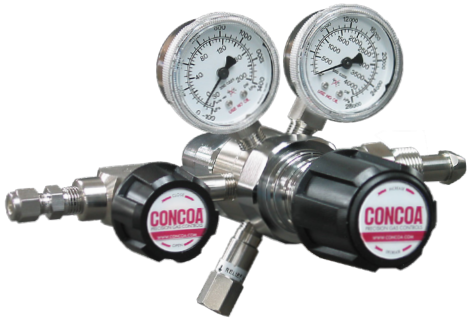
CONCOA
PRECISION GAS CONTROLS

SCIENTIFIC
RESEARCH APPARATUS

400 Series Single and Dual Stage Ultra-High Purity Regulators



4323331-01-580 shown

CONCOA 400 Series regulators provide primary and point-of-use pressure control of ultra-high purity, toxic, or corrosive gases (up to grade 6.0+). These cleanroom assembled regulators are ideal for critical laboratory applications.

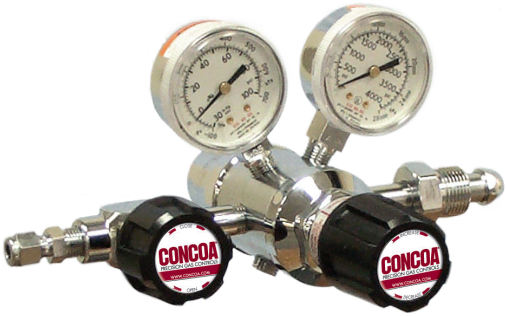
Advanced Features

- 1 x 10^{-9} scc/sec helium leak integrity
- 316L stainless steel diaphragms
- Metal-to-metal diaphragm seals
- Brass, chrome-plated brass, or 316L stainless steel barstock bodies
- Pressure ranges 0-15 to 0-500 PSIG (0-1 to 0-34 BAR)

For more information on 400 Series regulators visit

www.concoa.com/400-series

300 Series Single and Dual Stage High Purity Regulators



3122331-01-580 shown

CONCOA 300 Series regulators offer primary and point-of-use pressure control of high purity inert or corrosive gases (up to grade 5.5). These compact, machined body regulators are suitable for almost all scientific applications.

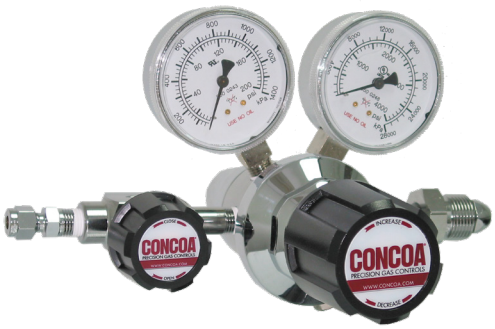
Advanced Features

- 1 x 10^{-8} scc/sec helium leak integrity
- 316L stainless steel diaphragms
- Low wetted surface area
- Brass, chrome-plated brass, or 316L stainless steel barstock bodies
- Pressure ranges 0-15 to 0-500 PSIG (0-1 to 0-34 BAR)

For more information on 300 Series regulators visit

www.concoa.com/300-series

200 Series Single and Dual Stage High Purity Regulators



2123331-01-580 shown

CONCOA 200 Series regulators provide primary and point-of-use pressure control for high purity, non-corrosive, or gas phase cryogenic liquid (up to grade 4.5). These general purpose regulators offer exceptional economy and efficiency in laboratory applications.

Advanced Features

- 1 x 10^{-8} scc/sec helium leak integrity
- Large convoluted diaphragm
- High flow capacity
- Chrome-plated forged brass bodies
- Pressure ranges 0-15 to 0-200 PSIG (0-1 to 0-14 BAR)

For more information on 200 Series regulators visit

www.concoa.com/200-series

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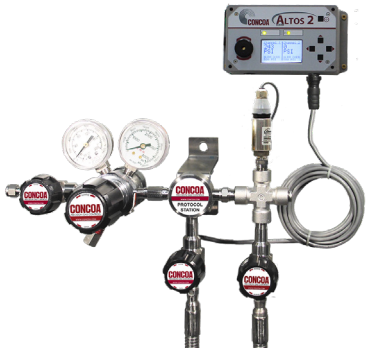
1.800.225.0473 - www.CONCOA.com

529 Series Protocol Stations



5290156-01-660 with regulator and optional Altos 2 alarm shown

CONCOA 529 Series Protocol Stations, available in single or dual cylinder configurations with or without alarm or purge, provide flexible mounting, prevent regulator damage, and improve safety. When configured with any CONCOA regulator, 529 Series Protocol Stations permit primary control of high purity gas sources while ensuring safe and efficient cylinder changeover.

