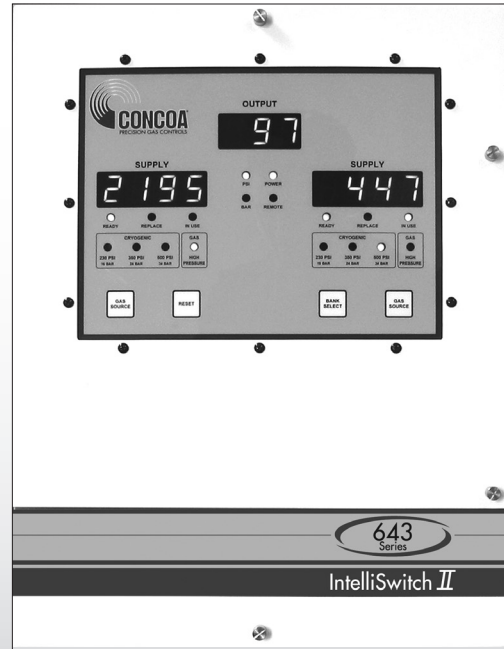




643 Series IntelliSwitch II™

- Fully Automatic Switchover
- I-LINK™ Communication
- NEMA-4 Enclosure

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 proprietary I-LINK™ communication. On board software enables remote diagnostics and real time process control. CONCOA's proven software logic lowers yearly gas costs by eliminating liquid can vent loss and excess residual return, which makes the Intelliswitch II the right choice for process and metal fabrication industries.



Advanced Features

- Integral Web Server
Enables Remote Access
- Integrated Ethernet Connectivity
Seamless network integration
- Integral Email notification
24/7 System monitoring
- Low Loss Technology
Reduces Residual Return
- Electronic Economizer
Eliminates Liquid Can Vent Loss
- NEMA-4 Cabinet
Simple Installation
- Internal Balance Stem Line Regulator
Ensures Total Process Control

Ask About Our
EXTENDED
WARRANTY
On This CONCOA Product

Applications

- Primary Steel Industry
Argon, Nitrogen, and Oxygen
- Metal Fabrication
Argon, Carbon Dioxide, Nitrogen, and Oxygen
- Chemical and Refining Industry
Nitrogen and Oxygen
- Defense and Aerospace
Argon, Carbon Dioxide, Nitrogen, or Helium

Materials

- Regulator and Valve Bodies*
Brass barstock
- Valve Seats*
Neoprene and Viton®
- Seals*
PTFE and Viton®
- Enclosure NEMA 4*
Powder-coated steel

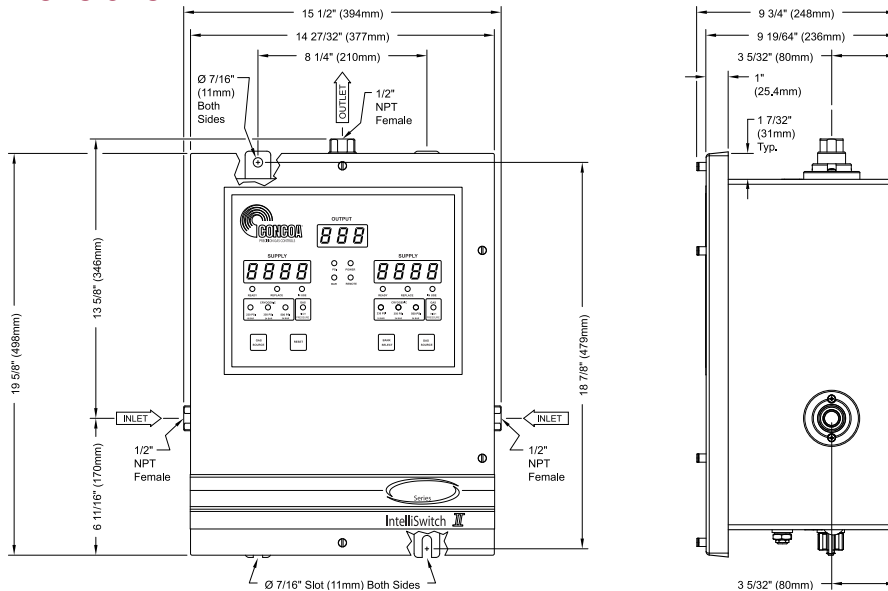
Specifications

- *Filter*
40-Micron
- *Maximum Inlet Pressure*
3,000 PSI (210 BAR)
- *Temperature Range*
0-140 Degree F
- *Mechanical Connections*
½" Female NPT in and outlet
⅛" Female NPT (external pilot inlet)
- *Communication Connectivity*
Two channel NO/NC output relay
alarm contacts
RS-232 or RS-485 output connector
Ethernet port
- *Weight*
67 Lbs.
- *Flow Capacity*
Cv = 1.0
- *Power Requirements*
Selectable 110 or 220 VAC

Assist Gas Supply



Installation Dimensions



Assist Gas Supply

Ordering Information

643	A	B	C	D	E	F	G	H
Series 643	Delivery Pressure	Inlet Connection	Switchover Pressure Settings	Assembly	Left Bank No. Stations	Left Bank No. of Stations	Right Bank No. Stations	Right Bank No. of Stations
	3: 100 PSI/with web server	0: No Inlet Connection	0: Factory Default	6: 3000 PSI Inlet/120 VAC	0: 1/2" FPT Port	0: No Pigtails	0: 1/2" FPT Port	0: No Pigtails
	4: 200 PSI/with web server	1: CGA 580 Inert Gas	1: 100 PSI	7: 3000 PSI Inlet/240 VAC	2: Single 72" Pigtail†	1: One Station	2: Single 72" Pigtail†	1: One Station
	5 400 PSI/with web server	2: CGA 320 CO ₂	2: 150 PSI		3: Master Valve with Single 72" Pigtail†	2: Two Stations	3: Master Valve with Single 72" Pigtail†	2: Two Stations
		3: CGA 540 Oxygen	3: 200 PSI		4: MicroManifold with 72" Pigtails†	3: Three Stations	4: MicroManifold with 72" Pigtails†	3: Three Stations
		4: CGA 346 Air	4: 250 PSI		5: Master Valve with MicroManifold and 72" Pigtails†	4: Four Stations	5: Master Valve with MicroManifold and 72" Pigtails†	4: Four Stations
		5: CGA 590 Industrial Air	5: 300 PSI		6: 628 Manifold with 36" Pigtails†	5: Five Stations	6: 628 Manifold with 36" Pigtails†	5: Five Stations
		6: Din6 (Inert, He & CO ₂)	6: 350 PSI			6: Six Stations		6: Six Stations
		7: Din9 (Oxygen)	7: 400 PSI			7: Seven Stations		7: Seven Stations
		8: DIN 10 (Nitrogen)	8: 425 PSI			8: Eight Stations		8: Eight Stations
		9: BS 3 (Air, Argon, Helium, Neon, Oxygen, Xenon)						
		A: BS 8 (CO ₂)						
	C: TH0 - No Inlet Connection with Tethered Pigtail							

* Valid with F=0 Only
† PTFE Core Pigtails

* Valid with F=0 Only
† PTFE Core Pigtails

Options

Option	Order Number	Description
ADI 9501	9906-9501	3000 PSI IntelliSwitch installation manual