

GAS SWITCHOVER SYSTEMS



632 SERIES PRESSURE DIFFERENTIAL

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.



Advanced Features

Automatic Pressure Differential Switchover
Uninterrupted gas supply

6700 Regulator
High-flow capacity

Pressure Ranges 0-15 to 0-150 PSIG
Broad range of applications

Integral Maniflex Manifold System
Easy installation and expansion

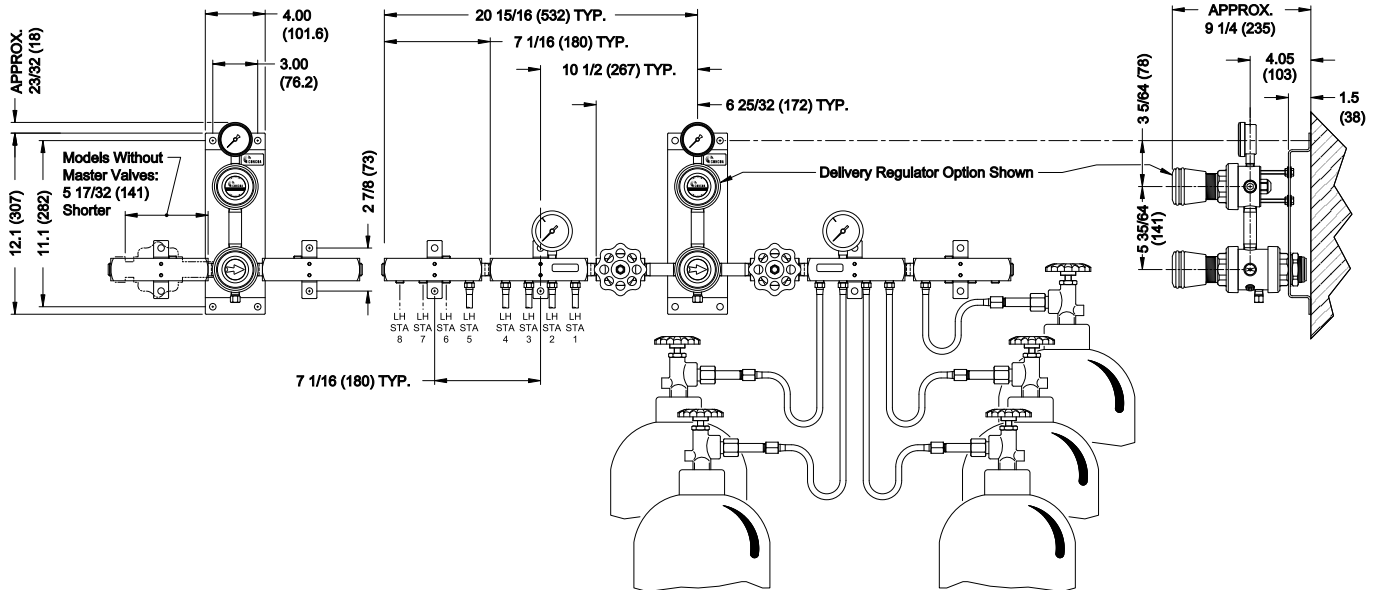
Left and Right Banks
Maintain reserve supply

Applications	Materials	Specifications
<p>Hydrogen Blanketing Continuous supply</p> <p>Oxy-Acetylene Heating, Brazing or Cutting NFPA compliant design</p> <p>Welding/Shielding/Pipe Line Gases Supply up to 100 drops</p> <p>Beverage Dispensing Systems Liquid or high-pressure compatible</p>	<p>Priority Valve and Line Regulator Brass barstock</p> <p>Diaphragms Fabric-reinforced neoprene</p> <p>Tubing and Fittings Brass</p> <p>Internal Seals Neoprene, PTFE, and Viton®</p> <p>Seats Neoprene, PTFE, Viton®, and PCTFE</p> <p>Check Valves Brass with Viton seals</p> <p>Hose Core and Casing PTFE core with stainless steel braid Stainless steel core with stainless steel braid and armor casing (CGA 350 only) PTFE core with armor casing (liquid primary-high-pressure reserve models)</p> <p>Hose Fittings Brass</p>	<p>Maximum Inlet Pressure Neoprene, PTFE, Viton seats 3000 PSIG (210 BAR) PCTFE seats 4500 PSIG (310 BAR)</p> <p>Temperature Range -40 to 140°F (-40 to 60°C)</p> <p>Maximum Flow 5000 SCFH (2360 LPM)</p> <p>Inlet Connection ½" FNPT</p> <p>Outlet Connection ½" FNPT</p> <p>Weight 54 lbs. (25 kg)</p>

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Mounting and Dimensional Information for the 632 Series



DISTRIBUTION SYSTEMS

Ordering Information

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

Related Options

Part Number	Option	Description
575 0025-01-000	Altos 2 Alarm	Provides audible and visible notification of a depleted supply bank to a remote location (See page 46)