

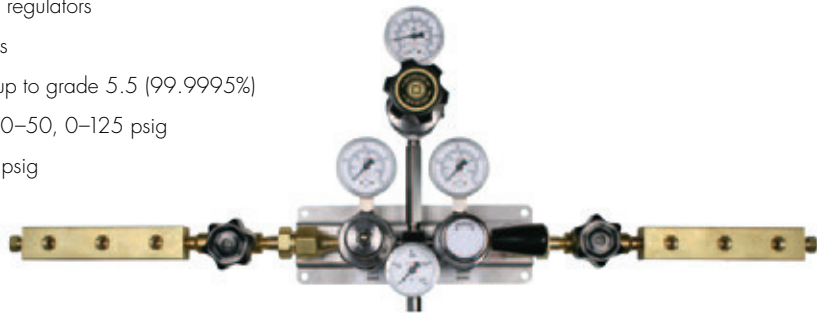
# HBCS

The Western Innovator HBCS automatic manifold is designed for High Purity gas applications where a constant uninterrupted supply of gas is critical while maintaining gas purity. The HBCS may be configured to meet almost any lab application requirements. The compact manifold headers

allow multiple gas cylinders, up to 4 per bank, to supply gas to the manifold. In order to maintain system purity and provide isolation, the headers also include a packless diaphragm valve. All systems include an adjustable outlet regulator with a choice of outlet pressure ranges.

## specifications:

- High Purity Automatic Analog System
- Chrome plated brass bar stock regulators
- 316L Stainless steel diaphragms
- Designed for gas purity levels up to grade 5.5 (99.9995%)
- Outlet Pressure Ranges: 0–15, 0–50, 0–125 psig
- Maximum inlet pressure 3000 psig
- Switchover pressure  
R to L–180 psig  
L to R–160 psig
- PTFE seats and seals
- 10 micron sintered bronze filters



### Manifold Features

- 180 degree lever indicates active cylinder side
- 2" dual scale inlet pressure and outlet pressure gauges
- 1-3/4" intermediate pressure gauge
- External threaded relief valve
- Stainless steel wall mounting panel

### Header Features

- Compact design
- Universal left or right
- Includes a packless diaphragm valve
- Designed to accept up to 4 pigtails
- Wall mounting brackets included
- 1/4" NPT female inlets, 2 plugged
- CGA specific outlet adaptor supplied

### Pigtail Features

- 1/4" Stainless steel inner core
- Stainless steel outer sleeve
- Check valve on inlet
- CGA inlet / 1/4" NPT outlet
- 24" in length
- Pressure rating–3000 psig

## HOW TO ORDER

(1) Select Changeover unit according to desired outlet pressure (2) Select Header Kit according to CGA (gas)*-Ordered Separately (sold as pairs only) (3) Select Pigtails according to CGA (gas)-HPF style-Ordered Separately					
(1) CHANGEOVER		GAS SERVICE		(2) HEADER KIT	(3) PIGTAILS
HBCS-015 (0–15 psig)		(2) Air	CGA-346	HBCSH-2	HBCSP-2
HBCS-050 (0–50 psig)		(2A) Zero Air	CGA-590	HBCSH-2A	HBCSP-2A
HBCS-125 (0–125 psig)		(4) Carbon Dioxide	CGA-320	HBCSH-4	HBCSP-4
		(6) Hydrogen	CGA-350	HBCSH-6	HBCSP-6
		(7) Nitrogen, Argon, Helium	CGA-580	HBCSH-7	HBCSP-7
		(8) Nitrous Oxide	CGA-326	HBCSH-8	HBCSP-8
		(9) Oxygen	CGA-540	HBCSH-9	HBCSP-9

\*No header kit is needed for a standard 1 x 1 configuration

