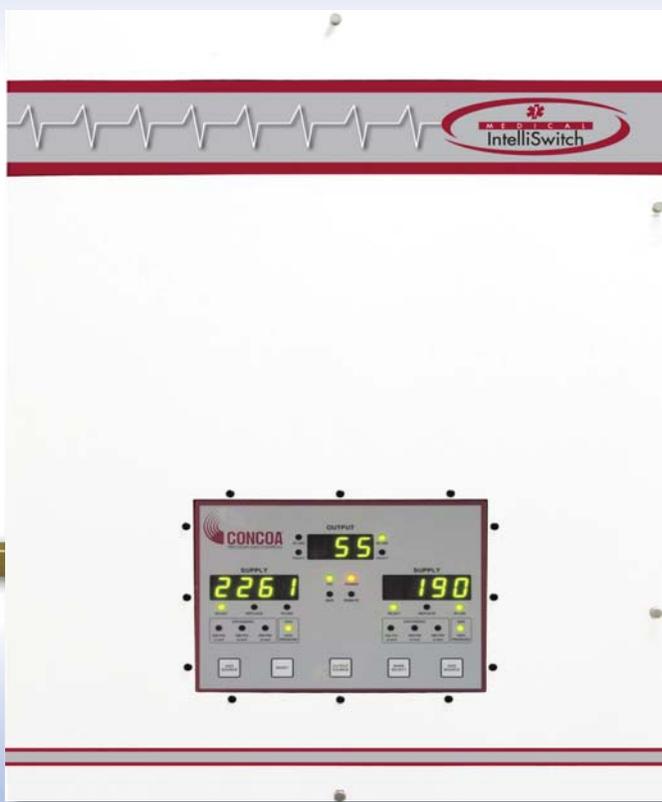




High Pressure  Liquid  Microbulk  
With a Press of a Button.



Choose high pressure, liquid, microbulk, or any combination of supply sources before, during, or after installation with ease. CONCOA's NFPA 99 2005/2012 compliant Medical IntelliSwitch manifolds can adapt to new supply modes as demand grows. For over 25 years, CONCOA has supplied the reliable and pioneering gas regulators found in most central gas supply systems. CONCOA is proud to now extend that innovation to a revolutionary new system that ensures efficient, continuous gas service regardless of the source. Manufactured and assembled in the United States, the Medical IntelliSwitch manifolds are easy to install, monitor, test, and verify by design.



**intelligent  
& universal  
gas switchover technology** by



**CONCOA**  
PRECISION GAS CONTROLS

# IntelliSwitch

## Technologically Innovative

### Universal Source

Through precise electronic monitoring and control, the universal NFPA 99 2005/2012 compliant CONCOA Medical IntelliSwitch effortlessly adapts to low and high pressure gas sources. Using proprietary economizing algorithms, the Medical IntelliSwitch ensures that a liquid secondary source is used efficiently but not emptied in an untimely fashion. The 570 and 571 Series are the only systems that can be converted to new gas sources in the field by just changing hoses, installing or removing a relief valve, and pushing a button. A supply mode can even be changed without interrupting gas supply to the line.

### Reliable High Flow Capability

For more than 25 years, the CONCOA balanced stem high flow regulator has been the gold standard for medical final pipeline control. By carefully complementing this proven design with large orifices in the switching mechanism and all ports, the Medical IntelliSwitch ensures no flow restrictions even at the lower inlet pressures typical of cryogenic sources. The maximum flow rate of a Medical IntelliSwitch is roughly 3600 SCFH at 55 PSIG (or 1800 SCFH when flowing through a single line regulator in an NFPA 99 compliant configuration.)

