



Pressure Differential Switchovers

526 SERIES

Switchover

The 526 Series Switchover is an automatic switchover system designed to supply 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 Maniflex Modular Manifold System. Due to pressure differential considerations, an integral line regulator is available to maintain constant downstream pressure.

Typical Applications

- Ultra high purity gases
- Gas chromatograph carrier and support gases
- AA grade acetylene
- Cell culture incubator CO₂ and N₂
- Pure and mixed process gases
- Central gas supply system for laboratory, research or process plants



526 4111 shown with attached flexible hoses. Available with optional remote alarm.

Features

- 400 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
- Optional Line Regulator**
Stable line pressure during change over
- Optional Remote Alarm**
Easy integration with Advantium system
CE marked 220 volt alarm
- Optional Purge Valves**
Allows purging after cylinder change over
- Optional Outlet Valve**
Allows isolation of pipeline

Materials

- Bodies**
Brass barstock
- Diaphragms**
316L stainless steel
- Seats**
PTFE
PCTFE with 4500 PSIG (310 BAR) inlet
- Filters**
10 micron sintered bronze
- Internal Seals**
PTFE

Specifications

- Maximum Inlet Pressure**
3000 PSIG (210 BAR)
4500 PSIG (310 BAR) optional
- Temperature Range**
-40°F to 140°F (-40°C to 60°C)
- Gauges**
2" (53mm) diameter brass
- Outlet Connection**
1/4" MPT (without line regulator)
1/4" FPT (with line regulator)
- Helium Leak Integrity**
1 x 10⁻⁸ scc/sec
- Cv**
0.1
- Weight**
8.25 lbs. (3.71 kg)

