Dual Manifold

Applications

The Victor Dual manifold system is designed for those in need of basic manifolding.This manifold can provide two cylinder service for applications such as service stations, maintenance departments and other situations requiring simple manifolding. These are non-expandable systems with a maximum of two cylinders in service at one time

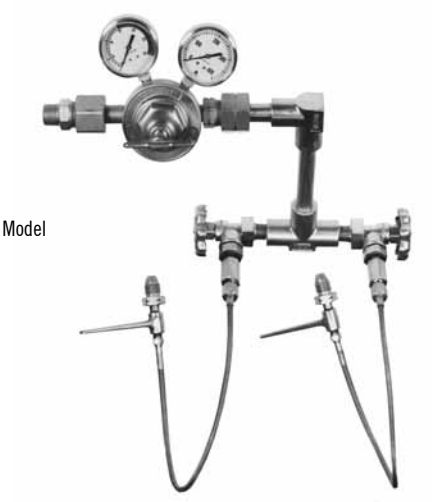
Design and Construction

- Open Style Manifold
- Choice of Regulators - See page 31
- Individual Station Shut-off Valves
- 3/4" NPT(F) Outlet
- Headers (7/8" brass pipe with bar stock tees)
- Brazed construction for maximum leak prevention
- Pigtails (check valves are standard)
  - 24 inch rigid for Hydrogen, Helium & N_2O
  - 24 inch flexible for all other gases.
  - Acetylene models equipped w/ dry flash arrestors.
- Wall mount only
- 200 # Relief Valve to protect downstream piping (except fuel gas)

Performance Specifications

- Maximum inlet: 3000 PSIG
- Maximum Temperature Range: 140°F
- Minimum Temperature Range: 0° F

** Dimensional data see page 38*



Basic Dual Model

Simplex Manifold - SPLXR & SPLXL

Applications

The Victor Simplex manifold system is designed to provide a single source of supply from one cylinder bank. Although these manifolds can be used as a primary source of gas, the typical application finds this model as a high pressure back-up system for liquid or bulk tank systems in industry and medical environments.

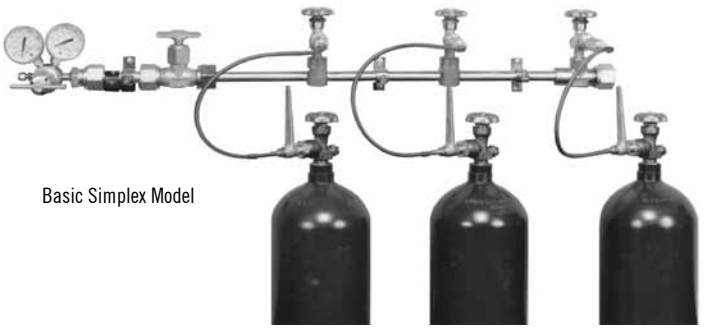
Design and Construction

- Open Style manifold
- Choice of Regulators - See page 31
- Master Shut-off Valve
- Individual Station Shut-off valves
- 3/4" NPT(F) Outlet
- Headers (7/8" Brass Pipe with Bar Stock Tees)
  - 10 inch centers for Oxygen, Inert Gases & Hydrogen
  - 13 inch centers for Acetylene & Fuel Gases
- Brazed construction for maximum leak prevention
- End capped to accommodate future expansion needs
- Pigtails (check valves are standard)
  - 24 inch rigid for Hydrogen, Helium, & N2O
  - 24 inch flexible for all other gases.
  - Acetylene models equipped with dry flash arrestors.
- 200 # Relief Valve to protect piping (except fuel gas)
- Right & left hand inlets available
- Wall or stand mount available
- Acetylene and propane systems with two or more stations are shipped with a hydraulic flash arrestor-300 SCFH

Performance Specifications

- Maximum inlet: 3000 PSIG
- Maximum Temperature Range: 140°F
- Minimum Temperature Range: 0°F

** Dimensional data see page 38*



Basic Simplex Model

Single Manifold - SSIN

Applications

The Victor Single manifold system is designed to provide a dual source of supply via a primary and reserve bank of cylinders. This manifold can provide effective service to any application in which down-time is not a problem. Once the primary bank has been depleted the reserve bank can be manually activated to return the system to working status.

