



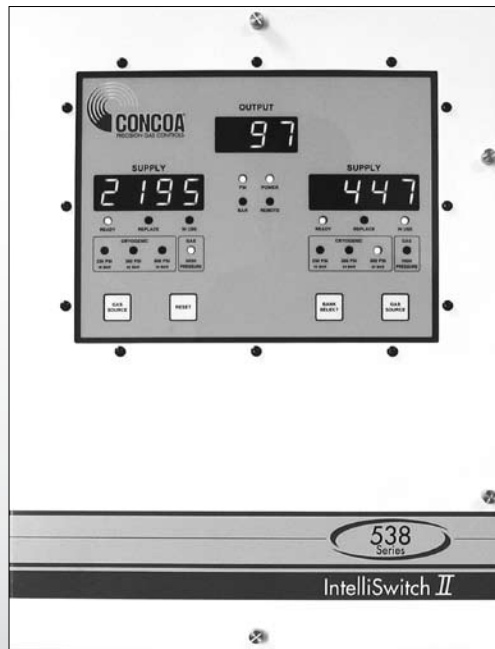
500 Series Distribution Systems

538 Series 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 onboard web server and proprietary embedded software, 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.

Advanced 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 remote 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 or 485 Communication
Provides remote monitoring of supply
- NEMA 4 Enclosure Standard
Install anywhere



Ask About Our
EXTENDED
WARRANTY
On This CONCOA Product

Additional Features

- Hinged door for easy access
- Internal delivery pressure adjustment
– eliminating possibility of tampering
- Internal, switch settable input AC power selection.
- Normally Open/Normally Closed relay contacts for alarm outputs
- Direct compatibility with CONCOA Advantium PLUS alarms
- Enhanced operating software
 - Expanded system diagnostics and troubleshooting
 - Built in transducer calibration
 - Parameter settings via web server
 - Remote monitoring via web server
 - Email capability via web server

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

Maximum Inlet Pressure
3,000 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
½" FPT

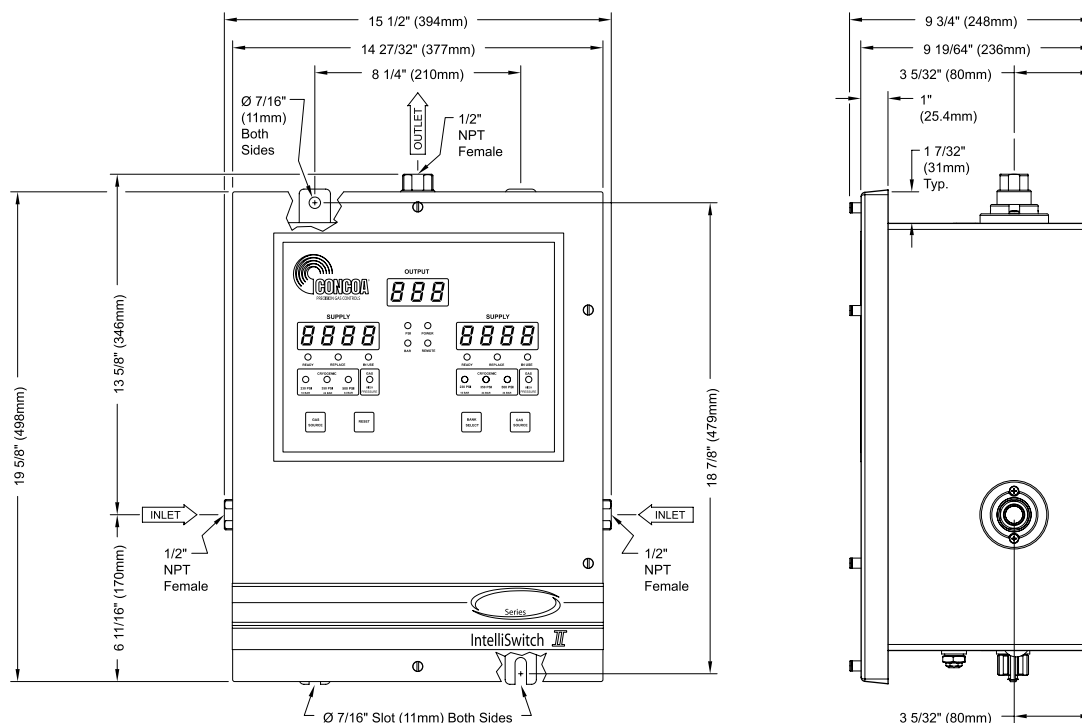
Outlet Connection
½" FPT

Weight
67 lbs. (30.4 kg)

500 Series Distribution Systems



Installation Dimensions



Ordering Information

538	A	B	C	D	-XX	-CON
Series 538	Delivery Pressure	Right Side Connection	Left Side Connection	Assembly	Assembly	Pigtail
	C: 100 PSI/with web server	0: 1/2" Female NPT Port	0: 1/2" Female NPT Port	6: 3000 PSI Inlet/120 VAC	-01: Standard	Please specify inlet connection (if applicable)
	D: 150 PSI/with web server	1: Diaphragm Valves with 36" stainless flexible pigtail	1: Diaphragm Valves with 36" stainless flexible pigtail	7: 3000 PSI Inlet/240 VAC		CGA DIN 477 BS 341 and others available.
	E: 200 PSI/with web server	2: Diaphragm Valves with 72" stainless flexible pigtail	2: Diaphragm Valves with 72" stainless flexible pigtail			
		3: Manifold Connector*	3: Manifold Connector*			

* See pages 32 and 33 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. 44-45)
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 cylinder
AutoSwitch Floor Stand	830-7439	Support AutoSwitch Enclosure
Manifold Floor Stand	830-7437	Supports 2 standard length (12") manifold extensions installed consecutively
ADI 9501	9906-9501	3000 PSI IntelliSwitch installation manual