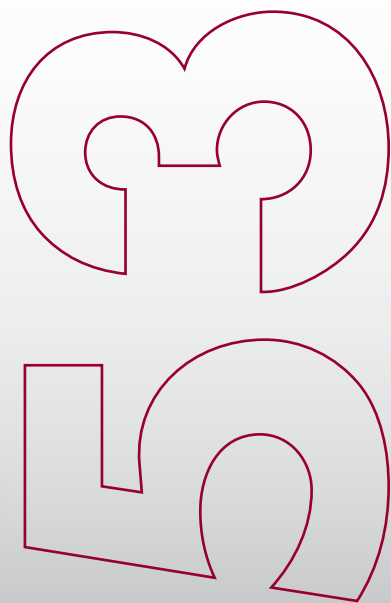


Point-of-Use Panels

The 53 Series Point-of-Use Panels provide a modular design to mount and locate 300 Series regulators at the point of use for high purity instrumentation or process gases. They are intended to provide final pressure control in gas distribution systems and are ideal for laboratory applications. The 53 Series are supplied with up to four high-purity regulators with rear entry inlet ports and diaphragm outlet valves. Five delivery pressure ranges can be individually selected for each regulator station 0-15 PSIG (0-1 Bar) to 0-200 PSIG (0-14 Bar).



53S-3000-001 Shown



Typical Applications

- Bulk gas distribution systems
- Gas and liquid chromatography
- High purity carrier gases
- Zero, span, and calibration gases
- High purity chamber pressurization
- Liquefied hydrocarbon gas control
- Control of cryogenic gases
- EPA protocol standards



53C-3330-001 Shown

Features

307 or 327 Series Regulators

High gas purity

Modular Design

Flexible installation

Rear Entry Regulator Inlet Ports

Piping behind panel

Five Individually Selectable Pressure Ranges

0-15 to 0-200 PSIG

14 Gauge Stainless Steel Panel

Clean corrosion resistant installation

Stainless Steel Diaphragm

No inboard diffusion

High-Purity Diaphragm Outlet Valve

Fas flow control and positive shut-off

Materials

Regulator and Valve Body

316L stainless steel or chrome-plated brass barstock

Bonnet

Chrome-plated brass barstock

Seats

PTFE on regulator
PCTFE on valve

Filter

Patented 10 micron 316 mesh or sintered bronze

Diaphragm

316L stainless steel

Internal Seals

PTFE

Specifications

Maximum Inlet Pressure

3000 PSIG (207 bar)

Operating Temp. Range

-40°F to 140°F (-40°C to 60°C)

Cv

0.1

Inlet/Outlet Connection

1/4" NPT female

Gauges

2" brass or stainless steel case
53C chrome-plated stem/phosphor bronze tube
53S stainless steel stem and tube

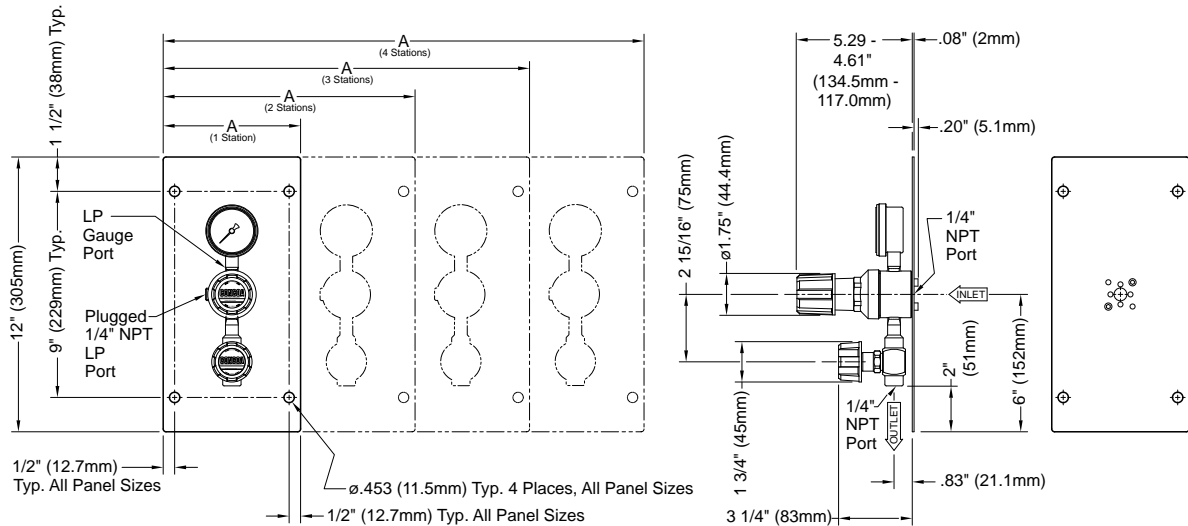
Panel

14-gauge 304 stainless steel

500 Series Distribution Systems



Installation Dimensions



| Number of Stations | Length "Dim A" |
|--------------------|----------------|
| 1 | 6" |
| 2 | 11" |
| 3 | 16" |
| 4 | 21" |

Ordering Information

| 53 | Material | Station 1 | Station 2 | Station 3 | Station 4 | -001 |
|-----------|---|---|---|---|---|--|
| Series 53 | | Outlet Pressure/ (Outlet Gauge) | Outlet Pressure/ (Outlet Gauge) | Outlet Pressure/ (Outlet Gauge) | Outlet Pressure/ (Outlet Gauge) | Options |
| | C: Chrome-plated brass 307 Series regulators | 1: 0-15 PSIG / (0-30 PSIG/kPa) | 1: 0-15 PSIG / (0-30 PSIG/kPa) | 1: 0-15 PSIG / (0-30 PSIG/kPa) | 1: 0-15 PSIG / (0-30 PSIG/kPa) | Contact CONCOA for available options. |
| | S: 316L stainless steel 327 Series regulators | A: 0-1 BAR/ (0-2 BAR/PSIG) | A: 0-1 BAR/ (0-2 BAR/PSIG) | A: 0-1 BAR/ (0-2 BAR/PSIG) | A: 0-1 BAR/ (0-2 BAR/PSIG) | |
| | | 2: 0-30 PSIG / (0-60 PSIG/kPa) | 2: 0-30 PSIG / (0-60 PSIG/kPa) | 2: 0-30 PSIG / (0-60 PSIG/kPa) | 2: 0-30 PSIG / (0-60 PSIG/kPa) | |
| | | B: 0-2 BAR/ (0-4 BAR/PSIG) | B: 0-2 BAR/ (0-4 BAR/PSIG) | B: 0-2 BAR/ (0-4 BAR/PSIG) | B: 0-2 BAR/ (0-4 BAR/PSIG) | |
| | | 3: 0-50 PSIG / (0-100 PSIG/kPa) | 3: 0-50 PSIG / (0-100 PSIG/kPa) | 3: 0-50 PSIG / (0-100 PSIG/kPa) | 3: 0-50 PSIG / (0-100 PSIG/kPa) | |
| | | C: 0-3.5 BAR/ (0-7 BAR/PSIG) | C: 0-3.5 BAR/ (0-7 BAR/PSIG) | C: 0-3.5 BAR/ (0-7 BAR/PSIG) | C: 0-3.5 BAR/ (0-7 BAR/PSIG) | |
| | | 4: 0-150 PSIG / (0-200 PSIG/kPa)* | 4: 0-150 PSIG / (0-200 PSIG/kPa)* | 4: 0-150 PSIG / (0-200 PSIG/kPa)* | 4: 0-150 PSIG / (0-200 PSIG/kPa)* | |
| | | D: 0-10 BAR/ (0-14 BAR/PSIG)* | D: 0-10 BAR/ (0-14 BAR/PSIG)* | D: 0-10 BAR/ (0-14 BAR/PSIG)* | D: 0-10 BAR/ (0-14 BAR/PSIG)* | |
| | | 5: 0-100 PSIG / (0-200 PSIG/kPa) | 5: 0-100 PSIG / (0-200 PSIG/kPa) | 5: 0-100 PSIG / (0-200 PSIG/kPa) | 5: 0-100 PSIG / (0-200 PSIG/kPa) | |
| | | E: 0-7 BAR/ (0-14 BAR/PSIG) | E: 0-7 BAR/ (0-14 BAR/PSIG) | E: 0-7 BAR/ (0-14 BAR/PSIG) | E: 0-7 BAR/ (0-14 BAR/PSIG) | |
| | | 6: 0-200 PSIG / (0-400 PSIG/kPa) | 6: 0-200 PSIG / (0-400 PSIG/kPa) | 6: 0-200 PSIG / (0-400 PSIG/kPa) | 6: 0-200 PSIG / (0-400 PSIG/kPa) | |
| | | F: 0-14 BAR/ (0-28 BAR/PSIG) | F: 0-14 BAR/ (0-28 BAR/PSIG) | F: 0-14 BAR/ (0-28 BAR/PSIG) | F: 0-14 BAR/ (0-28 BAR/PSIG) | |

* Only available on the 53C panels.