

# 632 SERIES GAS SWITCHOVER



The 632 Series pressure differential switchover has been designed as a cost effective solution for high-flow applications. With simple priority valve operation, the 632 delivers 15, 50, 120, or 150 PSIG output at flow rates exceeding 5,000 SCFH. The robust design exceeds the stringent requirements for Oxygen-Acetylene NFPA 51 standards. Options include 1000-watt heaters for Carbon Dioxide, Advantium alarms and intrinsic safety barriers for Hydrogen service.

## Typical Applications

- Hydrogen Blanketing
- Beverage Dispensing Systems
- Welding/Shielding Pipeline Gases
- Oxy-Acetylene Heating, Brazing, or Cutting



6321313-01-510 shown

## Features

**Integral 6700 Regulator** permits high flow capacity

**Semi-automatic Pressure Differential Switchover** ensures uninterrupted gas supply

**Pressure Ranges from 0-15 PSIG (0-1 BAR) to 0-150 PSIG (0-10 BAR)** support a range of applications

**Optional Remote Alarm** provides visual and audible notification of cylinder depletion

**Optional MicroManifold System** facilitates installation and expansion

## Materials and Specifications

**Maximum Inlet Pressure:** 3000 PSIG (210 BAR); 4500 PSIG (310 BAR) optional

**Maximum Flow:** 5000 SCFH (2360 LPM)

**Priority Valve and Line Regulator Body:** Brass barstock

**Inlet/Outlet Connections:** 1/2 in FNPT

**Diaphragms:** Fabric reinforced chloroprene

**Seats:** Chloroprene, PTFE, EPDM, FKM; or PCTFE with 4500 PSIG (310 BAR) option

**Internal Seals:** Chloroprene, PTFE, and FKM

**Tubing and Connections:** Brass

**Temperature Range:** -40°F to 140°F (-40°C to 60°C)

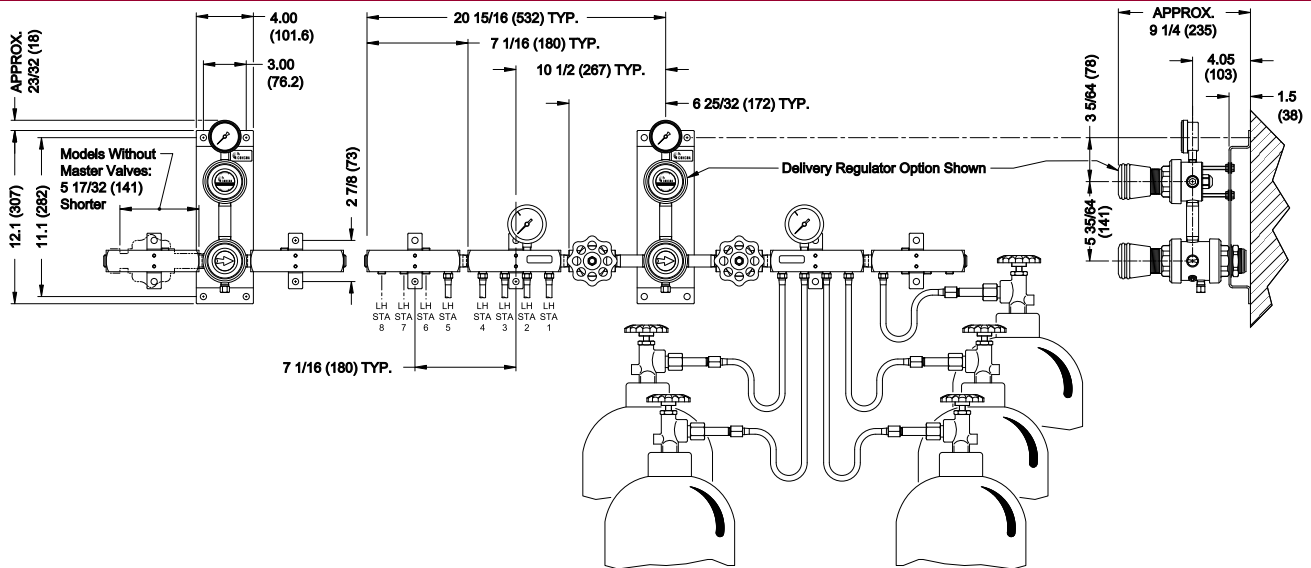
**Weight:** 54 lbs (25 kg)