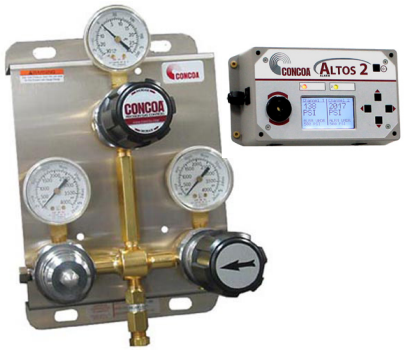
Advanced Features

- Protocol purge option for safe inlet purging
- Protocol alarm option monitors gas supply
- Dual cylinder option permits primary and reserve supply source

For more information on 529 Series Protocol Stations visit

www.concoa.com/529-protocol

Open Style Pressure Differential Switchover Solutions



526702G-01-001 switchover with optional Altos 2 alarm shown

CONCOA pressure differential switchovers deliver a continuous supply of high purity gas (up to grade 6.0+). Systems include either flexible hoses for up to two cylinders or manifold connectors for use with the Maniflex Modular Manifold System. In fail-safe applications, the optional Altos 2 annunciator offers remote monitoring and alarm notification of impending switchover.

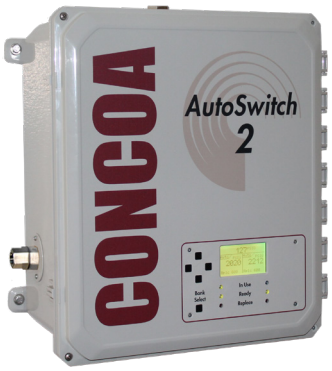
Advanced Features

- Metal-to-metal diaphragm seals
- Check valves in hose inlet glands
- Optional integral line regulator

For more information on pressure differential switchovers visit

www.concoa.com/switchovers

AutoSwitch 2 Fully Automatic Switchover Systems



5821101-01-001 shown

The 582 and 583 Series AutoSwitch 2 electronic gas delivery systems for ultra-high purity gas in laboratory or process plant applications automatically change priority between high pressure cylinder sources without pressure fluctuations to the use line. Designed without solenoid valves in the gas stream, the AutoSwitch 2 offers fully automatic priority assignment with 1 x 10^{-8} scc/sec helium leak integrity.

Advanced Features

- 316L stainless steel diaphragms
- Encapsulated seat with 360° filtration
- Metal-to-metal diaphragm seals

For more information on AutoSwitch systems visit

www.concoa.com/autoswitch-2

IntelliSwitch Universal Gas Management Systems

538D007-01-001 shown

The fully automatic computer-controlled family of IntelliSwitch gas management switchovers provides continuous pressure and flow control from liquid or high pressure cylinder sources. Proprietary software logic yields 97% utilization from the liquid cylinder primary and eliminates vent loss from the reserve cylinder.

Advanced Features

- Automatic priority assignment
- Field adjustable parameters
- On site or remote monitoring

For more information on IntelliSwitch systems visit

www.concoa.com/intelliswitch

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Integrated Gas Cabinets and Safety Devices

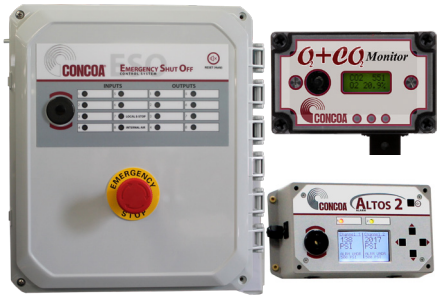
custom integrated gas cabinet shown

CONCOA integrated gas cabinet systems safely store and isolate flammable or toxic gas cylinders while protecting the mounted gas supply system. To ensure design intent, CONCOA engineers provide submittal drawings of cabinet system configuration, layout, and components for client approval and perform system validation before shipment. Completed with the appropriate gas delivery equipment and safety device options, CONCOA integrated gas cabinet systems meet application specific requirements to ensure regulatory compliance and performance.

For more information on gas cabinets and safety devices visit

www.concoa.com/gas-cabinets

Lab Safety Alarms and Monitors



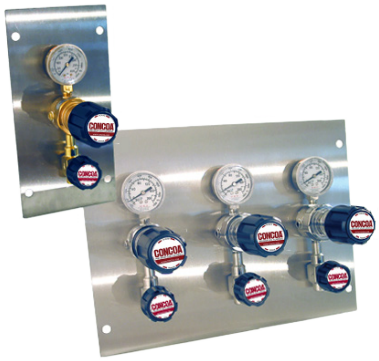
5851008 ESO controller, 5803007 O_2/CO_2 monitor, and 5750025-01-24V Altos 2 shown

The Altos 2 system annunciator receives contact or transducer input and provides audio, LED, and contact output for remote monitoring of pressure levels and notification of impending switchover. In environments using or storing high purity, toxic, or combustible gases, 580 Series gas detectors with long-life sensors trigger alarms should gas levels pose a hazard. With networking and email capability, the CONCOA 585 Series emergency shut-off controller provides automatic shutdown of up to eight independent gas sources.