Design and Construction

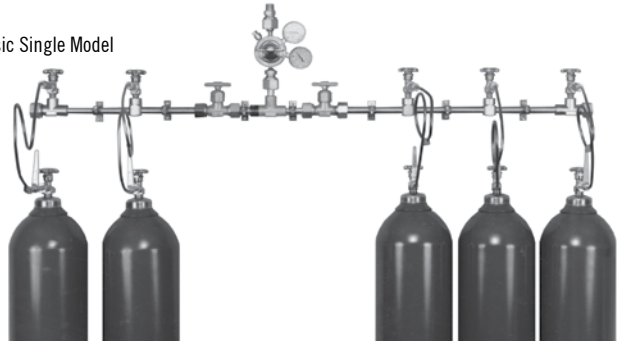
- Open Style Manifold
- Choice of regulators - See page 31
- Master Shut-off Valves
- Individual Station Shut-off valves
- 3/4" NPT(M) Outlet
- Headers (7/8" brass pipe with bar stock tees)
  - 10 inch centers for Oxygen, Inert Gases & Hydrogen
  - 13 inch centers for Acetylene & Fuel Gases
- Brazed construction for maximum leak prevention
- End capped to accommodate future expansion needs
- Pigtails (check valves are standard)
  - 24 inch rigid for Hydrogen, Helium, & N_2O
  - 24 inch flexible for all other gases.
  - Acetylene models equipped with dry flash arrestors.
- Acetylene and propane systems with two or more stations, are shipped with a hydraulic flash arrestor - 300 SCFH
- Pressure switch port included,1/4" NPT(F)
- Wall or stand mount available
- 200 # Relief Valve to protect piping (except fuel gas)

Performance Specifications

- Maximum inlet: 3000 PSIG
- Maximum Temperature Range: 140°F
- Minimum Temperature Range: 0°F

** Dimensional data see page 38*

Basic Single Model



Semi Automatic Manifold - SAM

Applications

The Victor Semi-Automatic manifold system is designed to provide an uninterrupted supply to any application requiring no down-time. As the primary supply is depleted a reserve supply is waiting to automatically begin service. Through pressure differential the switchover takes place without interruption of service, once depleted the primary bank can be replaced and becomes the new reserve bank.

Design and Construction

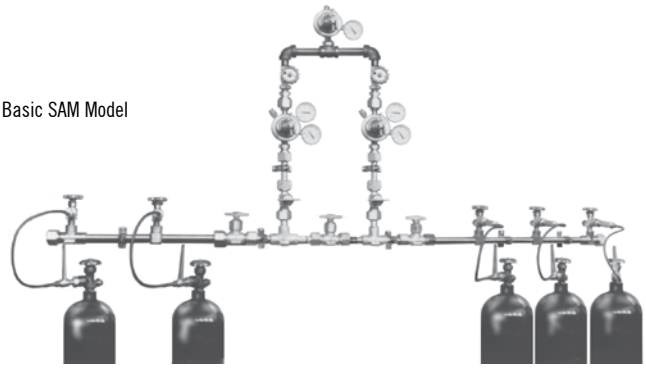
- Open Style Manifold
- Choice of regulators - See page 31
- Adjustable Line Regulator (except for fuel gas)
- Master Shut-off Valves
- Individual Station Shut-off Valves
- 3/4" NPT(M) Outlet
- Headers (7/8" brass pipe with bar stock tees)
  - 10 inch centers for Oxygen, Inert Gases & Hydrogen
  - 13 inch centers for Acetylene & Fuel Gases
- Brazed construction for maximum leak prevention
- Low Pressure Side - Black Pipe
- End capped to accommodate future expansion needs
- Pigtails (check valves are standard)
  - 24 inch rigid for Hydrogen, Helium, & N2O
  - 24 inch flexible for all other gases.
  - Acetylene models equipped with dry flash arrestors.
- Acetylene and propane systems with two or more stations, are shipped with a hydraulic flash arrestor - 300 SCFH
- Pressure switch port included, 1/4" NPT(F)
- Wall or stand mount available
- 200 # Relief Valve to protect piping (except fuel gas)