### Line Regulator Monitoring and Automatic Control

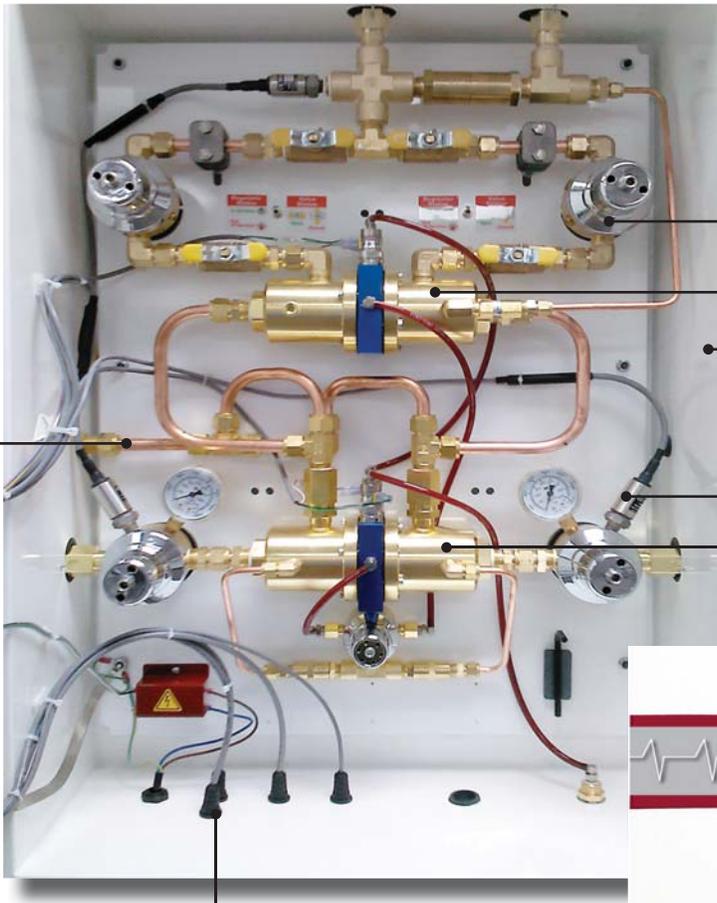
Both the 570 and 571 Series Medical IntelliSwitch manifolds monitor and report the status of final line regulation. In the unlikely event of failure, the system signals if the line pressure approaches pipeline alarm levels, providing early warning of possible problems with gas supply pressure. The 570 Series Medical IntelliSwitch also features unique automatic line regulator control that electronically switches to the backup line regulator, ensuring constant gas supply in emergent situations without user intervention.

### Communications

In addition to integrating easily with NFPA 99 master alarms, CONCOA 570 and 571 Medical IntelliSwitch systems can be networked with award-winning I-Link onboard web server technology. This feature allows remote monitoring of real-time status and e-mail notifications of alarms, operational status, and gas source supply levels. The embedded software also allows for secure remote configuration and calibration of system functions, making it ideal for managing critical medical gas applications.

# Modular and Flexible Design

CONCOA's Medical IntelliSwitch systems are easy to install. By using the 579 Series Modular Header design, the system can be mounted in stages to simplify larger installations or expansions. Alarm connections are made using keyed connectors that ensure accurate installation. The 573 Series Emergency Reserve system's right or left mounting design makes it easy to plumb. The proprietary self-test and diagnosis software makes verification of system functions and startup testing simple. CONCOA Medical IntelliSwitch systems are supported by a national network of factory-trained service technicians who provide trouble-free installation and support.



**High Flow Dual Line Regulators**

Control pressure precisely and reliably.

**Automatic Dual Line Regulator Control**

Ensures uninterrupted supply during failure without user intervention. (Available on the 570 Series only.)

**Hinged NEMA 12 Enclosure**

Affords easy access for service. Resists moisture and dust.

**High Accuracy Transducers**

Provide accurate pressure readings and precise control.

**High Flow Switching Mechanism**

Operates with any gas source. Flows from both sides in power outage.

**Side Reserve Inlet Options**

Allow easy plumbing.

**Dual Master Alarm Connectors**

Integrate easily with any master alarm.