For more information on gas monitors and alarms visit

www.concoa.com/lab-safety

Point-of-Use Equipment



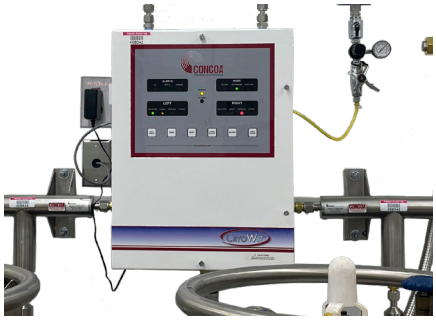
54C3330-01-001 and 54S5000-01-001 Point-of-Use Panels shown

53, 54, and 55 Series Point-of-Use Panels provide final line pressure control in high purity applications. Point-of-Use Panels allow the laboratory to operate multiple instruments from a common source. The 55 Series Point-of-Use Panel, with 300 Series regulators, is ideal for final delivery in incubation and cell culture applications. Available in various installation and orientation options, including custom designs to meet user specific requirements, CONCOA Point-of-Use Panels allow for flexibility in configuring and adapting to specific needs in laboratory applications.

For more information on Point-of-Use equipment visit

www.concoa.com/point-of-use

Cryopreservation Supply Systems



577 with 57V 2x2 and 52L vent kit shown

CONCOA designs and builds cryogenic solutions featuring the proprietary CryoWiz™ switchover and custom downstream vacuum-jacketed piping for a complete cryogenic nitrogen solution. CONCOA's patented technology reduces unnecessary venting while offering both "on demand" mode for cryogenic storage and “keepfull” operation for control rate freezers. For critical cryogenic applications, CONCOA custom-designed cryogenic solutions ensure the most efficient and economical transfer of cryogenic liquids.

For more information on cryogenic solutions visit

www.concoa.com/cryogenics

More Products and Information Available at www.CONCOA.com

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400 Series SilcoNert® 2000 Regulators

4203331-01-330 shown

CONCOA 420/430 Series SilcoNert 2000 treated regulators offer pressure control in parts per million (ppm) and parts per billion (ppb) precision for stringent NO_X and SO_X applications.

For more information on SilcoNert treated solutions visit

www.concoa.com/treated

400 Series Nickel-Plated Regulators

4552332-01-330 shown

The 455 Series electroless nickel-plated regulator is designed for applications involving sulfide and chloride compounds. Passivation for fluorinated compounds is also available.

For more information on 455 Series regulators visit

www.concoa.com/455-series

400 Series High Flow Regulators

4853311-01-580 and 4844006-01-000 shown

The 483/484 Series pipeline and 485/486 Series manifold regulators provide high flow in high purity gas applications. The balanced stem seat design ensures steady outlet pressure.

For more information on high flow regulators visit

www.concoa.com/high-flow

400 Series High Pressure Regulators

4923921-01-350 shown

The 492/493 Series single stage regulators for ultra-high pressure applications offer maximum inlet and outlet pressure of 6,000 PSIG (415 BAR) with very low static and high leak integrity.

For more information on high pressure regulators visit

www.concoa.com/high-pressure

300 Series Medical Laboratory Regulators

3155331-01-580 shown

CONCOA 305 and 315 Series regulators with a standard 2-15 LPM flowgauge calibrated for carbon dioxide or a custom 2-15 LPM flowgauge are ideal for blood gas analysis.

For more information on medical laboratory regulators visit

www.concoa.com/med-lab

300 Series Electrically-Heated Regulators

3083331-01-320 shown

The 308 Series electrically heated regulators alleviate flow reduction by eliminating freeze-up associated with high flows of carbon dioxide or nitrous oxide in critical laboratory applications.

For more information on electrically heated solutions visit

www.concoa.com/e-heated

300 Series Lecture Bottle Regulators

3253351-01-180 shown

The compact 325 Series regulators provide pressure regulation of non-corrosive gases in lecture bottles for educational, laboratory, and research applications.

For more information on lecture bottle regulators visit

www.concoa.com/lecture-bottle

200 Series Low Pressure Regulators

2131331-01-580 shown

The 203 and 213 Series cylinder regulators deliver high purity, non-corrosive, or liquefied gases in applications requiring delivery pressures as low as 0.1 PSIG (7 mBAR).

For more information on low pressure regulators visit

www.concoa.com/low-pressure

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