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



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

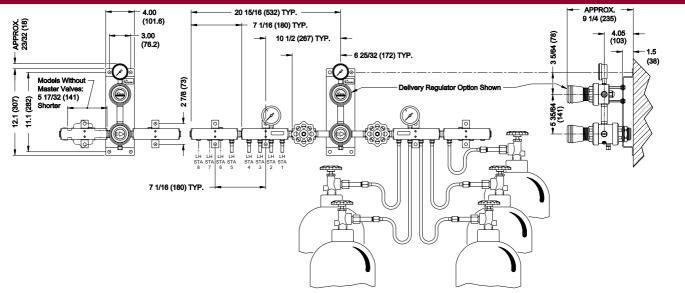
Materials and Specifications

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

32 Configuration Configuration Configuration Configuration 1: 0-15 PSIG* 0: 1/4" FNPT 0: None 1: 3000 PSIG (210 BAR) CGA, DIN 477, BS 341 and others available. F: Flashback Arrestors on each dother available. 2: 0-50 PSIG (0-3 BAR) 1: Master Valve (PSIG/kPa) 1: One 36" 2: 3000 PSIG (210 BAR) with alarm capability1 CGA, DIN 477, BS 341 and others available. F: Flashback Arrestors on each dothers available. 3: 0-120 PSIG (0-3 BAR) 1: Master Valve (PSIG/kPa) 1: One 36" 2: 3000 PSIG (210 BAR) no alarm capability1 CGA, DIN 477, BS 341 and others available. F: Flashback Arrestors on each connections. 1: 0-150 PSIG (0-3 BAR) 1: Master Valves with Alarm capability1 3: 300 PSIG (20 BAR) no alarm capability1 CGA Discover of the prevent ignition from adiabatic compression. PTFE-lined hoses not for use with helium or hydrogen. J: 220 V Heater A: 0-15 PSIG (0-1 BAR) 4: 1/4" FNPT 4: One 24" 5: 4500 PSIG (310 BAR) no alarm capability1 PTFE-lined hoses not for use with helium or hydrogen. J: 200 V Heater Right side outlet (PSIG/BAR) A: One 24" 6: 4500 PSIG (210 BAR) no alarm capability1 PTFE-lined hoses not for use with helium or hydrogen. J: 200 V Heater B: 0-50 PSIG (0-10 BAR) right side outlet f: Master Valves with Nicromanifold (32	А	В	С	D	-CON	Options
(0-1 BAR) left side outlet (PSIG/kPa) no alarm capability* others available. Arrestors on each Hose with CGA 200 FSIG (210 BAR) with GGA 200 FSIG (210 BAR) with alarm capability* others available. Use -001 without hoses and -000 for hoses with CGA 300, 415, 510, or 000 3: 0-120 PSIG (0-3 BAR) 2: Micromanifold 2: Two 36" 3: 000 PSIG (20 BAR) no alarm capability* Use -001 without hoses and -000 for hoses with OCA 300, 415, 510, or 000 000 1: 0-150 PSIG (0-10 BAR) 2: Micromanifold (PSIG/kPa) 3: Three 36" 4: 300 PSIG (20 BAR) no alarm capability* PTFE-lined hoses for oxygen service include accumulator for adiabatic compression. PTFE-lined hoses not for use Use -001 without hoses and -000 for hoses with CGA 300, 415, 510, or 000 A: 0-120 PSIG (0-10 BAR) right side outlet 3: Master Valves (PSIG/BAR) 3: Three 36" 4: S00 PSIG (310 BAR) no alarm capability* PTFE-lined hoses not for use TFE-lined hoses not for use B: 0-50 PSIG (0-3 BAR) right side outlet 5: Master Valve (PSIG/BAR) A: One 24" 5: 4500 PSIG (210 BAR) no alarm capability* PTFE-lined hoses not for use TFE-lined hoses not for use right side outlet 5: Master Valve (PSIG/BAR) 6: Micromanifold (PSIG/BAR) B: Two 24" 7: 3000 PSIG (210 BAR) no alarm capability* PTFE-lined hose not for use TFE-lined hose not for mos not not meabablity* g: 0-150 PSIG (Series 632			Hoses/Side	Max Inlet Pressure	Cylinder Connections	
