

Simplex Medical Gas Reserve Manifold



OVERVIEW

Simplex Manifolds have one header and no reserve bank. All cylinders empty at the same time and are changed out together. This is for use with any Medical Series Manifold to provide further redundancy with a high-pressure emergency reserve.

FEATURES

- 3000 psi maximum inlet
- Designed for high-pressure only
- Meets the NFPA 99 requirement
When using low-pressure cylinders as a primary supply
- Pressure Switch
Adjustable range 100-1500 psi

APPLICATIONS

Safety

NFPA 99 required
Required when using low pressure cylinders as the primary or hybrid configurations with medical series

Emergency Gas Supply

Shall be at least 3 cylinders or a one day supply, whichever is larger

High-Pressure Back-up

Bulk tanks being used as primary would use a Simplex as the supply reserve

Delivery Pressure

Models up to 200 psig

MATERIALS

Regulator

Brass bar stock

Filter

Sintered bronze inlet filter

Shutoff Valves

Forged brass

Header

Silver brazed brass & tested to minimum 4500 psi

SYSTEM INCLUDES

Header

Including label, cleaned and capped

Flexible stainless steel pigtails

CGA check valve connections at header inlet

Pipeline outlet assembly

Includes pipeline relief valve

Pressure Switch

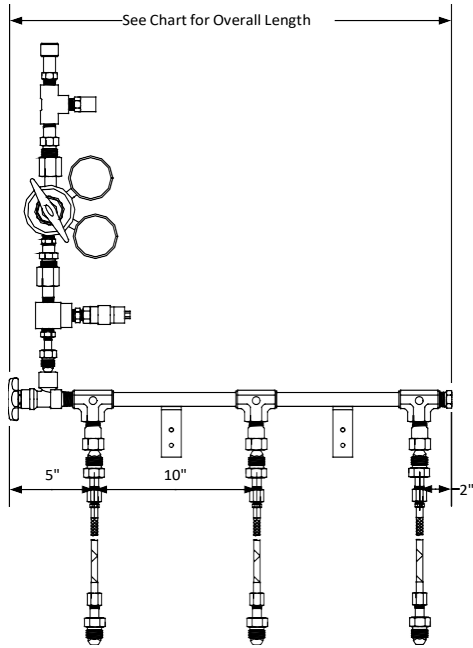
Adjustable range 100-1500 psi

Shutoff valve

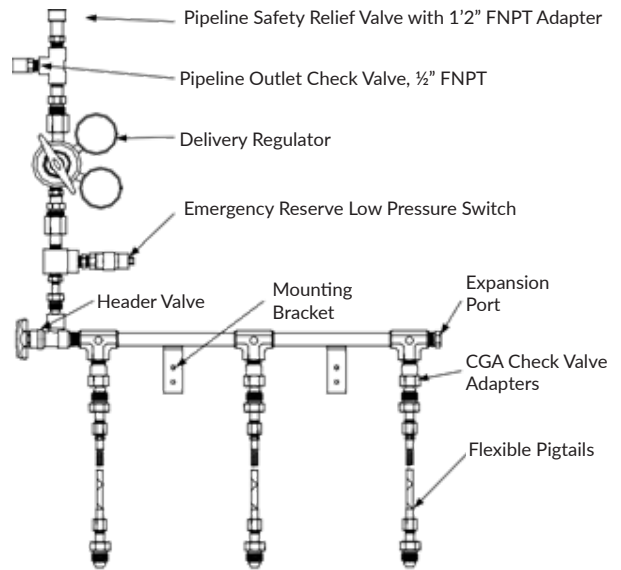
Mounting brackets

Cylinder holding bar and chain

MANIFOLD DIMENSIONS



MANIFOLD COMPONENTS



MANIFOLD ORDERING

Cylinders	Nitrogen	Nitrous Oxide	Carbon Dioxide	Overall Length
3	263955-5-03	263955-3-03	263955-7-03	2' 3"
4	263955-5-04	263955-3-04	263955-7-04	3' 1"
5	263955-5-05	263955-3-05	263955-7-05	3' 11"
6	263955-5-06	263955-3-06	263955-7-06	4' 9"
7	263955-5-07	263955-3-07	263955-7-07	5' 7"
8	263955-5-08	263955-3-08	263955-7-08	6' 5"
9	263955-5-09	263955-3-09	263955-7-09	7' 3"
10	263955-5-10	263955-3-10	263955-7-10	8' 1"
psi	200	100	100	* Recommended heater for applications requiring flow rates of more than 50 CFH
CFH without Heater	2500	50*	50*	
CFH with Heater	N/A	50p/cyl	50p/cyl	

ACCESSORIES

263431
Optional heater for
CO₂ / N₂O



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