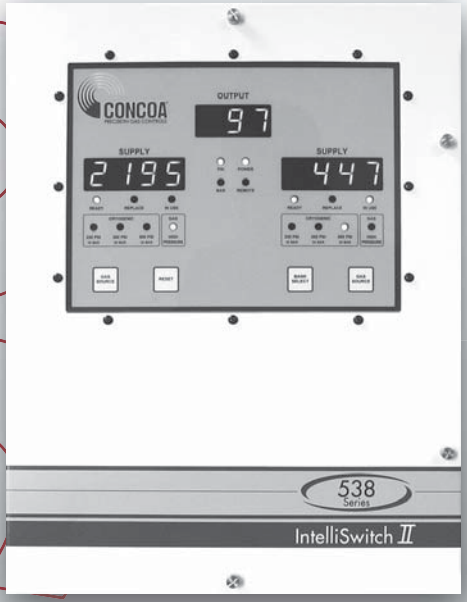
IntelliSwitch II

The fully-automatic 538 Series IntelliSwitch II™ gas switchover is CONCOA's revolutionary new generation of gas management systems. The IntelliSwitch II features an proprietary onboard I-Link web server technology allowing remote monitoring, secure system configuration, and e-mail notification of real-time system status and events. It is ideally suited to interchangeable service/ continuous supply in analytical laboratory, chemical process, instrumentation, and critical gas supply applications. The IntelliSwitch II offers continuous pressure and flow control from liquid or high pressure cylinder sources. The end-user selects the ideal mode of supply by the simple push of a button. Proprietary software logic lowers yearly gas costs by eliminating liquid cylinder vent loss and excess residual return. It is these features which make the 538 Series IntelliSwitch II the perfect gas management system.



Typical Applications

- High purity non-corrosive non-flammable gas supply
- GC and mass spec carrier and support gases
- ICP and ICP mass spec continuous gas supply
- Incubator CO_2 and Nitrogen gas supply
- Biotech, pharmaceutical and forensic gas systems
- Micro bulk changeover supply
- Central gas supply system for laboratory, research or process plants

Features

Micro-Processor Control
Fully automatic priority assignment

Remote and Field-Adjustable Software
Enables process flexibility and remote monitoring

On-Site or Remote Source Selection
Liquid cylinder or high-pressure service

On Board Web Server and Remote Software
Enables monitoring and control functions

Low Loss Technology
Reduces residual return

Electronic Economizer
Eliminates liquid cylinder vent loss

Process Gas Pilot Valve
Simple installation

RS 232 Communication
Provides remote monitoring of supply

NEMA 4 Enclosure Standard
Install anywhere

Materials

Regulator and Valve Bodies
Brass barstock

Valve Stems
316L stainless steel

Valve Seats
PCTFE

Seals
PTFE, PCTFE and Viton®

Enclosure
NEMA 4 powder-coated steel

Specifications

Power Requirements
110 or 220 VAC (terminal block provided with 1/2" conduit hole)

Maximum Inlet Pressure
3000 PSIG (210 BAR)

Temperature Range
0°F to 140°F (-18°C to 60°C)

Flow Capacity
Cv = 1.0

Filter
40 micron

Inlet Connection
1/2" FPT

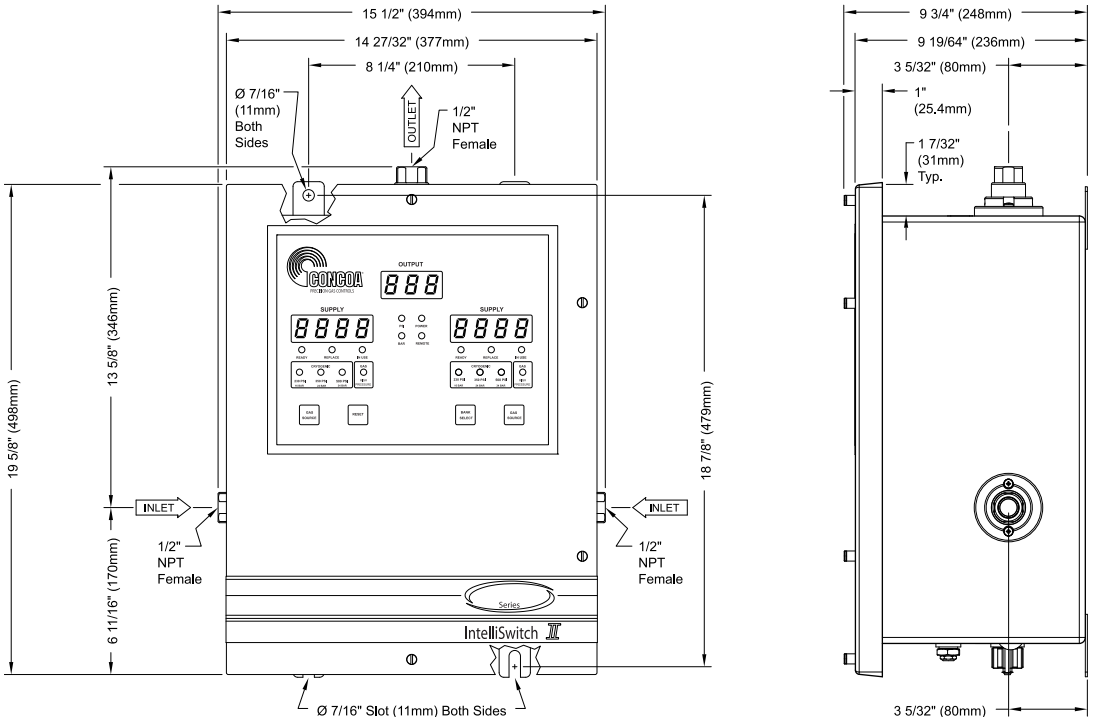
Outlet Connection
1/2" FPT

Weight
67 lbs. (30.4 kg)

CRN OH 5216.5C
(Major switching components only)

500 Series Distribution Systems

Installation Dimensions



Ordering Information

538	A	B	C	D	-CON
Series 538	Delivery Pressure	Right Side Connection	Left Side Connection	Assembly	Hose
	C: 100 PSIG with web server	**0:** 1/2" FPT port	**0:** 1/2" FPT port	**6:** 3000 PSIG inlet/120 VAC	Please specify inlet connection (if applicable) CGA DIN 477 BS 341 and others available.
	D: 150 PSIG with web server	**1:** Diaphragm valves with 36" stainless flexible hose	**1:** Diaphragm valves with 36" stainless flexible hose	**7:** 3000 PSIG inlet/240 VAC	
	E: 200 PSIG with web server	**2:** Diaphragm valves with 72" stainless flexible hose	**2:** Diaphragm valves with 72" stainless flexible hose		
		3: Manifold connector*	**3:** Manifold connector*		

** See pages 36-37 for manifold ordering information*

Options

Option	Order Number	Description
Remote Alarm	Advantium Series	Provides audible and visible notification of a depleted supply bank to a remote location (See pgs. 52-54)
Vent Manifold Kit	629 Series	Wall-mounted manifold designed to equalize liquid cylinder head pressure
Switchover Station	518 1625	Safely mount and secure any switchover and 2 cylinders
AutoSwitch Floor Stand	830 7439	Support AutoSwitch enclosure
Manifold Floor Stand	830 7437	Supports 2 standard length (12") manifold extensions installed consecutively