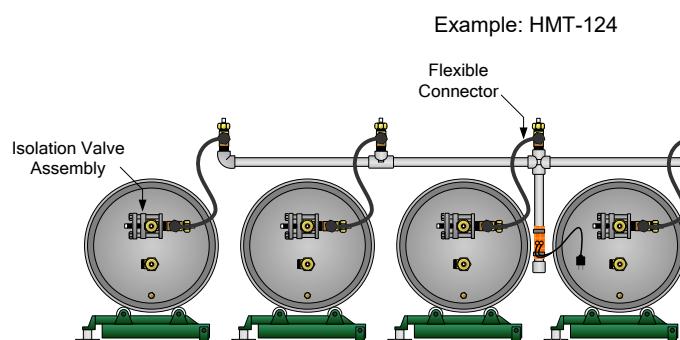
TON CONTAINER GAS MANIFOLDS

Prefix No.	Description
HMT-121...	One ton container connection
HMT-122...	Two ton container connections
HMT-123...	Three ton container connections
HMT-124...	Four ton container connections
HMT-125...	Five ton container connections

Ton container gas manifolds are 3/4" seamless carbon steel and include:

- One header valve per connection
- One or more drip-leg w/ 25W heater
- One flexible connector per connection
- One isolation valve assembly per connection
- Wall mounting hardware

NOTE: These manifolds may be provided in sections that need assembled on site.



TON CONTAINER LIQUID MANIFOLDS

Prefix No.	Description
HML-121...	One ton container connection
HML-122...	Two ton container connections
HML-123...	Three ton container connections
HML-124...	Four ton container connections
HML-125...	Five ton container connections

Ton container liquid manifolds are 1" seamless carbon steel and include:

- One header valve per connection
- One flexible connector per connection
- One isolation valve assembly per connection

NOTE: These manifolds may be provided in sections that need assembled on site.