Performance Specifications

- Maximum inlet: 3000 PSIG
- Minimum pressure differential between primary & reserve bank is +/- 20 psig (+/- 5 PSIG Acetylene)
- Maximum Temperature Range: 140°F
- Minimum Temperature Range: 0°F

** Dimensional data see page 38*

Basic SAM Model



International Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
www.victorequip.com

Liquid Manifold - LIQ

Applications

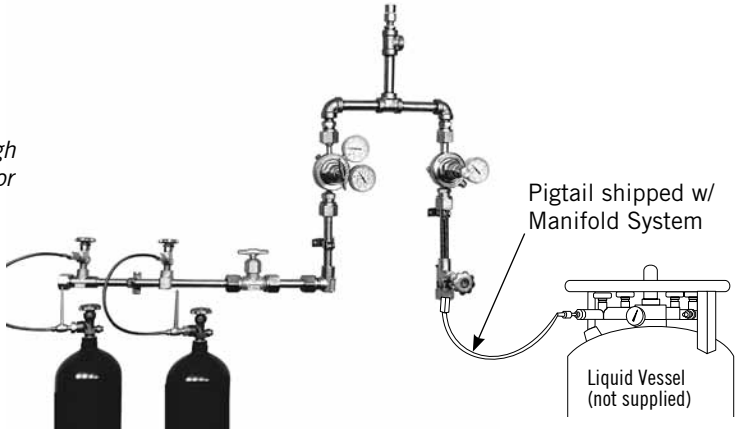
Designed for applications with "low flow rates", this liquid/high pressure back-up manifold prevents excessive product loss. For applications with sufficient volume for liquid usage.

Design and Construction

- Open style manifold
- LC700 series regulator L.P. side - See page 31
- SR450 series backup regulator H.P. side
- Adjustable Line Regulator downstream
- 3/4"NPT(F) Outlet
- High Flow Relief Valves
- Master shut off valve (H.P.)
- Individual station shut-off valves
- Headers (H.P.) (7/8" brass pipe with bar stock tees)
  - 10 inch centers for O2 & other Inerts
- Brazed Construction for maximum leak protection
- Pressure switch port included on H.P. side, 1/4" NPT(F)
- End capped to accommodate future expansion needs
- 200# relief valve to protect piping

Performance Specifications

- Maximum Inlet:
  - 400 PSIG low pressure bank
  - 3000 PSIG high pressure bank
- Maximum Delivery: 200 PSIG
- Minimum Pressure Differential ±20 PSIG
- Maximum Temperature: 140°F
- Minimum Temperature: 0°F



Model Shown: LIQ-IRW-2LW-580-36FTCV

Liquid is always on the right.

DIMENSIONS - OVERALL LENGTH

# OF CYLINDERS	INCHES	CENTIMETERS
Control Only	30.0	76.2
3 X 1	67.4	171.2
6 X 2	97.4	247.4
8 X 3	117.4	298.2

MODEL NO.	GAS SERVICE	PSIG DELIVERY RANGE
LIQ	540 Oxygen 580 Inert 320 CO_2	10-200

Portable Bulk Liquid Containers

What you need to know?

Vaporization Rate*: Typically 250 to 350 SCFH
Outlet Pressure: Typically 125 PSIG 300 PSIG Models are also available
Evaporization Rate: Up to 3% per day will vent to atmosphere
Temperature: Vaporizing gas is very cold. Approximately -300° Fahrenheit.

Warning:

Multiple liquid cylinder manifolds MUST have the pressure building regulator of each vessel set at the same pressure to insure proper cylinder withdrawal.