2: 0.50 PSIG (0.3 BAR) 1: Master Valve (PSIG/kPa) 1: One 36" 2: 300 PSIG (210 BAR) with alarm capability and alarm capability no alarm capability Use -001 without hoses and out for hoses without cylinder connections. 300, 415, 510, or 000 7: 0.150 PSIG (0-10 BAR) left side outlet 2: Micromanifold (PSIG/kPa) 2: Two 36" 3: 300 PSIG (20 BAR) no alarm capability Vse -001 without hoses and out connections. 300, 415, 510, or 000 A: 0-150 PSIG (0-10 BAR) left side outlet 2: Micromanifold (PSIG/kPa) 2: Two 36" 4: 300 PSIG (20 BAR) with alarm capability Vse -001 without hoses and oul arm capability Vse -001 without hoses and oul arm capability 4: 120 V Heater A: 0-15 PSIG (0-10 BAR) right side outlet 4: 1/4" FNPT (PSIG/BAR) 4: Four 36" 5: 4500 PSIG (310 BAR) no alarm capability ⁺ PTFE-lined hoses not for use with helium or hydrogen. Vse -001 without hoses and out arm capability ⁺ C: 0-120 PSIG (0-3 BAR) right side outlet 6: Micromanifold (PSIG/BAR) B: Two 24" 7: 3000 PSIG (210 BAR) with alarm capability ⁺ PTFE-lined hoses not for use with high-pressure only. *Outlet gauge redined for Acetylene service. 7: Master Valves with Micromanifold (PSIG/BAR) C: Three 24" 8: 3000 PSIG (210 BAR) with alarm capability ⁺ Vse -001 *Outlet gauge redined for Acetylene service. 1: Four 72" *High-pressure onfiguration 6 or 7. Vse -00				0: None			Arrestors on each
3: 3: 0-120 PSIG (0-3 BAR) 2: Micromanifold 2: Wo 3c° 3: 300 PSIG (20 BAR) PTFE-lined hoses for oxygen service include accumulator extensions to prevent ignition 7: 0-150 PSIG (0-10 BAR) 3: Master Valves with Micromanifold (PSIG/kPa) 3: Three 36° 4: 300 PSIG (20 BAR) Service include accumulator extensions to prevent ignition form adiabatic compression. J: 220 V Heater A: 0-15 PSIG * (0-1 BAR) 4: 1/4" FNPT (PSIG/kPa) 4: Four 36° 5: 4500 PSIG (310 BAR) no alarm capability* PTFE-lined hoses not for use with helium or hydrogen. B: 0-50 PSIG (0-3 BAR) 5: Master Valve (PSIG/BAR) A: One 24″ 6: 4500 PSIG (210 BAR) no alarm capability* PTFE-lined hoses not for use with helium or hydrogen. C: 0-120 PSIG (0-3 BAR) right side outlet 5: Master Valve (PSIG/BAR) B: Two 24″ 7: 3000 PSIG (210 BAR) no alarm capability* PTFE-lined hoses not for use with helium or hydrogen. G: 0-150 PSIG (0-3 BAR) right side outlet 7: Master Valves (PSIG/BAR) B: Two 24″ 7: 3000 PSIG (210 BAR) no alarm capability* PTFE-lined hoses not for use with helium or hydrogen. G: 0-150 PSIG (0-10 BAR) right side outlet 7: Master Valves with Micromanifold (PSIG/BAR) E: Two 24″ 7: 3000 PSIG (210 BAR) with alarm capability* Figure sinet configuration for 7. Valuet gauge redlined for Acetylene service. D: Four 24″ Hight-pressure reserve.				1: One 36"		-000 for hoses without cylinder connections. PTFE-lined hoses for oxygen service include accumulator extensions to prevent ignition	300, 415, 510, or
7: 0-150 PSIG (0-10 BAR) 3: Master Valves with Micromanifold (PSIG/kPa) 3: Three 36" 4: 300 PSIG (20 BAR) with alarm capability* service include accumulator from adiabatic compression. J: 220 V Heater A: 0-15 PSIG* (0-1 BAR) right side outlet 4: 1/4" FNPT (PSIG/BAR) 4: Four 36" 5: 4500 PSIG (310 BAR) no alarm capability* PTFE-lined hoses not for use with helium or hydrogen. 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* PTFE-lined hoses not for use with helium or hydrogen. C: 0-120 PSIG (0-3 BAR) right side outlet 5: Master Valve (PSIG/BAR) B: Two 24" 7: 3000 PSIG (210 BAR) with alarm capability* PTFE-lined hoses not for use with helium or hydrogen. G: 0-120 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* PTFE-lined hoses not for use with helium or hydrogen. "Outlet gauge redlined for Acetylene service. 7: Moster Valves with Micromanifold (PSIG/BAR) C: Three 24" 8: 3000 PSIG (210 BAR) with alarm capability* Figure sinet "Outlet gauge redlined for Acetylene service. 1: One 72" tLiquid cylinder primary with high-pressure Freerve. Freerve. Freerve. Freerve. Freerve. Freerve. Freerve. Freerve.				2: Two 36"			H: 120 V Heater
