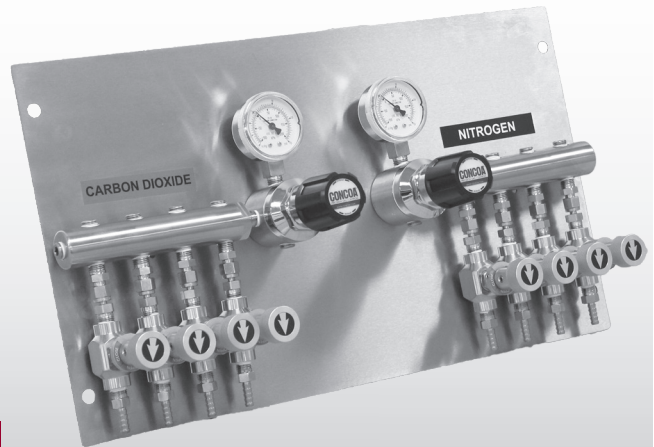




# 55C SERIES

## Point-of-Use Panels

The 55 Series Point of Use Panel provides final line pressure control for one or two gases and individual isolation control for up to four streams of each gas. Ideally suited to supply carbon dioxide and nitrogen to incubators, the panel features high purity regulators and isolation valves with metal diaphragms and  $1 \times 10^{-8}$  scc/sec Helium leak integrity. Capable of regulating full cylinder pressure, the panel ensures safe use in the event of a failure upstream. Additionally, an optional pipe-away relief valve prevents damage to the instrument in the unlikely event of panel regulator failure. With a wide variety of installation and orientation options, the 55 Series Point of Use Panel is an ideal choice for final delivery of gases in cell culture applications.



55C 1414-01-311 shown

### Typical Applications

- Cell culture incubators
- High purity gas control
- Bioreactors

### Features

- 304/307 Series Regulators**  
Compatible with high purity gas
- Modular Isolation Valve Design**  
Application flexibility
- Front and Rear Regulator Inlet Options**  
On-or-in-wall piping
- Left or Right Hand Regulator Options**  
Customizable Installation
- High-Purity Diaphragm Outlet Valves**  
Reliable flow control and positive shut-off
- Dual Surface Stainless Steel Diaphragms**  
High accuracy and no inboard diffusion

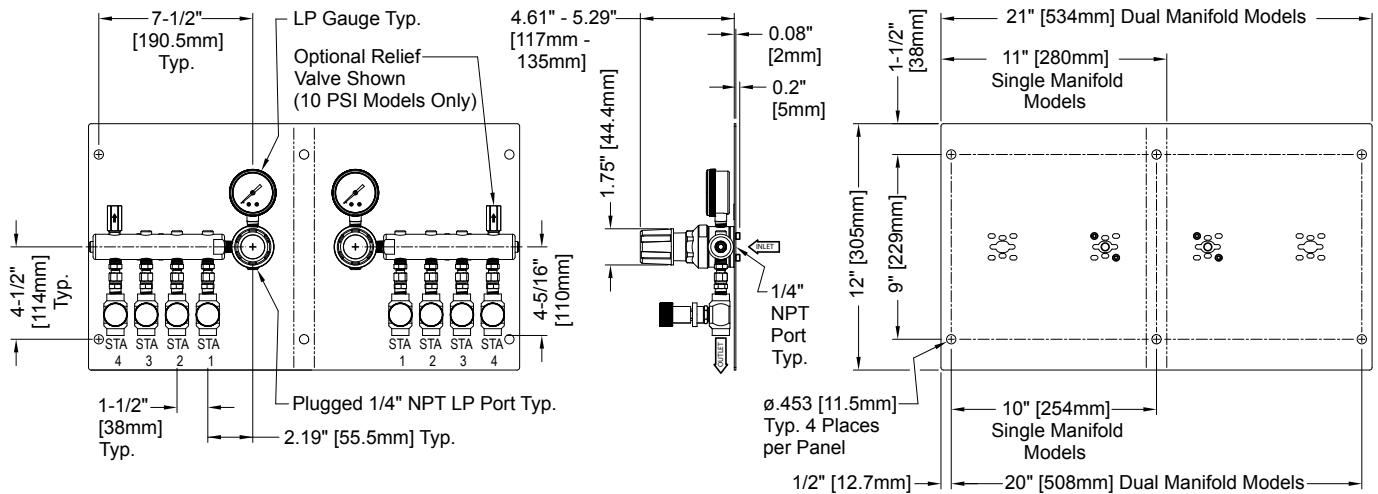
### Materials

- Regulator and Valve Body**  
Chrome-plated bar stock brass
- Bonnet**  
Chrome plated die case zinc
- Seat**  
PTFE (regulator)  
PCTFE (valve)
- Filter**  
10 micron sintered bronze
- Diaphragm**  
316L stainless steel (regulator)  
Elgiloy (valve)
- Internal Seals**  
PTFE

### Specifications

- Maximum Inlet Pressure**  
3000 PSIG (210 BAR)
- Temperature Range**  
-40°F to 140°F (-40°C to 60°C)
- Cv**  
0.1
- Inlet/Outlet Connection**  
1/4" NPT female
- Gauges**  
Chrome plated case  
Nickel plated brass stem
- Panel**  
14-gauge 304 stainless steel
- Helium Leak Integrity**  
 $1 \times 10^{-8}$  scc/sec

# Installation Dimensions



55C 9494-01-010 shown

DISTRIBUTION SYSTEMS

## Ordering Information

55C	A	B	C	D	E	F	G
Series 55C	Left Side Outlet Pressure	Left Side Outlet Valves	Right Side Outlet Pressure	Right Side Outlet Valves	Outlet Connections	Valve Type	Orientation and Gas Service Label
	<b>0:</b> None	<b>0:</b> None	<b>0:</b> None	<b>0:</b> None	<b>0:</b> None	<b>1:</b> Diaphragm	<b>0:</b> Rear Inlet No labels
	<b>1:</b> 0-15 PSIG (PSIG/kPa Gauges)	<b>1:</b> One	<b>1:</b> 0-15 PSIG (PSIG/kPa Gauges)	<b>1:</b> One	<b>1:</b> 1/4" tube		<b>1:</b> Rear Inlet Carbon Dioxide only* Carbon Dioxide (left)/Nitrogen (right)†
	<b>2:</b> 0-30 PSIG (PSIG/kPa Gauges)	<b>2:</b> Two	<b>2:</b> 0-30 PSIG (PSIG/kPa Gauges)	<b>2:</b> Two	<b>2:</b> 1/8" tube		<b>2:</b> Rear Inlet Nitrogen only* Nitrogen (left)/Carbon dioxide (right)†
	<b>3:</b> 0-50 PSIG (PSIG/kPa Gauges)	<b>3:</b> Three	<b>3:</b> 0-50 PSIG (PSIG/kPa Gauges)	<b>3:</b> Three	<b>3:</b> 1/4" hose barb		<b>A:</b> Front Inlet No labels
	<b>5:</b> 0-100 PSIG (PSIG/kPa Gauges)	<b>4:</b> Four	<b>5:</b> 0-100 PSIG (PSIG/kPa Gauges)	<b>4:</b> Four	<b>4:</b> 6mm tube		<b>B:</b> Front Inlet Carbon Dioxide only* Carbon Dioxide (left)/Nitrogen (right)†
	<b>9:</b> 0-10 PSIG with Relief Valve* (PSIG/kPa Gauges)		<b>9:</b> 0-10 PSIG with Relief Valve* (PSIG/kPa Gauges)				<b>C:</b> Front Inlet Nitrogen only* Nitrogen (left)/Carbon dioxide (right)†
	<b>A:</b> 0-15 PSIG (BAR/PSIG Gauges)		<b>A:</b> 0-15 PSIG (BAR/PSIG Gauges)				
	<b>B:</b> 0-30 PSIG (BAR/PSIG Gauges)		<b>B:</b> 0-30 PSIG (BAR/PSIG Gauges)				
	<b>C:</b> 0-50 PSIG (BAR/PSIG Gauges)		<b>C:</b> 0-50 PSIG (BAR/PSIG Gauges)				
	<b>E:</b> 0-100 PSIG (BAR/PSIG Gauges)		<b>E:</b> 0-100 PSIG (BAR/PSIG Gauges)				
	<b>J:</b> 0-10 PSIG with Relief Valve* (BAR/PSIG Gauges)		<b>J:</b> 0-10 PSIG with Relief Valve* (BAR/PSIG Gauges)				
	*Set at 20 PSIG		*Set at 20 PSIG				* = A or C = 0 † = A and C ≠ 0