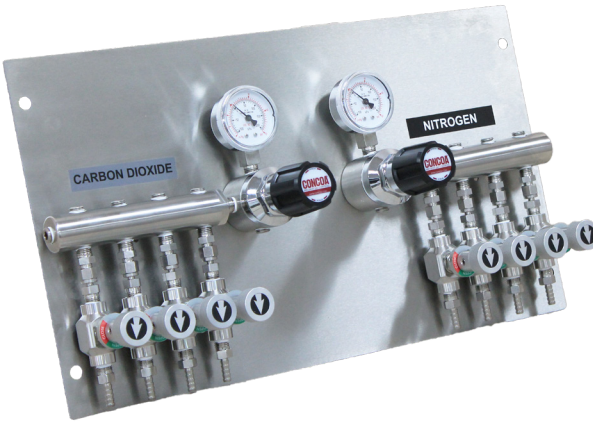
55 Series Point-of-Use Panels

The 55 Series Point-of-Use Panels provide final pressure control for one or two gases and independent isolation control for up to four streams of each gas. In incubator applications, the panels regulate final line pressure and deliver individual isolation for up to four streams of carbon dioxide and nitrogen, allowing a single panel to supply up to four individual incubators or two dual-stack incubators. Capable of managing full cylinder pressure, the panels maintain stable, continuous operation despite upstream supply fluctuations. Available in either stainless steel (55S) or chrome-plated brass (55C), CONCOA 55 Series panels with integrated 300 Series high purity single-stage regulators deliver precise final line pressure in incubation and cell culture applications.



55S2424-01-31A shown

Typical Applications

- High Purity Gas Control
- Cell Culture Incubator Carbon Dioxide and Nitrogen
- Central Gas Supply System for Laboratory, Research, or Process Plants

Features

Custom Configured Modular Design permits installation and operation flexibility

High Purity Diaphragm Outlet Valve ensures reliable gas flow control and positive shut-off

Dual Surface Stainless Steel Diaphragm permits high accuracy and no inboard diffusion

Left or Right-hand Regulator Options allow customized installation

Front or Rear Entry Regulator Inlet Port Options enable on or in-wall piping

Chrome-plated (55C) or Stainless Steel (55S) Option permits a wide variety of high purity applications

Optional Pipe-away Relief Valve provides fail-safe pressure control and vents exhaust gas safely

Materials and Specifications

Max Inlet Pressure: 3000 PSIG (210 BAR)

Regulator and Valve Bodies: Chrome-plated brass barstock (55C); 316L stainless steel (55S)

Bonnet: Chrome-plated die-cast zinc

Gauges: 2" (50mm) plated case, plated stem and phosphor bronze tube (55C); 2" (50mm) stainless steel case, stainless steel stem and tube (55S)

Filter: 10-micron sintered bronze (55C); 10-micron 316L stainless steel mesh (55S)

Diaphragm: 316L Stainless steel (regulator); Elgiloy® (valve)

Temperature Range: -40°F to 140°F (-40°C to 60°C)

Inlet/Outlet Connections: 1/4" FNPT

Helium Leak Integrity: 1×10^{-8} scc/sec

Seat: PTFE (regulator); PCTFE (valve)

