



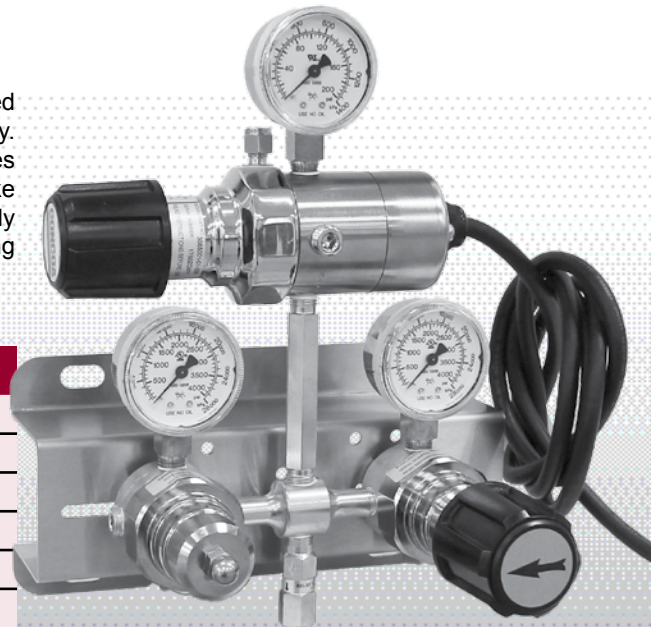
# 526 CD SERIES

## Switchover

The 526 Series Switchover is an automatic switchover system designed to supply high purity Carbon Dioxide or Nitrous Oxide continuously. 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. Unlike a separate device attached at the inlet or inlet, applying heat directly to the regulator eliminates the possibility of dry ice particulate forming in the seat and interrupting supply.

## Typical Applications

- Cell culture incubators
- Atomic absorption grade Nitrous Oxide
- Bioreactors
- Beverage supply and analysis
- Modified atmosphere packaging
- Carbon Dioxide buffer reactions



526 E031 shown  
Available with optional remote alarm.

## Features

- 400/308 Series Brass Barstock Regulators**  
CAPSULE® seat
- Metal-to-Metal Diaphragm Seal**  
No possibility of gas contamination
- User-Friendly**  
One knob switches cylinder priority
- Check Valves in Hose Inlet Glands**  
Prevents contamination and back flow
- Compatible with Maniflex Manifolds**  
Multiple cylinders per side
- Three 50-Watt Heaters**  
Maintain gas flow without freezing or particulate formation
- Optional Remote Alarm**  
Easy integration with Altos system  
CE marked universal voltage alarm
- Optional Purge Valves**  
Allows purging after cylinder change over
- Optional Outlet Valve**  
Allows isolation of pipeline