**Large LED Pressure Display**

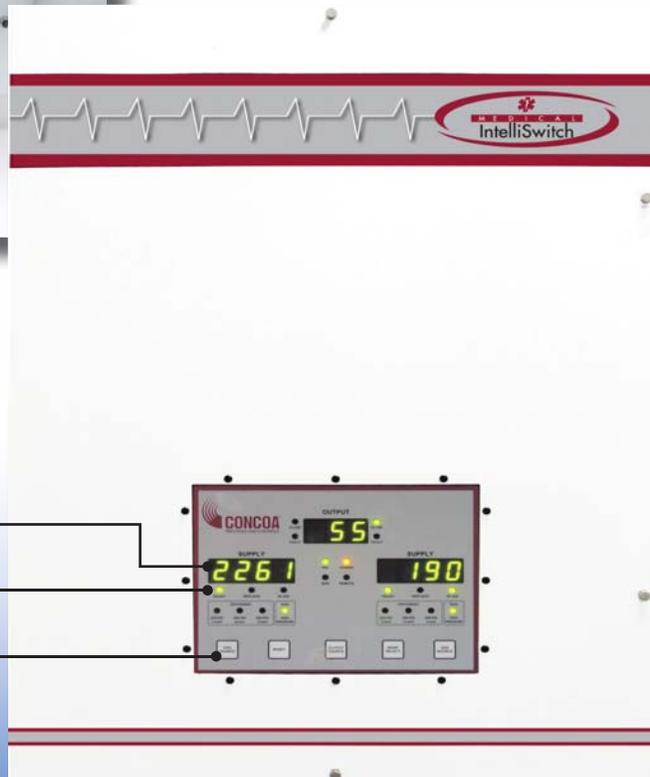
Ensures readability in any light.

**Bright LED Indicators**

Show system status, alarms, and gas source.

**Quick Reference Touch Pad**

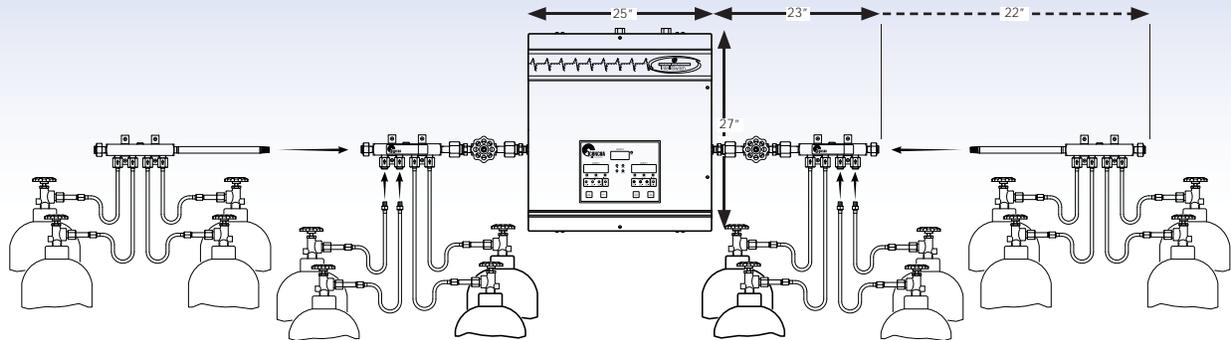
Select gas source mode and priority.



