

SCIENTIFIC

577 SERIES CRYOWIZ



The CONCOA CryoWiz delivers a continuous supply of liquid nitrogen from a primary and secondary source automatically with no temperature change. Ensuring both consistent temperature and continuous supply, the CryoWiz is ideal for critical cryogenic applications such as cryopreservation and environmental chambers.

Advanced Features

High flow, fully automatic switchover optimizes supply from high pressure or cryogenic sources

High purity brass barstock ensures purity levels of instrument process carrier gas

Integral web server enables remote access

538 SERIES INTELLISWITCH II™



The 538 Series IntelliSwitch provides an uninterrupted supply of carrier or process gases from high pressure or cryogenic liquid cylinders. Operators of gas chromatographs or ICP-MS's can lower their gas cost with the IntelliSwitch II's low loss technology, which reduces residual return and vent loss. With a NEMA-4 enclosure and ethernet interface, the IntelliSwitch II is suitable for installation at any gas source.

Advanced Features

Automatically switches between two liquid cryogenic sources without interruption or temperature change

Insulated switching mechanism, high flow pneumatic valves, hot gas bypass, and reliefs integrated in a single enclosure

Onboard Webserver enables remote access

526/527 SERIES AUTOMATIC SWITCHOVER



5267021-01-001 switchover with optional Advantium 2 Plus alarm shown

The 526 Series brass and 527 Series stainless steel switchovers are designed to supply a continuous supply of high purity gas (up to grade 6.0+). 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.

Advanced Features

Automatic switchover systems for high purity gases

Brass 526 Series for noncorrosive gases or 316L stainless steel 527 Series for corrosive gases

Continuously supplies high purity gases for instrumentation or chemical processes



Manifold Solutions



INDUSTRIAL ♦ LASER ♦ SCIENTIFIC

640/641 Series IntelliSwitch



The fully-automatic IntelliSwitch™ gas switchover is CONCOA's next generation of gas management systems. The IntelliSwitch™ offers continuous pressure and flow control from liquid cylinder or high pressure cylinder sources which enables the operator to select the ideal mode of supply by a simple push of a button. Proprietary software logic lowers yearly gas costs by eliminating liquid cylinder vent loss and excess

Advanced Features

- Micro-Processor Control ensures fully automatic priority assignment
- Field Adjustable Software enables process flexibility
- On-Site Source Selection for liquid cylinder or high-pressure service
- Low Loss Technology reduces residual return
- Process gas or air actuated pilot valve enables simple installation

642 SERIES INTELLISWITCH II™



The Web-based IntelliSwitch II™ Gas Switchover is CONCOA's solution for integrated gas management systems. IntelliSwitch II™ offers continuous pressure and flow control from liquid can or high-pressure cylinder sources, selectable by a simple push of a button or remotely via CONCOA's I-LINK™ communication. On-board software enables remote diagnostics and real time process control.

Advanced Features

- Integral web server enables remote access
- Integrated ethernet connectivity for 24/7 System monitoring
- Low loss technology reduces residual return
- Electronic economizer eliminates liquid can vent loss
- NEMA-4 cabinet for simple Installation

INDUSTRIAL 632 SERIES



The 632 series pressure differential switchover provides a cost effective solution for industrial high flow applications. The 632 delivers up to 120 PSI at flow rates exceeding 5000 CFH. For inlet pressures ranging from 90 to 4500 PSI the 632 delivers the industry's most reliable performance. Options include 1000-watt heaters for CO₂, Advantium Alarms and Intrinsic Safety Barriers for hydrogen service.

Advanced Features

- 6700 Regulator allows for high flow capacity
- Pressure ranges 0-15 to 0-120 PSIG (0-1 to 0-8 BAR) - Broad range of applications
- Integral manifold manifold system enables easy installation and expansion
- Left and Right Banks to maintain reserve supply

632-1313-01E Shown

652 Series Blendmaster 1000



652-1201 Shown

The 652 Series BlendMaster is designed to supply two component blend shielding gases for laser welding applications. The blender provides 1,000 SCFH regardless of the blend ratio, and the mixture may be changed without reducing capacity. Accurate mixing tolerances are maintained during the filling of bulk or microbulk supply sources.

Advanced Features

- Lockable Enclosure ensuring process control
- 0-100% ration adjustability process flexibility
- Wall- or Bench-Mountable ensuring installation flexibility
- EquiBlend™ Technology exceeds 1,000 SCFH for all mixes
- Pressure equalization system reduces the effects of inlet pressure fluctuations

639 Series Switchover



639-503-02 Shown

The 639 Series Assist Gas Switchover is an automatic system designed to provide a continuous supply of laser assist gas from two high pressure sources. The system comes pre-mounted on a stainless steel panel, complete with flexible pigtails form connections to bulk high pressure sources.

Advanced Features

- Primary and reserve bank automatically switches to reserve when depleted
- Optional alarm enables visual and audible notification
- High flow capacity flows up to 9,000 SCFH
- Cartridge sensor for precise pressure control

619 Series Switchover



619-000-01E Shown

The 619 Series is a semi-automatic pressure differential switchover that delivers a continuous supply of resonator gas without compromising purity. The brass barstock design offers low internal volume. This, coupled with the optional inlet micro-purge, eliminates gas contamination. In addition, the stainless diaphragms and double seal relief valve enable the 619 to achieve 1x10⁻⁹ he cc/sec leak integrity. This makes the 619 the right choice for laser applications requiring optimum beam mode quality.

Advanced Features

- Machined brass barstock body with smooth surface finish
- Low wetted surface area for minimal purge requirements
- Convuluted 316L diaphragm ensures no inboard diffusion
- Optional micro-purge ensures low dead volume space
- Internal 10-Micron filtration for low particulate
- Metal-to-metal seals ensures no leaks