A: 0-15 PSIG* (0-1 BAR) 4: 1/4 FNP1 4: Four 36° 5: 4500 PSIG (310 BAR) with helium or hydrogen. B: 0-50 PSIG (0-3 BAR) 5: Master Valve (PSIG/BAR) A: One 24" 6: 4500 PSIG (310 BAR) with helium or hydrogen. C: 0-120 PSIG (0-3 BAR) 6: Micromanifold (PSIG/BAR) B: Two 24" 7: 3000 PSIG (210 BAR) no alarm capability‡ G: 0-150 PSIG (0-10 BAR) 7: Master Valves with Micromanifold (PSIG/BAR) C: Three 24" 8: 3000 PSIG (210 BAR) *Outlet gauge redlined for Acetylene service. 7: Master Valves with Micromanifold (PSIG/BAR) C: Three 24" 8: 3000 PSIG (210 BAR) *Outlet gauge redlined for Acetylene service. 7: Master Valves with Micromanifold (PSIG/BAR) C: Three 24" 8: 3000 PSIG (210 BAR) *Outlet gauge redlined for Acetylene service. 0: Four 24" fHigh-pressure only. fLiquid cylinder primary with helium for Acetylene service. K: Two 72" 'Requires inlet configuration 6 or 7. 'Requires inlet See below for options. Alarm not included. See below for options.			with Micromanifold	3: Three 36"			J: 220 V Heater
right side outlet (PSIG/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*‡ *Outlet gauge redlined for Acetylene service. D: Four 24" fHigh-pressure only. J: One 72" ‡Liquid cylinder primary with high-pressure reserve. K: Two 72" *Requires inlet configuration 6 or 7. M: Four 72" Alarm not included. See below for options.				4: Four 36"			
right side outlet (PSIG/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*‡ *Outlet gauge redlined for Acetylene service. D: Four 24" <i>tHigh-pressure only.</i> *Outlet gauge redlined for Acetylene service. D: Four 24" <i>tLiquid cylinder primary with high-pressure only.</i> K: Two 72" K: Two 72" *Requires inlet configuration 6 or 7. M: Four 72" Alarm not included. See below for options.				A: One 24"			
right side outlet with Micromanifold (PSIG/BAR) with alarm capability*‡ *Outlet gauge redlined for Acetylene service. D: Four 24" <i>†High-pressure only.</i> J: One 72" <i>‡Liquid cylinder primary with high-pressure reserve.</i> K: Two 72" *Requires inlet configuration 6 or 7. M: Four 72" Alarm not included. See below for options.				B: Two 24"			
for Acetyleñe service. J: One 72" ‡Liquid cylinder primary with high-pressure reserve. K: Two 72" K: Two 72" *Requires inlet configuration 6 or 7. M: Four 72" Alarm not included. See below for options.			with Micromanifold	C: Three 24"			
J. Otte 72 with high-pressure reserve. K: Two 72" *Requires inlet configuration 6 or 7. L: Three 72" Alarm not included. See below for options.				D: Four 24"	<i>†High-pressure only.</i>		
K: Two 72" *Requires inlet configuration 6 or 7. L: Three 72" Alarm not included. See below for options.				J: One 72"	with high-pressure		
L: Three 72" configuration 6 or 7. M: Four 72" Alarm not included. See below for options.				K: Two 72"			
M: Four 72" See below for options.				L: Three 72"			
Related Options				M: Four 72"			
	Rela	ated Options					

Related Op						
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				