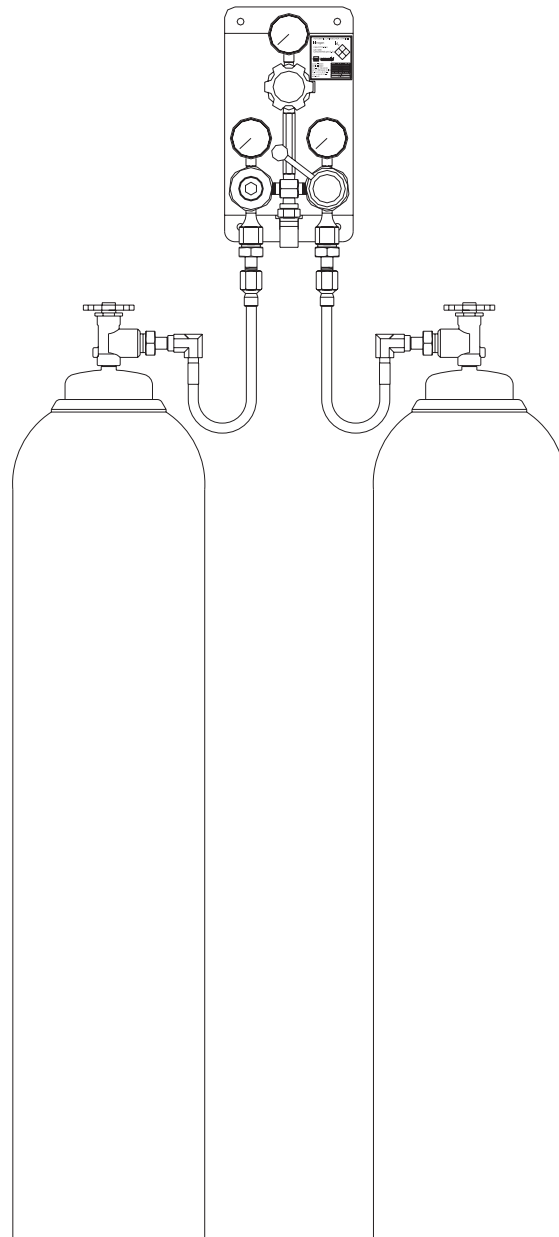




EQUIPMENT CATALOG

*Automatic Changeover Station
For 3000 psig Cylinders*

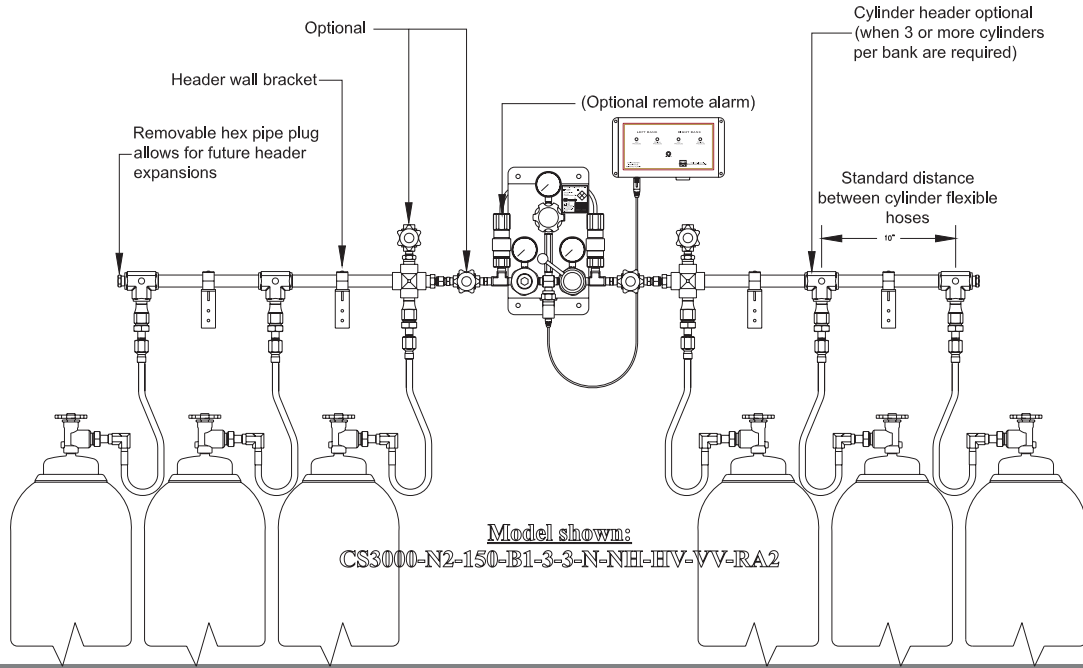


*Helping our customers
to become more effective*



TYPICAL ARRANGEMENT

MODEL SHOWN WITH MULTIPLE-CYLINDER HEADERS



DESCRIPTION

The CS3000 Series Automatic Changeover Stations are designed to provide a continuous supply of high purity gases. The system automatically changes from a depleted bank of cylinders in service to the full reserve bank without an interruption of gas supply. A simple rotation of the primary bank knob resets the unit, once the depleted banks of cylinders has been replaced. The standard outlet regulator maintains a constant line pressure, even during the changeover process. The optional remote alarm box indicates when the pressure of each bank is either normal or low.