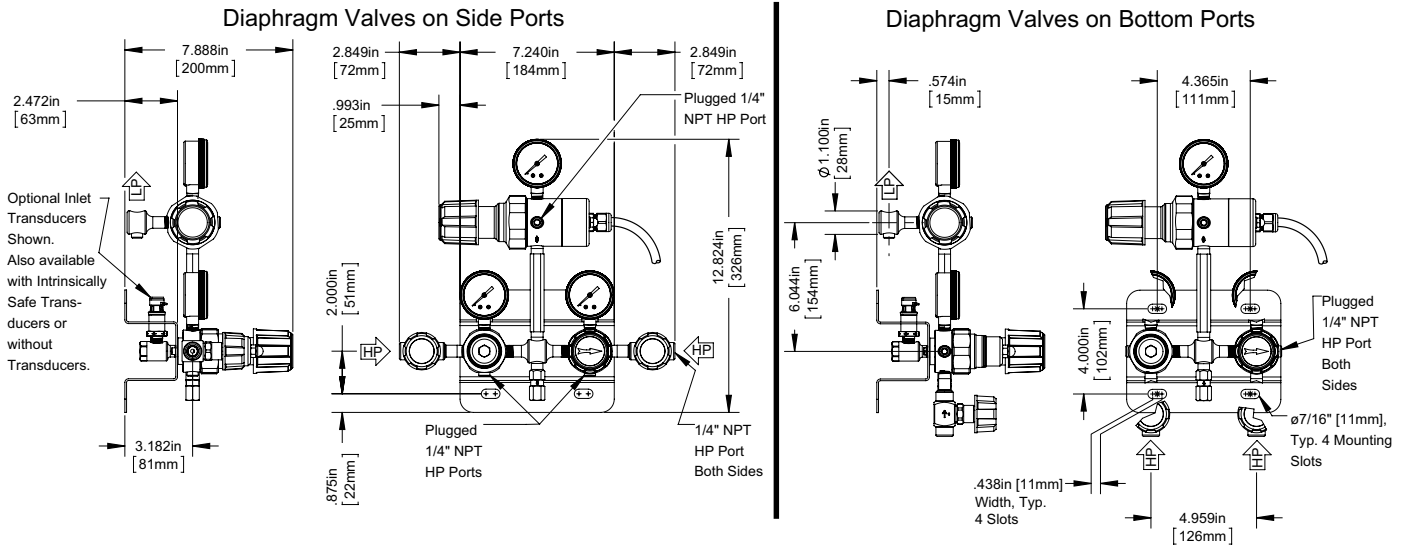
## Materials

- Bodies**  
Brass barstock (inlet regulators)  
Chrome-plated brass barstock (line regulator)
- Diaphragms**  
316L stainless steel
- Seats**  
PTFE (inlet regulators)  
PTFE (line regulator)
- Filters**  
10 micron sintered bronze
- Internal Seals**  
PTFE

## Specifications

- Maximum Inlet Pressure**  
3000 PSIG (210 BAR)
- Temperature Range (Thermostat)**  
95°F to 120°F (35°C to 49°C)
- Heaters**  
3 @ 50 watts each (110 or 220 VAC)
- Gauges**  
2" (53mm) diameter brass
- Outlet Connection**  
1/4" FPT
- Transducers**  
0-6000 PSIG (4-20 mA output)  
Optional intrinsically safe models
- Helium Leak Integrity**  
1 x 10<sup>-8</sup> scc/sec
- Cv**  
0.1
- Weight**  
8.5 lbs. (3.85 kg)

# Installation Information



# Ordering Information

526	A	B	C	D	-CON	Options	
Series 526	Nominal Switching Pressure	Inlet Connection	Heated Line Regulator	Assembly	Hose		
	<b>D:</b> 200 PSIG (14 BAR) 110V Heated Line Regulator	<b>0:</b> 1/4" FPT ports	<b>1:</b> 0-15 PSIG (0-1 BAR)	<b>1:</b> 0-4000 PSIG/0-28,000 kPa gauges no alarm capability	Please specify inlet connection (if applicable)	<b>A:</b> Outlet valve	
	<b>E:</b> 200 PSIG (14 BAR) 220V Heated Line Regulator*	<b>1:</b> 36" (900mm) stainless steel flexible hoses	<b>2:</b> 0-50 PSIG (0-3.5 BAR)	<b>2:</b> 0-4000 PSIG/0-275 BAR gauges no alarm capability	CGA DIN 477 BS 341 and others available	<b>B:</b> Outlet valve and purge valve	
	<b>F:</b> 300 PSIG (21 BAR) 110V Heated Line Regulator	<b>2:</b> Manifold connectors*	<b>3:</b> 0-100 PSIG (0-7 BAR)	<b>G:</b> 0-4000 PSIG/0-280 BAR gauges with Altos 2 alarm and standard transducers (not intrinsically safe)		<b>V:</b> Purge valves	
	<b>G:</b> 300 PSIG (21 BAR) 220V Heated Line Regulator*	<b>3:</b> 24" (600mm) stainless steel flexible hoses	<b>G:</b> 0-30 PSIG (0-2 BAR)	<b>J:</b> 0-4000 PSIG/0-280 BAR gauges with standard transducers (not intrinsically safe) - alarm not included			
	<b>H:</b> 500 PSIG (34 BAR) 110V Heated Line Regulator	<b>4:</b> Diaphragm valves with 1/4" FPT port	<b>H:</b> 0-175 PSIG (0-12 BAR)	<b>L:</b> 0-4000 PSIG/0-280 BAR gauges with Altos 2 alarm and intrinsically safe transducers and barriers			
	<b>J:</b> 500 PSIG (34 BAR) 220V Heated Line Regulator*	<b>5:</b> Diaphragm valves with 36" (900mm) hoses		<b>N:</b> 0-4000 PSIG/0-280 BAR gauges with intrinsically safe transducers and barriers - alarm not included			
	*220 VAC models are CE-marked.	<b>6:</b> Diaphragm valves with manifold connectors*		<i>Note: Intrinsically safe transducers and barriers are required for flammable gas service or for use in hazardous environments.</i>			
		<b>7:</b> Diaphragm valves with 24" (600mm) hoses					
		<b>C:</b> Compact manifold connector*					
		<b>D:</b> Diaphragm valves with compact manifold connectors*					
		*See 52B Series for manifold ordering information					