

530 SERIES SWITCHOVER



The 530 Series Switchover System provides an uninterrupted supply of non-corrosive, non-oxidizing gas in applications requiring 400 PSIG (28 BAR) or more. The system comes with options for multiple inlet configurations for use with up to two cylinders per side. CONCOA's pressure differential switchover is constructed from chrome-plated brass and is ideal for use with nitrogen, helium, argon, or hydrogen where cylinder fill pressures can be as high as 6000 PSIG (415 BAR). For efficient gas cylinder management, optional Altos 2 remote alarm capability provides audible and visible warning of impending cylinder depletion.

Typical Applications

- High Delivery Pressure Gas Systems
- Aerospace Cycle Testing
- Component Helium Leak Testing
- Combustion Research Laboratories
- Synthetic Fuel Research and Process Plants
- High Pressure Hydrogen
- High Pressure Air Systems
- Plant Pneumatic Valve Supply



5301112-01-000 shown

Features

492 Series Regulator with Capsule Seat Design increases serviceability and life

Single Knob Priority Valve permits easy switch of cylinder priority

High Purity Pressure Regulator and Valve Design maintains gas purity to point-of-use

Check Valve in Optional Regulator Hose Inlet Gland prevents contamination and backflow

Optional Piston Sensed Outlet Regulator provides stable line pressure during a changeover

Materials and Specifications

Maximum Inlet Pressure: 3000 PSIG (210 BAR); 4500 PSIG (310 BAR); or 6000 PSIG (415 BAR)

Regulator Bodies: Chrome-plated brass barstock

Gauges: 2 1/2 in (68 mm) diameter chrome-plated brass (non-pressure switch models); 2 1/2 in (68 mm) diameter stainless steel (pressure switch models)

Cartridges: Brass barstock

Seats: Peek (switchover regulators); PCTFE (line regulators)

Filters: 10-micron sintered bronze

Internal Seals: FKM

Outlet Connections: 1/4 in compression tube fitting

Cv: 0.1

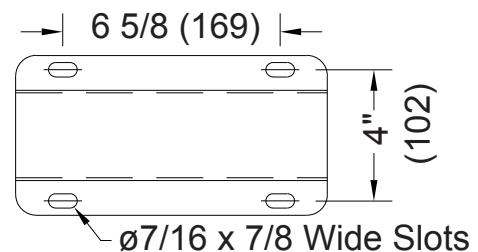
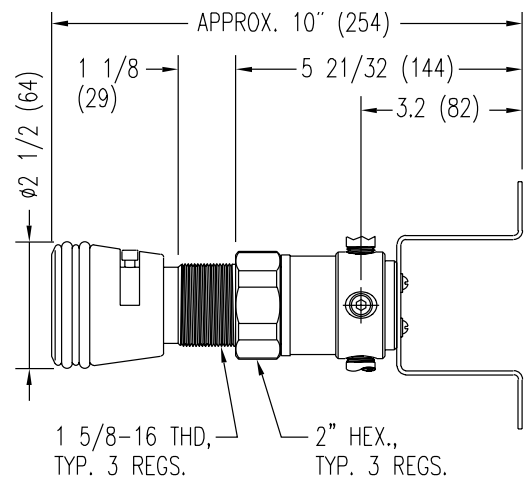
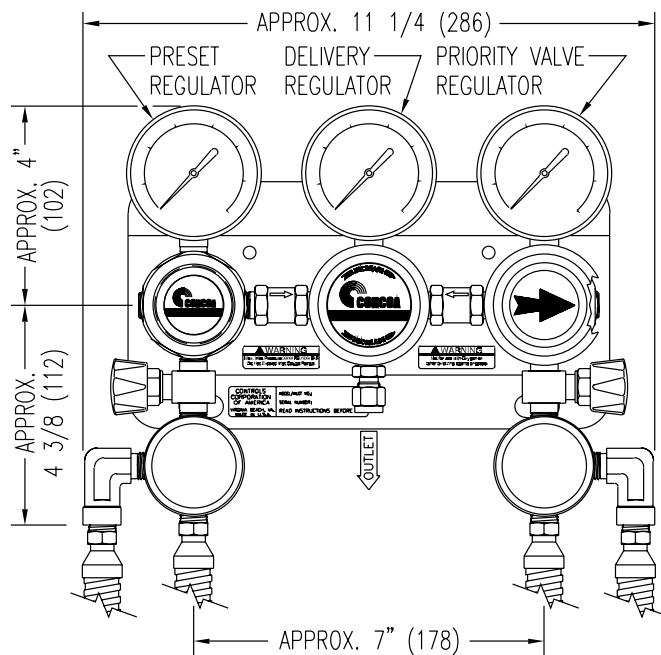
Temperature Range: -40°F to 140°F (-40°C to 60°C)

Conformances: Cleanliness meets or exceeds CGA G-4.1; ANSI/ASME B40.1; CRN OH5216; CRN OC17947

530 SERIES SWITCHOVER



Installation Dimensions



Ordering Information

530	A	B	C	D	-CON	
Series 530	Delivery Pressure	Max Inlet Pressure	Inlet Gauges	Inlet Connection	Assembly/Gauges	Hose
	1: 1000 PSIG (70 BAR)	1: 3000 PSIG (210 BAR)	4000 PSIG/275 BAR	0: 1/4" FNPT port	2: PSIG/BAR gauges with no alarm capability	<i>Please specify inlet connection (if applicable)</i>
	2: 1500 PSIG (100 BAR)	2: 4500 PSIG (310 BAR)	6000 PSIG/415 BAR	1: Two needle valves with two 36" (900mm) flexible hoses (one station per side)	4: PSIG/BAR gauges with pressure switches and Altos 2 alarm	<i>CGA DIN 477 BS 341 and others available</i>
	3: 2500 PSIG (170 BAR)	3: 6000 PSIG (415 BAR)	10,000 PSIG/700 BAR	2: Two needle valves with four 36" (900mm) flexible hoses (two stations per side)	8: PSIG/BAR gauges with pressure switches and without alarm	
	4: 3500 PSIG (240 BAR)			3: Manifold connectors 3000 PSIG (210 BAR) inlet only*	G: PSIG/BAR gauges with standard transducers (not intrinsically safe) and Altos 2 alarm	<i>Not for use in Oxygen service</i>
	D: 3000 PSIG (207 BAR)			<i>*See 52 Series Maniflex System for manifold ordering information</i>	J: PSIG/BAR gauges with standard transducers (not intrinsically safe) and without alarm	
					L: PSIG/BAR gauges with intrinsically safe transducers and barriers† and Altos 2 alarm	
					N: PSIG/BAR gauges with intrinsically safe transducers and barriers† and without alarm	

*See 52 Series Manifold System for manifold ordering information

†Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments.