GAS SWITCHOVER SYSTEMS



642 Series IntelliSwitch™II

The web-enabled IntelliSwitch II gas switchover is CONCOA's solution for integrated gas management systems. Intelliswitch II offers continuous pressure and flow control from liquid or high-pressure cylinder sources, selectable by a simple push of a button or remotely via the on-board web server. CONCOA's proven software logic lowers yearly gas costs by eliminating liquid cylinder vent loss and excess residual return.

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 cylinder vent loss

NEMA-4 Cabinet

Simple installation

Internal Balance Stem Line Regulator

Ensures total process control

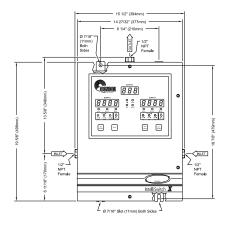


Applications Materials Specifications Primary Steel Industry Maximum Inlet Pressure Regulator and Valve Bodies 3,000 PSIG (210 BAR) Argon, Nitrogen, and Oxygen Brass barstock **Metal Fabrication Temperature Range** Valve Seats 0 to 100°F (-18 to 40°C) Argon, Carbon Dioxide, Nitrogen, and Viton® and PCTFE Filter Seals Chemical and Refining Industry 40-Micron PTFE, PCTFE and Neoprene Air, Nitrogen, and Oxygen **Mechanical Connections Enclosure (NEMA 4) Defense and Aerospace** 1/2" FNPT inlet and outlet Powder-coated steel Air, Argon, Carbon Dioxide, Nitrogen, or **Communication Connectivity Hose Core** Helium Two channel NO/NC output relay alarm PTFF contacts **Hose Fittings** Ethernet port Brass Weight **Hose Casing** 67 Lbs. (30 kg) Stainless steel armor-cased Cv 1.0 **Power Requirements** 110 or 240 VAC (terminal block with 1/2" conduit hole) CRN 0H17950.5 (0H17255.52 in Alberta)

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Installation Dimensions





Series	Outlet Pressure	Hose Cylinder Connection	Pressure Settings	Assembly	-Left Bank Inlet Connection	Left Bank No. of Stations	Right Bank Inlet Connection	Right Bank No. of Stations
642	3: 0-100 PSIG (0-7 BAR)	0: No Inlet Connection	0: Factory Default	7: 3000 PSIG Inlet	1: 1/2" FNPT Port*	0: ½" FNPT Port	1: ½" FNPT Port*	0: ½" FNPT Port
	4: 0-150 PSIG (0-10 BAR)	1: CGA 580 (Inert Gas)	1: 100 PSIG (7 BAR)		2: Single 72" Hose	1: One Station	2: Single 72" Hoses	1: One Station
	5: 0-200 PSIG (0-15 BAR)	2: CGA 320 (Carbon Dioxide)	2: 150 PSIG (10 BAR)		3: Master Valve with Single 72" Hose	2: Two Stations	3: Master Valve with Single 72" Hoses	2: Two Stations
		3: CGA 540 (Oxygen)	3: 200 PSIG (15 BAR)		4. MicroManifold with 72" Hoses	3: Three Stations	4.MicroManifold with 72" Hoses	3: Three Stations
		4: CGA 346 (Air)	4: 250 PSIG (17 BAR)		5: Master Valve with MicroManifold and 72" Hoses	4: Four Stations	5: Master Valve with MicroManifold and 72" Hoses	4: Four Stations
		5: CGA 590 (Industrial Air)	5: 300 PSIG (20 BAR)		6: 628 Manifold with 36" Hoses	5: Five Stations	6: 628 Manifold with 36" Hoses	5: Five Stations
		6: DIN 6 (Inert, Helium, & Carbon Dioxide)	6: 350 PSIG (25 BAR)			6: Six Stations		6: Six Stations
		7: DIN 9 (Oxygen)	7: 400 PSIG (28 BAR)			7: Seven Stations		7: Seven Stations
		8: DIN 10 (Nitrogen)	8: 425 PSIG (30 BAR)			8: Eight Stations		8: Eight Stations
		9: BS 3 (Air, Argon, Helium & Oxygen)						
		A: BS 8 (Carbon Dioxide)						
		C: No Inlet Connection with Tethered Hose			* Valid with Left Bank No. of Stations = 0 Only		* Valid with Right Bank No. of Stations = 0 Only	

Related Options Part Number Option Description 575 0025-01-000 Altos 2 Alarm Provides audible and visible notification of a depleted supply bank to a remote location (See page 46) 629 Series Vent Manifold Kit Wall-mounted manifold designed to equalize liquid cylinder head pressure. 518 1625 Switchover Station Safely mount and secure any switchover 830 7439 AutoSwitch Floor Stand Support AutoSwitch enclosure 830 7437 Manifold Floor Stand Supports two standard length (12") manifold extensions installed consecutively