

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

PCTFE (inlet regulators)
PTFE (line regulator)

Filters

25 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 10⁻⁸ scc/sec

Cv

0.1

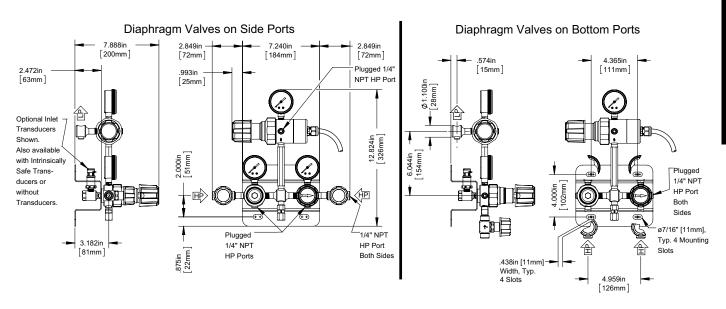
Weight

8.5 lbs. (3.85 kg)

CRN 0H15806 5



Installation Information



Ordering Information						
526	A	В	С	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" FPT 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/0-275 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" FPT port	H: 0-175 PSIG (0-12 BAR)	L: 0-4000 PSIG/0-280 BAR gauges with Altos 2 alarm and intrinsically safe transducers and barriers		
	J: 500 PSIG (34 BAR) 220V Heated Line Regulator*	5: Diaphragm valves with 36" (900mm) hoses		N: 0-4000 PSIG/0-280 BAR gauges with intrinsically safe transducers and barriers - alarm not included		
	220 VAC models are CE-marked.	6: Diaphragm valves with manifold connectors		Note: Intrinsically safe transducers and barriers are required for flammable gas service or for use in hazardous environments.		
		7: Diaphragm valves with 24" (600mm) hoses				
		C: Compact manifold connector*				
		D: Diaphragm valves with compact manifold connectors*				
		*See 52B Series for manifold ordering information				