570 Series Medical IntelliSwitch Shown

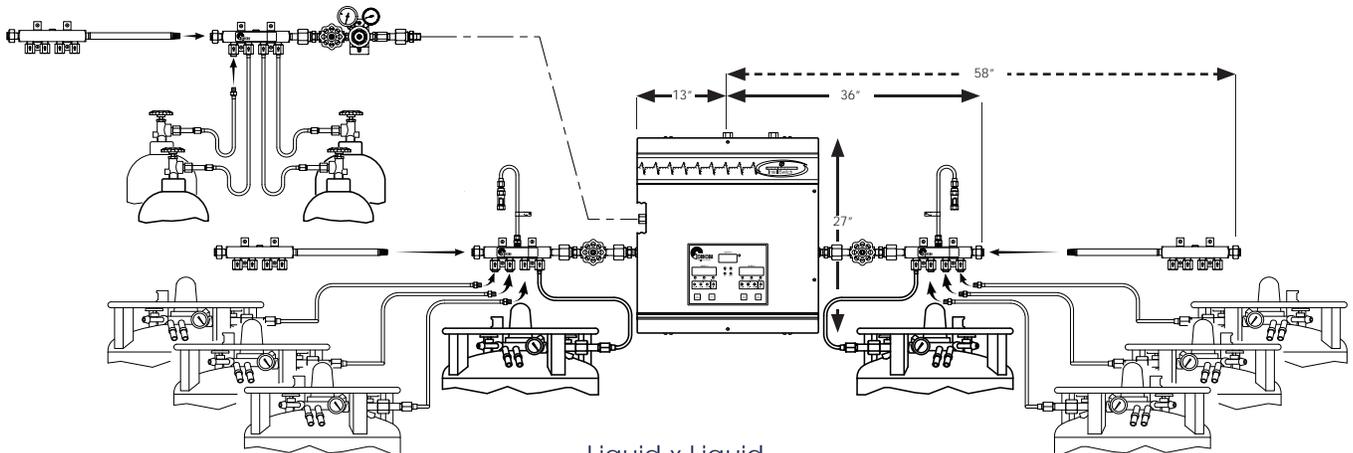
Switchover systems can be installed or converted after installation to any of these typical gas source requirements in accordance with NFPA 99 2005/2012.

## 571 Series Manifold for High Pressure Cylinders



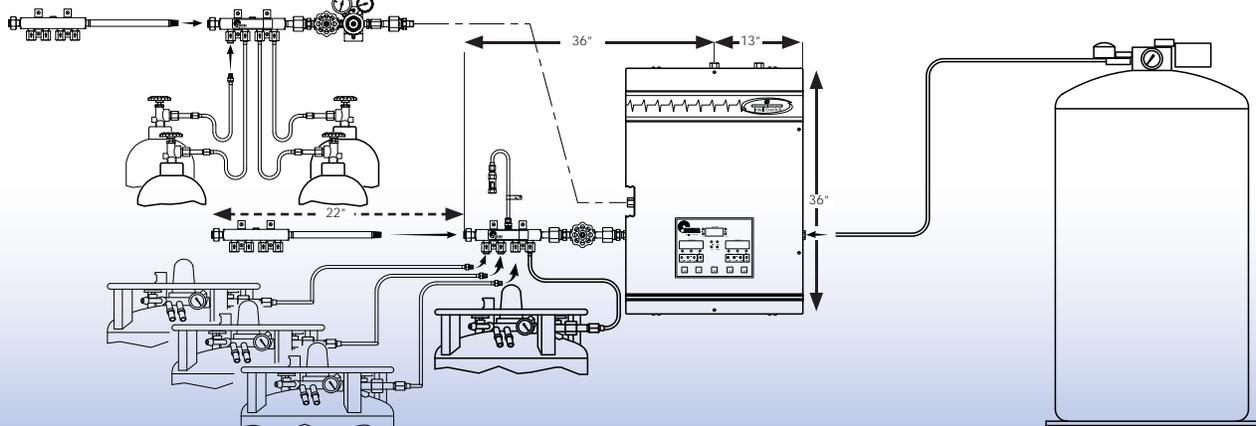
High pressure x High pressure  
2 to 24 cylinders per side

## 571 Series Manifold for Cryogenic Liquid Cylinders



Liquid x Liquid  
2 to 8 cylinders per side with 573 Series emergency reserve (3 to 24 cylinders)

## 570 Series for Microbulk Installation



Microbulk primary x Cryogenic liquid cylinder secondary  
and 573 Series emergency reserve (3 to 24 cylinders)