STANDARD FEATURES

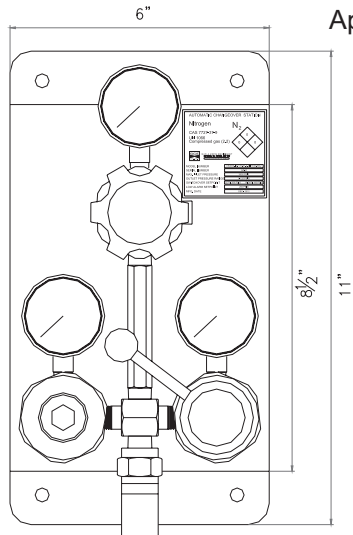
- High Purity** - Equipment components are designed, cleaned, and built to maintain gas purity
- Wide Selection of Regulators and Hoses** - Customized equipment to suit any application.
- Mounting Panel** - Professional look, easy installation
- Integral Check Valve in the Flexible Hoses** - Prevents gas from cascading to the empty cylinders during cylinder changeouts
- Optional Remote Alarm** - Provides audible and visual indication when a bank of cylinders is depleted
- Optional Purge Valve** - Evacuates impurities from the system

HOW TO ORDER - PART NUMBER MATRIX

CS3000							
Series (inlet pressure) Standard Series <input type="checkbox"/> 3000 psi	Fluid <input type="checkbox"/> Air = Air <input type="checkbox"/> Nitrogen = N2 <input type="checkbox"/> Helium = He <input type="checkbox"/> Hydrogen = H2 <input type="checkbox"/> Argon = Ar <input type="checkbox"/> Oxygen = O2 Other: Please Specify	Outlet Pressure Standard Ranges (in psig) <input type="checkbox"/> 0-15 = 15 <input type="checkbox"/> 0-50 = 50 <input type="checkbox"/> 0-125 = 125 <input type="checkbox"/> 0-250 = 250 <input type="checkbox"/> 0-500 = 500 Other: Please Specify	Regulator <input type="checkbox"/> Brass = B1 Regulators <input type="checkbox"/> Stainless = S1 Steel Regulators	Left Bank Right Bank No. of Cylinders (per side)	Flexible Hoses <input type="checkbox"/> Thermoplastic = NH (Nylon) Steel Fittings <input type="checkbox"/> Teflon Core, = TH S/Steel Braid, Brass Fittings <input type="checkbox"/> All Stainless = SH Steel	Options <input type="checkbox"/> Standard Alarm = RA2 <input type="checkbox"/> Hazardous Location Alarm = RA2(EP) <input type="checkbox"/> Vent Valve = VV <input type="checkbox"/> Header Valve = HV	

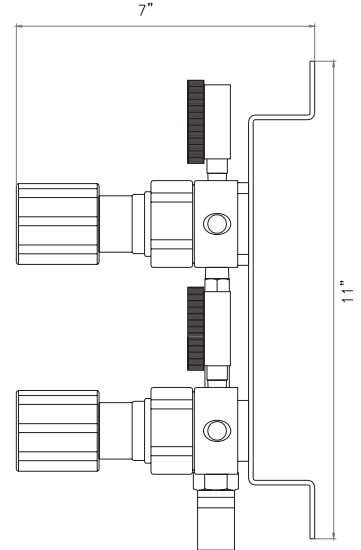
WHEN A STAINLESS STEEL REGULATORS ARE SELECTED, ALL FITTINGS, GAUGES AND PRESSURE SWITCHES COME AUTOMATICALLY IN STAINLESS STEEL

