



WESTERN INNOVATOR HPSD GAS MANIFOLD



The Western Innovator HPSD Manual Changeover Manifold is designed for applications where the gas purity needs to be maintained. Depending on the application the manifold can flow from both banks or one bank can be kept in reserve. An alarm can be added to signal when your primary bank is nearly depleted.

FEATURES

- Brass barstock body regulator, chrome plated with 316L stainless steel diaphragm insure gas purity.
- Packless diaphragm valves maintain system integrity.
- Manifold Outlet: 1/4" compression fitting.
- Relief Valve Outlets: 1/4" FNPT.
- 24" Flexible stainless steel lined pigtailed with check valves at cylinder end allow easy cylinder hook up and maintain gas purity.
- Enhances safety by consolidating cylinders into a centralized location.
- Available for the following gases: Acetylene, Air, Argon, Carbon Dioxide, Helium, Hydrogen, Argon/Methane, Nitrogen, Nitrous Oxide, Oxygen and Zero Air.
- Options:
 - ▶ Alarm Kit Part #
HPSDFGAK-H (for Hydrogen Manifolds)
HPSDFGAK-A (for Acetylene Manifolds)
 - ▶ FloorStand
- Constructed of brass pipes and tee's, labeled for indicated gas usage.
- Complete wall mounting: brackets included.
- Western will customize to meet your customers special requirements.
- Made in the USA.

SPECIFICATIONS

Brass Fitting and Pipe Materials
UNS C36000
UNS C37700

Pipe Thread Seal: Teflon™

Intermediate Relief Valve
Body: UNS C36000
Seat: Viton (EPDM for CO₂ and N₂O)

Regulator
Body, Nozzle, and Retainer: Brass
Seat: PCTFE™
O-Ring: EPDM
Diaphragm: 316L Stainless Steel

Pigtail Materials
CGA Connections: Brass
Inner Core Material: 316L stainless (annular corrugated)
Check Valve Seat: Viton (EPDM for CO₂ and N₂O)

Inlet Filter: 10 micron Sintered Porous Bronze

Inlet/Outlet Pressure Gauge:
Body: Chrome Plated Brass

Temperature Limits:
▶ 20°-120° F (CO₂ and N₂O)
▶ 0°-120° F (all other gases)

Adjustable Line Regulator:

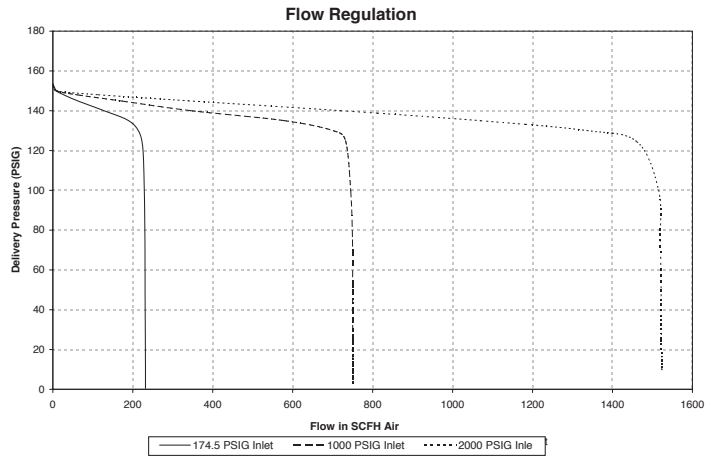
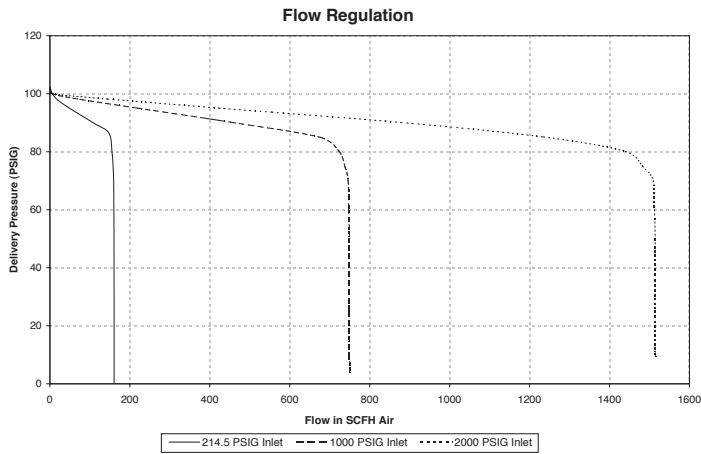
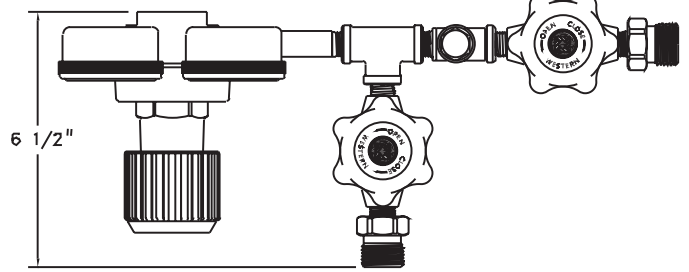
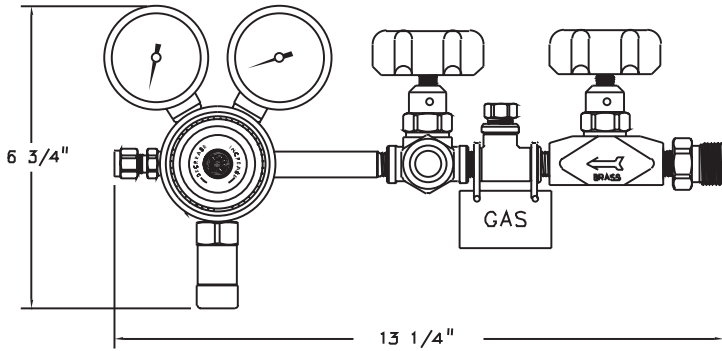
Acetylene 0-15 psig
All Others 20-150 psig

(Higher and Lower pressure ranges available upon request)

Maximum inlet pressure

Acetylene 500 psig
Others 3000 psig

INNOVATION. RELIABILITY. LONGEVITY.
 For over 50 years, Western has been supplying products for the control, storage and transmission of high-pressure gases.



HOW TO ORDER

Specify: Control Type (W) - Service (X) - Number of Cylinders (Y) - Mounting (Z)
Example: HPSD-5-2 = Model HPSD, Helium service for 2 cylinders

CONTROL TYPE (W)	GAS SERVICE (X)	# OF CYLINDERS (Y)	MOUNTING (Z)
HPSD Standard Delivery Pressure Acetylene (0-15psig) All other Gases (20-150psig)	(1) Acetylene (POL) CGA-510	Always (2) for HPSD	Blank=Wall Mount F=Floor Stand
	(1A) Actylene (Commercial) CGA-300		
	(2) Zero Air CGA-346		
	(2A) Zero Air CGA-590		
	(3) Argon CGA-580		
	(4) Carbon Dioxide CGA-320		
	(5) Helium CGA-580		
	(6) Hydrogen CGA-350		
	(6A) Argon/Methane CGA-350		
(7) Nitrogen CGA-580			
(8) Nitrous Oxide CGA-326			
(9) Oxygen CGA-540			