**Conformances:** Cleanliness meets or exceeds CGA G-4.1; ANSI/ASME B40.1; CRN OH5216; CRN OC1794

# 632 SERIES GAS SWITCHOVER



## Installation Dimensions



## Ordering Information

632	A	B	C	D	-CON	Options
Series 632	Outlet Pressure/Configuration	Inlet & Gauge Configuration	Hoses/Side	Max Inlet Pressure	Cylinder Connections	
	<b>1:</b> 0-15 PSIG* (0-1 BAR) left side outlet	<b>0:</b> 1/4" FNPT (PSIG/kPa)	<b>0:</b> None	<b>1:</b> 3000 PSIG (210 BAR) no alarm capability†	<i>CGA, DIN 477, BS 341 and others available.</i>	<b>F:</b> Flashback Arrestors on each Hose with CGA 300, 415, 510, or 000
	<b>2:</b> 0-50 PSIG (0-3 BAR) left side outlet	<b>1:</b> Master Valve (PSIG/kPa)	<b>1:</b> One 36"	<b>2:</b> 3000 PSIG (210 BAR) with alarm capability†	<i>Use -001 without hoses and -000 for hoses without cylinder connections.</i>	<b>H:</b> 120 V Heater
	<b>3:</b> 0-120 PSIG (0-8 BAR) left side outlet	<b>2:</b> Micromanifold (PSIG/kPa)	<b>2:</b> Two 36"	<b>3:</b> 300 PSIG (20 BAR) no alarm capability	<i>PTFE-lined hoses for oxygen service include accumulator extensions to prevent ignition from adiabatic compression.</i>	<b>J:</b> 220 V Heater
	<b>7:</b> 0-150 PSIG (0-10 BAR) left side outlet	<b>3:</b> Master Valves with Micromanifold (PSIG/kPa)	<b>3:</b> Three 36"	<b>4:</b> 300 PSIG (20 BAR) with alarm capability*	<i>PTFE-lined hoses not for use with helium or hydrogen.</i>	
	<b>A:</b> 0-15 PSIG* (0-1 BAR) right side outlet	<b>4:</b> 1/4" FNPT (PSIG/BAR)	<b>4:</b> Four 36"	<b>5:</b> 4500 PSIG (310 BAR) no alarm capability†		
	<b>B:</b> 0-50 PSIG (0-3 BAR) right side outlet	<b>5:</b> Master Valve (PSIG/BAR)	<b>A:</b> One 24"	<b>6:</b> 4500 PSIG (310 BAR) with alarm capability*†		
	<b>C:</b> 0-120 PSIG (0-8 BAR) right side outlet	<b>6:</b> Micromanifold (PSIG/BAR)	<b>B:</b> Two 24"	<b>7:</b> 3000 PSIG (210 BAR) no alarm capability‡		
	<b>G:</b> 0-150 PSIG (0-10 BAR) right side outlet	<b>7:</b> Master Valves with Micromanifold (PSIG/BAR)	<b>C:</b> Three 24"	<b>8:</b> 3000 PSIG (210 BAR) with alarm capability*‡		
*Outlet gauge redlined for Acetylene service.			<b>D:</b> Four 24"	†High-pressure only.		
			<b>J:</b> One 72"	‡Liquid cylinder primary with high-pressure reserve.		
			<b>K:</b> Two 72"	*Requires inlet configuration 6 or 7.		
			<b>L:</b> Three 72"			
			<b>M:</b> Four 72"	Alarm not included. See below for options.		

## Related Options

Part Number	Option	Description
5750025-01-24V	Altos 2™ Remote Alarm	Provides audible and visible notification of a depleted supply bank to a remote location