DIMENSIONAL DRAWING

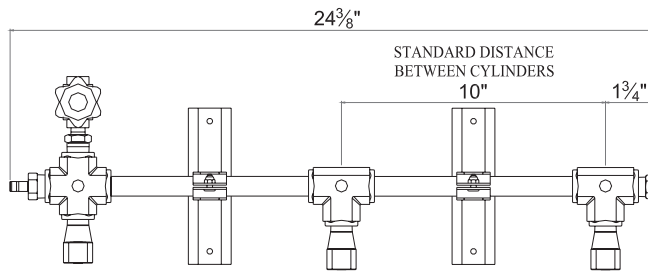


**Basic Model
 Front View**

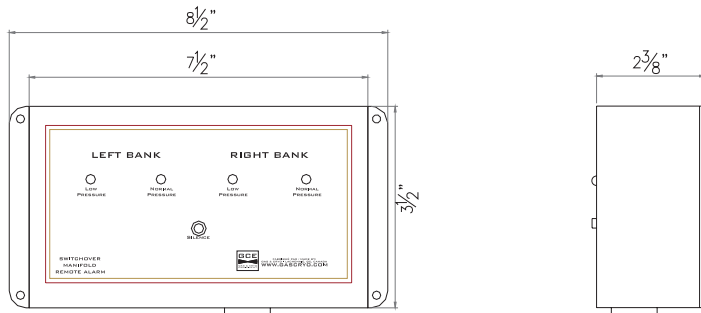
Approximate Dimensions



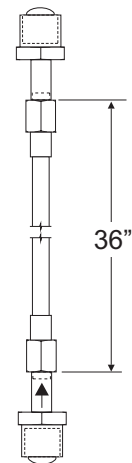
Side View



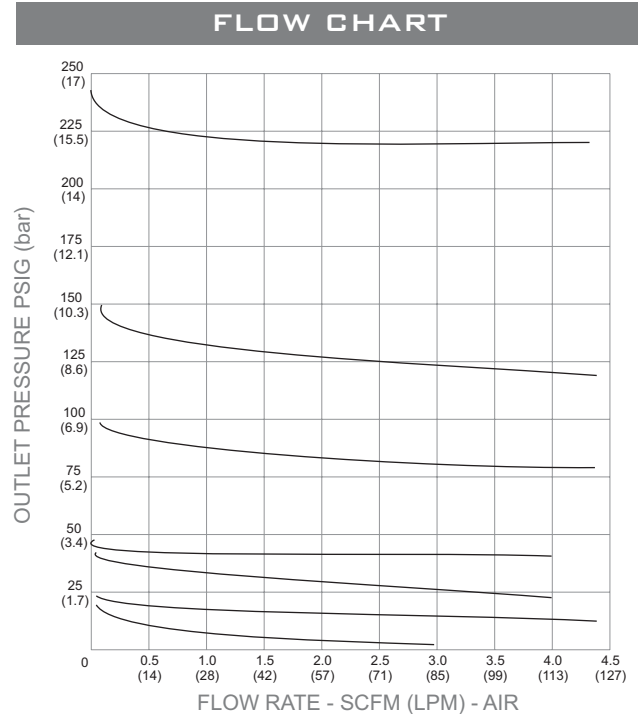
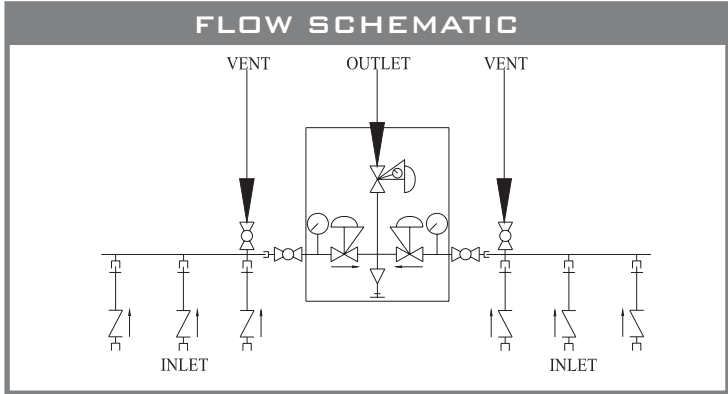
**Cylinder Header
 (available up to 6 cylinders)**



**Remote Alarm Box (RA2)
 (refer to the accessory section of
 this brochure for details)**



**Standard
 Flexible Hose
 Length**



STANDARD SPECIFICATIONS AND MATERIALS OF CONSTRUCTION

Model	CS3000 Series Brass Construction	CS3000 Series All Stainless Steel Construction
Maximum Inlet Pressure	3000 psig	3000 psig
Outlet Pressure Range	See Selection Matrix	See Selection Matrix
Inlet Connection Fitting	Gas Related Brass CGA Adaptor	Type 316 Stainless Steel 3/8" Compression S/S
Gas Service Outlet Connection	1/4" Compression, S/S	1/4" Compression, S/S
Purge Valve Outlet Connection	1/4" F.NPT, Brass	1/4" F.NPT, S/S
Operating Temperature	-40°F to 140°F	-40°F to 140°F
Pressure Gauge Dial & Material	2"-Dial, Brass	2"-Dial, Type 316 Stainless Steel
Fitting Size & Material	1/4" NPS, Brass	1/4" NPS, Type 316 Stainless Steel
Pressure Regulator		
Body	Brass Barstock	Type 316L Stainless Steel Barstock
Diaphragm	Type 316L Stainless Steel	Type 316L Stainless Steel
Filter	10-micron Nickel-Plated Sintered Bronze	10-micron Type 316L Stainless Steel
Seats	PTFE	PTFE
Seals	PTFE	PTFE
Diaphragm Valves		
Body	Forging Brass UNS 37700	Type 316 Stainless Steel
Seats	Nylon, Zytel 101 or Celanese 1000-1	PFA
Seals	Virgin Teflon	PFA