Internal Seals: PTFE

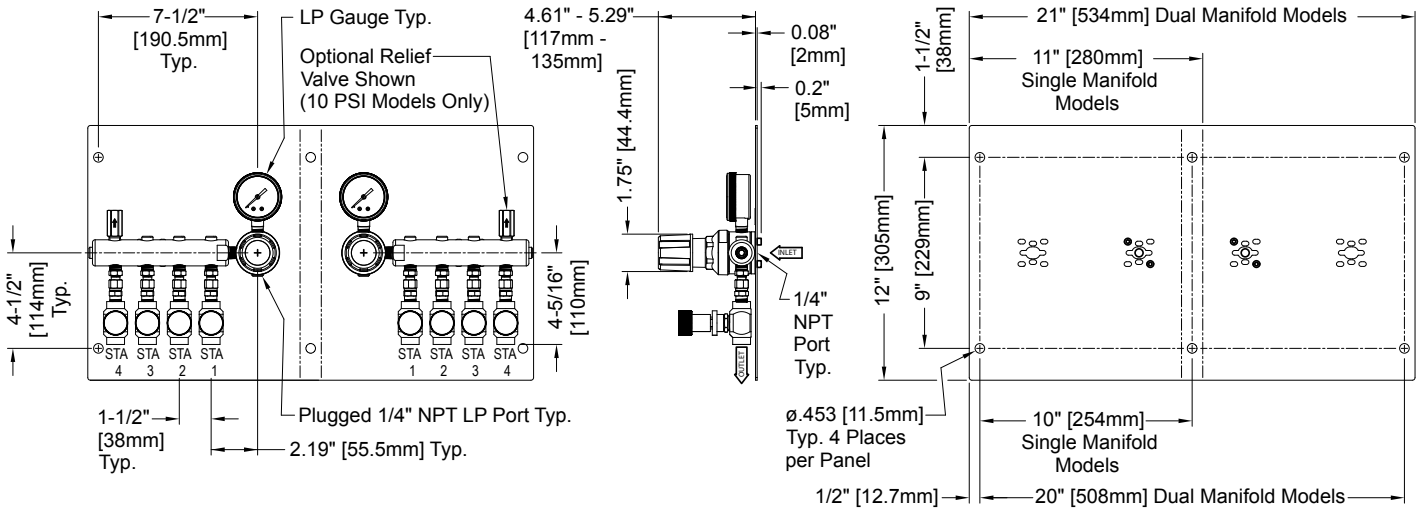
Panel: 14-gauge 304 stainless steel

Cv: 0.1

Conformances: Cleanliness meets or exceeds CGA G-4-1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216.5

55 Series Point-of-Use Panels

Installation Dimensions



55S 9494-01-010 shown

Ordering Information

		A	B	C	D	E	F	G
	Material	Left Side Outlet Pressure	Left Side Outlet Valves	Right Side Outlet Pressure	Right Side Outlet Valves	Outlet Connections	Valve Type	Orientation (L / R) and Gas Service Label
Series 55	**C:** Chrome-plated brass barstock 307 Series regulators	**0:** None	**0:** None	**0:** None	**0:** None	**0:** None	**1:** Diaphragm	**0:** Rear Inlet No labels
	S: 316L stainless steel 327 Series regulators	**1:** 0-15 PSIG (PSIG/kPa)	**1:** One	**1:** 0-15 PSIG (PSIG/kPa)	**1:** One	**1:** 1/4" tube		**1:** Rear Inlet Carbon Dioxide only* Carbon Dioxide (L) / Nitrogen (R)†
		2: 0-30 PSIG (PSIG/kPa)	**2:** Two	**2:** 0-30 PSIG (PSIG/kPa)	**2:** Two	**2:** 1/8" tube		**2:** Rear Inlet Nitrogen only* Nitrogen (L) / Carbon dioxide (R)†
		3: 0-50 PSIG (PSIG/kPa)	**3:** Three	**3:** 0-50 PSIG (PSIG/kPa)	**3:** Three	**3:** 1/4" hose barb		**A:** Front Inlet No labels
		5: 0-100 PSIG (PSIG/kPa)	**4:** Four	**5:** 0-100 PSIG (PSIG/kPa)	**4:** Four	**4:** 6mm tube		**B:** Front Inlet Carbon Dioxide only* Carbon Dioxide (L) / Nitrogen (R)†
		9: 0-10 PSIG with relief valve* (PSIG/kPa)		**9:** 0-10 PSIG with relief valve* (PSIG/kPa)				**C:** Front Inlet Nitrogen only* Nitrogen (L) / Carbon dioxide (R)†
		A: 0-15 PSIG (BAR/PSIG)		**A:** 0-15 PSIG (BAR/PSIG)				** = A or C = 0*
		B: 0-30 PSIG (BAR/PSIG)		**B:** 0-30 PSIG (BAR/PSIG)				*† = A and C ≠ 0*
		C: 0-50 PSIG (BAR/PSIG)		**C:** 0-50 PSIG (BAR/PSIG)				
		E: 0-100 PSIG (BAR/PSIG)		**E:** 0-100 PSIG (BAR/PSIG)				
		J: 0-10 PSIG with relief valve* (BAR/PSIG)		**J:** 0-10 PSIG with relief valve* (BAR/PSIG)				
		**Set at 20 PSIG*		**Set at 20 PSIG*				