526 CD Series Switchover

The 526 CD Series Switchover pressure differential manifold system with heated line regulator is designed to deliver a continuous supply of high purity carbon dioxide or nitrous oxide. Integral heaters in the line regulator ensure a high flow of inert gases that are prone to freezing due to flow or Joule-Thomson effect. The system comes with either flexible hoses for use with one cylinder per side, or manifold connectors for use with a CONCOA manifold for increased storage, such as the 52 Series Maniflex Manifold System, available in brass, chrome-plated brass, and stainless steel. The CONCOA 526 CD Switchover may be purchased with or without standard transducers, and with or without the Altos 2™ remote alarm.



526D121-01-320 shown
Available with optional remote alarm.

Typical Applications

- Atomic Absorption Grade Nitrous Oxide
- Cell Culture Incubators
- Beverage Supply and Analysis
- Bioreactors

Features

Three 50-watt Heaters maintain gas flow without freezing or particulate formation

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 Purge Valve enables purging after cylinder changeover

Optional Outlet Valve allows isolation of pipeline

Materials and Specifications

Max Inlet Pressure: 3000 PSIG (210 BAR)

Heaters: 3 @ 50 watts each (110 or 220 VAC)

Regulator Bodies: Chrome -plated brass barstock (line regulators); Brass barstock (inlet regulators)

Outlet Connections: 1/4" FNPT

Gauges: 2" (50 mm) Diameter brass

Diaphragms: 316L Stainless steel

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

Filters: 25-micron sintered bronze

Internal Seals: PTFE

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

Cv: 0.1

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

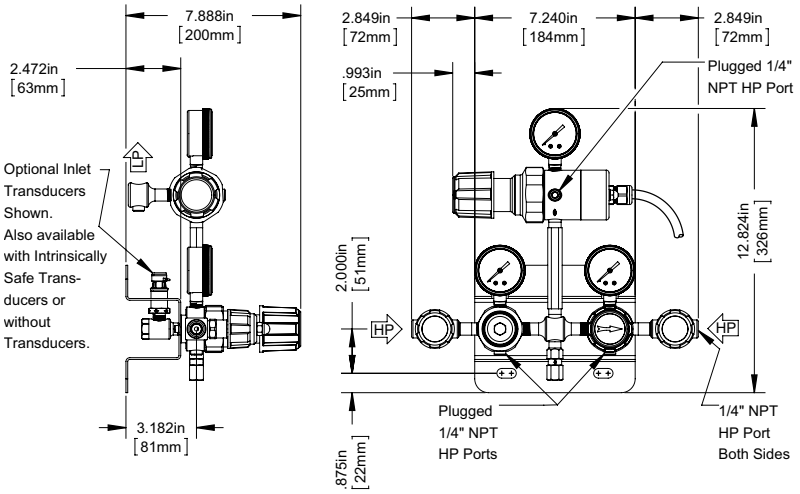
Conformances: Cleanliness meets or exceeds CGA G-4.1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216.5; CRN OH15806.5

526 CD Series Switchover

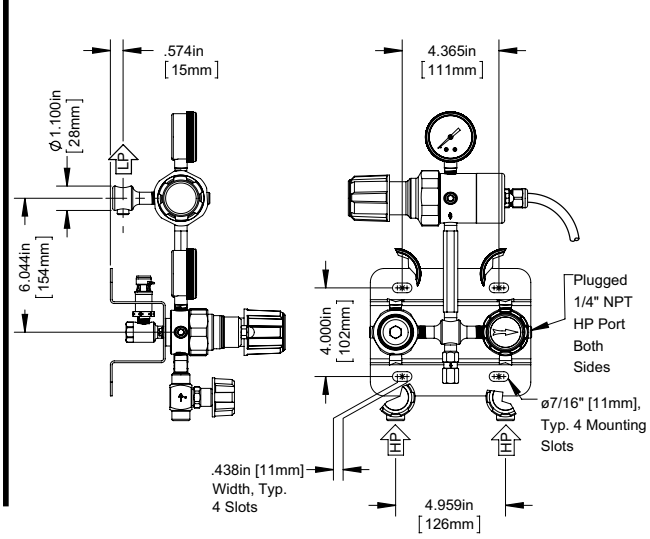
CONCOA PRECISION GAS CONTROLS

Installation Options

Diaphragm Valves on Side Ports



Diaphragm Valves on Bottom Ports



Ordering Information

526	A	B	C	D	-CON	Options
Series 526	**Nominal Switching Pressure**	**Inlet Connection**	**Heated Line Regulator**	**Assembly**	**Hose**	
	D: 200 PSIG (14 BAR) 110V Heated Line Regulator	**0:** 1/4" FNPT ports	**1:** 0-15 PSIG (0-1 BAR)	**1:** 0-4000 PSIG/0-28,000 kPa gauges no alarm capability	Please specify inlet connection (if applicable). *CGA DIN 477 BS 341 and others available.*	**A:** Outlet valve
	E: 200 PSIG (14 BAR) 220V Heated Line Regulator*	**1:** 36" (900mm) stainless steel flexible hoses	**2:** 0-50 PSIG (0-3.5 BAR)	**2:** 0-4000 PSIG/0-280 BAR gauges no alarm capability		**B:** Outlet valve and purge valve
	F: 300 PSIG (21 BAR) 110V Heated Line Regulator	**2:** Manifold connectors*	**3:** 0-100 PSIG (0-7 BAR)	**G:** 0-4000 PSIG/0-280 BAR gauges with Altos 2 alarm and standard transducers (not intrinsically safe)		**V:** Purge valves
	G: 300 PSIG (21 BAR) 220V Heated Line Regulator*	**3:** 24" (600mm) stainless steel flexible hoses	**G:** 0-30 PSIG (0-2 BAR)	**J:** 0-4000 PSIG/0-280 BAR gauges with standard transducers (not intrinsically safe) alarm not included		
	H: 500 PSIG (34 BAR) 110V Heated Line Regulator	**4:** Diaphragm valves with 1/4" FNPT port	**H:** 0-175 PSIG (0-12 BAR)			
	J: 500 PSIG (34 BAR) 220V Heated Line Regulator*	**5:** Diaphragm valves with 36" (900mm) hoses				
	**220 VAC models are CE-marked.*	**6:** Diaphragm valves with manifold connectors*				
		7: Diaphragm valves with 24" SS (600mm) hoses				
		C: Compact manifold connectors*				
		D: Diaphragm valves with compact manifold connectors*				
		**See 52B Series for manifold ordering information.*				