



641 Series IntelliSwitch™

The fully-automatic 641 Series IntelliSwitch™ Gas Switchover is CONCOA's next generation of gas management systems. The IntelliSwitch™ 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 641 Series IntelliSwitch™ the perfect gas management system.

Advanced Features

- *Micro-Processor Control*
Fully automatic priority assignment
- *Field Adjustable Software*
Enables process flexibility
- *On-Site Source Selection*
Liquid cylinder or high-pressure service
- *Low Loss Technology*
Reduces residual return
- *Electronic Economizer*
Eliminates liquid cylinder vent loss
- *Process Gas or Air Actuated Pilot Valve*
Simple installation
- *RS 232 or 485 Communication*
Provides remote monitoring of supply



Ask About Our

EXTENDED
WARRANTY

On This CONCOA Product

Applications

Assist Gas Delivery from Liquid

Cylinder Supply

Nitrogen
Oxygen

Assist Gas Delivery from High Pressure Supply

Air
Nitrogen
Oxygen

Assist Gas Delivery from Micro-Bulk or Bulk Supply

Nitrogen
Oxygen

Laser Welding Shielding Gases

Argon
Carbon Dioxide
Helium

Materials

Bodies

Brass barstock

Seats

PCTFE or Viton®

Seals

Viton®, Neoprene, and PTFE

Enclosure

Powder Coated Steel

Specifications

Power Requirements

110 or 220 VAC

Maximum Inlet Pressure

3,000 PSIG (210 BAR) or
4,500 PSIG (310 BAR)

Temperature Range

0 to 140°F (-18° to 60°C)

Filter

40-micron

Connections

½" FPT inlet and outlet
⅛" FPT (external pilot inlet)

Cv

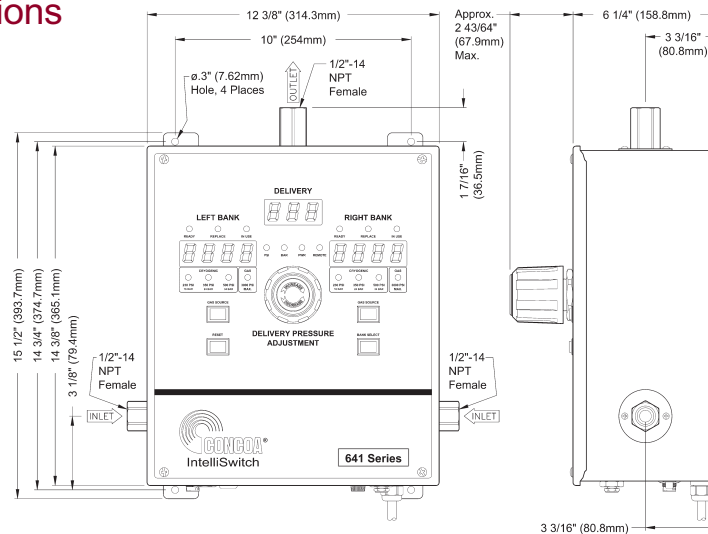
2.0 (3,000 PSIG max)
1.0 (4,500 PSIG max)

Weight

67 lbs. (30.4 kg)

Assist Gas Supply

Installation Dimensions



Ordering Information

641-	A	B	0	D	E	F	G	H
Series 641	Delivery Pressure	Inlet Connection		Assembly	Left Bank Inlet Connection	Left Bank Number of Stations	Right Bank Inlet Connection	Right Bank Number of Stations
	3: 100 PSIG	0: No Inlet Connection		0: 3000 PSIG/110 VAC External Pilot*	1: 1/2" FPT Port*	0: 1/2" FPT Port	1: 1/2" FPT Port*	0: 1/2" FPT Port
	4: 200 PSIG	1: CGA 580 Inert Gas		1: 3000 PSIG/220 VAC External Pilot*	2: Single 72" Pigtail†	1: 1 Station	2: Single 72" Pigtail†	1: 1 Station
	5: 400 PSIG	3: CGA 540 Oxygen		2: 3,000 PSIG/110 VAC Internal Pilot	3: Master Valve with Single 72" Pigtail†	2: Two Stations	3: Master Valve with Single 72" Pigtail†	2: Two Stations
		4: CGA 346 Air		3: 3,000 PSIG/220 VAC Internal Pilot	4: MicroManifold with 72" Pigtails†	3: Three Stations	4: MicroManifold with 72" Pigtails†	3: Three Stations
		5: CGA 590 Industrial Air		4: 4,500 PSIG/110 VAC External Pilot*	5: Master Valve with MicroManifold and 72" Pigtails†	4: Four Stations	5: Master Valve with MicroManifold and 72" Pigtails†	4: Four Stations
		A: CGA 680 Inert Gas		5: 4,500 PSIG/220 VAC External Pilot*	6: 628 Manifold with 36" Pigtails†‡	5: Five Stations	6: 628 Manifold with 36" Pigtails†‡	5: Five Stations
		B: CGA 347 Air				6: Six Stations		6: Six Stations
		Foreign inlets available upon request.		*Regulator for external source not included	*Valid with F=0 Only	7: Seven Stations	*Valid with H=0 Only	7: Seven Stations
			†PTFE Core Pigtails		†PTFE Core Pigtails	8: Eight Stations	†Not valid with 4,500 PSIG Max Inlet	8: Eight Stations
			‡Not valid with 4,500 PSIG Max Inlet					

Related Options

Option	Order Number	Description
Remote Alarm	Advantium Series	Provides audible and visual notification of a depleted supply bank to a remote location
Vent Manifold Kit	629 Series	Wall-mounted manifold designed to equalize liquid cylinder head pressure.
AutoSwitch Floor Stand	830-7439	Support AutoSwitch Enclosure
Manifold Floor Stand	830-7437	Supports 2 standard length (12") manifold extensions installed consecutively