

526 SERIES SWITCHOVER



The 526 Series Switchover operates by opposing pressure differential. It is designed to automatically switch from the primary side to the reserve side to deliver a continuous supply of high purity, non-corrosive gas. The system comes with either flexible hoses for use with two cylinders, or manifold connectors for use with the CONCOA 52 Series Maniflex Modular Manifold. Due to pressure differential considerations, an integral line regulator is available to maintain constant downstream pressure. Additional options for the 526 Series manifold switchover include purge valves to allow purging after cylinder changeover and outlet valves to allow isolation of the pipeline. For more flexibility in supply mode including optimization of high pressure, high purity gas applications, consider the CONCOA fully automatic, computer-controlled IntelliSwitch.

Typical Applications

- Ultra-High Purity Gases
- AA Grade Acetylene
- Pure and Mixed Process Gases
- Gas Chromatograph Carrier and Support Gases



5264011-01-001 shown

Features

Metal-to-metal Diaphragm Seal prevents gas contamination

400 Series Brass Regulators with CAPSULE® Seat Design provide 360° filtration

Single Knob Priority Valve permits easy switch of cylinder priority

Optional Altos 2™ Remote Alarm delivers audible and visible alert before switchover occurs

Optional Intrinsic Safety Barriers support flammable gas service or use in hazardous environments

Optional Purge Valve enables purging after cylinder changeover

Optional Outlet Valve allows isolation of pipeline

Materials and Specifications

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

Outlet Connections: 1/4" MNPT (without line regulator); 1/4" FNPT (with line regulator)

Regulator Bodies: Brass barstock

Gauges: 2" (50 mm) Diameter brass

Diaphragms: 316L Stainless steel

Seats: PTFE (line regulators); PCTFE (inlet regulators)

Filters: 10-micron sintered bronze

Internal Seals: PTFE

Helium Leak Integrity: 1×10^{-8} scc/sec

Cv: 0.1

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

Standard Transducers (optional): 0-6000 PSIG (4-20 mA output)

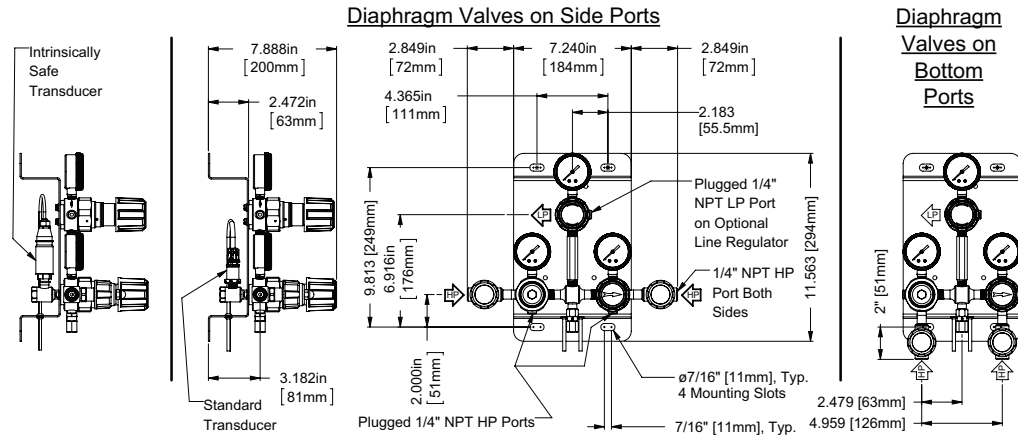
Intrinsically Safe Transducers (optional): 0-5000 PSIG (4-20 mA output)

Conformances: Cleanliness meets or exceeds CGA G-4.1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216.5; CRN OH15806.5

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Installation Dimensions



Ordering Information

526	A	B	C	D	-CON	Optional
Series 526	Switching Pressure (Priority R/L)	Inlet Connection	Line Regulator	Assembly	Hose	
	1: 125/105 PSIG* (8.4/7.1 BAR)	0: 1/4" FNPT ports	0: None	1: 0-4000 PSIG/0-28,000 kPa gauges no alarm capability*	<i>Please specify inlet connection (if applicable)</i>	A: Outlet valve
	2: 70/50 PSIG* (4.8/3.5 BAR)	1: 36" (900mm) stainless steel flexible hoses	1: 0-15 PSIG (0-1 BAR)	2: 0-4000 PSIG/0-275 BAR gauges no alarm capability*	CGA	B: Outlet valve and purge valve
	3: 100/75 PSIG (6.8/5.1 BAR)	2: Manifold connectors*	2: 0-50 PSIG (0-3.5 BAR)	5: 0-600 PSIG/0-40 BAR gauges no alarm capability	DIN 477	V: Purge valves
	4: 200/170 PSIG (13.5/11.5 BAR)	3: 24" (600mm) stainless steel flexible hoses	3: 0-100 PSIG (0-7 BAR)	8: 0-4000 PSIG/0-275 BAR gauges* with pressure switches and without remote alarm	BS 341	
	5: 500/470 PSIG (33.8/31.8 BAR)	4: Diaphragm valves with 1/4" FNPT port	4: 0-250 PSIG (0-17 BAR)	9: 0-600 PSIG/0-40 BAR gauges with pressure switches and without remote alarm	and others available.	
	7: 150/130 PSIG (10.1/8.8 BAR)	5: Diaphragm valves with 36" (900mm) hoses	5: 0-400 PSIG (0-27 BAR)	G: 0-4000 PSIG/0-280 BAR gauges* w/ Altos 2 alarm and standard transducers (not intrinsically safe)		
	8: 300/270 PSIG (20.3/22.3 BAR)	6: Diaphragm valves with manifold connectors*	7: 0-150 PSIG (0-10 BAR)	H: 0-600 PSIG/0-42 BAR gauges w/ Altos 2 alarm and standard transducers (not intrinsically safe)		
	<i>*Not available with 4500 PSIG (310 BAR) inlet.</i>	7: Diaphragm valves with 24" (600mm) hoses		J: 0-4000 PSIG/0-280 BAR gauges* with standard transducers (not intrinsically safe), alarm not included		
	Note: Switching pressure must be higher than line regulator pressure selected in column C.	8: 36" (900mm) stainless steel flexible hoses and 4500 PSIG (310 BAR) maximum inlet pressure		K: 0-600 PSIG/0-42 BAR gauges with standard transducers (not intrinsically safe), alarm not included		
		9: 1/4" FNPT ports and 4500 PSIG (310 BAR) maximum inlet pressure		L: 0-4000 PSIG/0-280 BAR gauges* with Altos 2 alarm and intrinsically safe transducers and barriers		
		A: 36" (900mm) stainless steel flexible hoses with flashback arrestor for acetylene		M: 0-600 PSIG/0-42 BAR gauges with Altos 2 alarm and intrinsically safe transducers and barriers		
		B: 36" (900mm) stainless steel flexible hoses with flashback arrestor for acetylene and with diaphragm valve		N: 0-4000 PSIG/0-280 BAR gauges* with intrinsically safe transducers and barriers, alarm not included		
		C: Compact manifold connectors*		P: 0-600 PSIG/0-42 BAR gauges with intrinsically safe transducers and barriers, alarm not included		
		D: Diaphragm valves with compact manifold connectors*		<i>*If 4500 psi model (B=8 or 9) is selected then the 4000 PSIG/280 BAR becomes 0-6000 PSIG/0-400 BAR.</i>		

*See 52 Series Manifold Manifold for ordering information.

Note: Intrinsically safe transducers and barriers are required for flammable gas service or for use in hazardous environments.