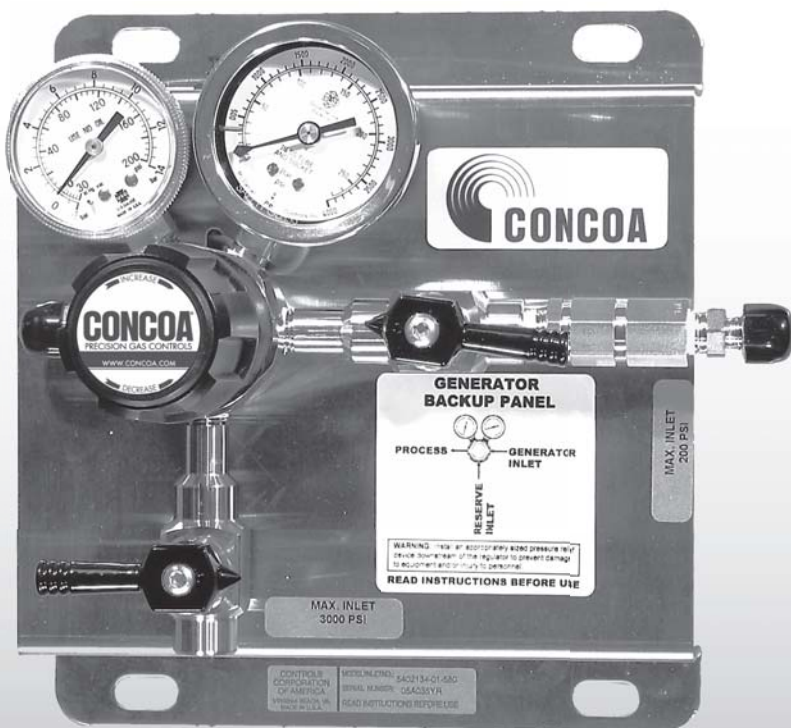


## 540 Series Back-Up Panel

The 540 Series Generator Back-Up Panel is designed to provide a reserve supply to a gas generator. If there is a loss of power, or if the gas generator cannot provide sufficient gas to the system, the reserve supply will automatically activate and supply gas without interruption. When the generator is capable of supplying the system, the reserve shuts down. Back-up panels are available for nitrogen, air, and hydrogen in brass or 316 stainless steel construction. With the available remote alarm package, the system can signal when the reserve supply is active or running low.



540-2134 shown

Ask About Our

**EXTENDED**  
WARRANTY

On This CONCOA Product

### Features

- *Adjustable pressure*  
User determines the pressure at which the backup engages.
- *Check valves on both generator and reserve*  
Prevents back flow to the generator or reserve cylinder
- *Shut-off valves on both generator and reserve*  
Allows isolation and disconnection of either line

### Materials

Regulator Body  
Brass or 316L stainless steel barstock

Bonnet  
Brass or chrome-plated brass barstock

Seat  
PTFE (3000 PSIG)

Filter  
10 micron sintered bronze mesh or 316L patented stainless steel mesh

Diaphragm and Pigtail  
316L stainless steel

CGA Connections  
Brass or 316L stainless steel with check valve

Check Valve Seat  
Viton®

Panel  
304 stainless steel

### Specifications

Maximum Inlet Pressure  
3000 PSIG (210 BAR)

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

Gauges  
2" diameter brass or 316L stainless steel

Helium Leak Integrity  
1 x 10<sup>-9</sup> scc/sec

Adjustable Pressure Range  
0 to 150 PSIG (0 to 10 BAR)

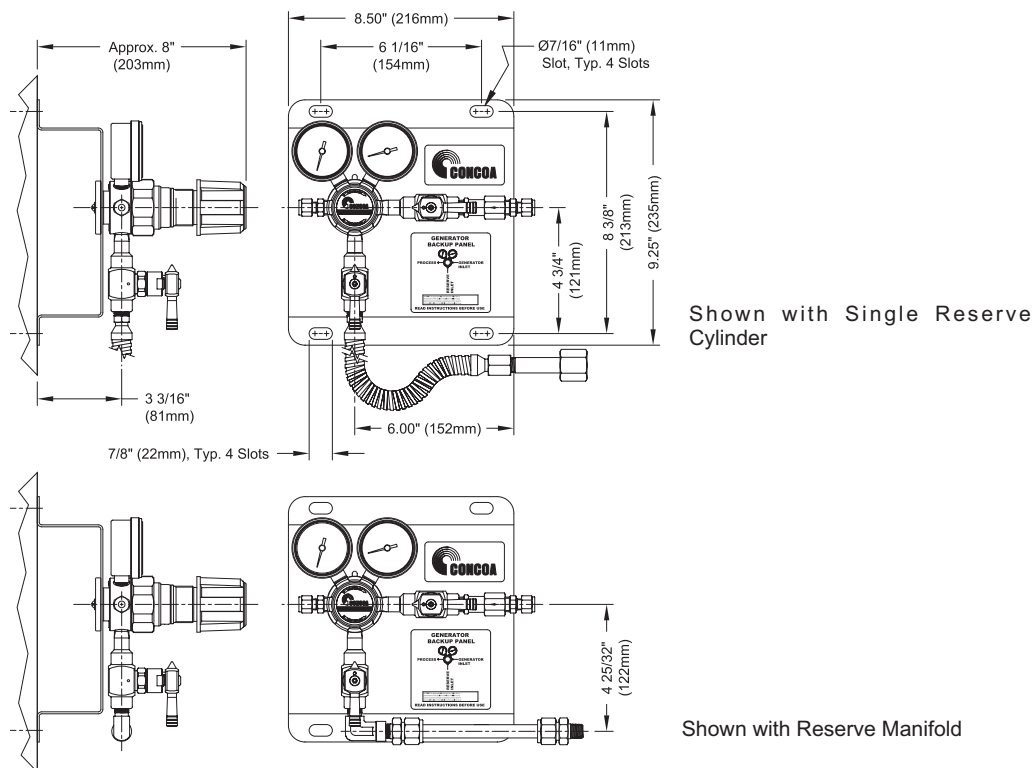
Cv  
0.1

Weight  
Brass - 6.5 lbs. (2.95 kg)  
Stainless Steel - 7.25 lbs (3.29 kg)

# 500 Series Distribution Systems



## Installation Dimensions



## Ordering Information

540	A	B	C	D	-CON
Series 540	Material	Number of Reserve Cylinders	Pigtail Style	Assembly/Gauges	Pigtail
	1: Brass	1: 1 Cylinder with Diaphragm Valve	0: No pigtails	1: 0-4000 PSIG/kPa Gauge, No alarm capability	CGA DIN 477 BS 341 and others available.
	2: 316L Stainless Steel	2: 2 Cylinder Manifold	2: 24" Flexible 316 Stainless Steel with Check Valve	2: 0-4000 BAR/PSIG Gauge, No alarm capability	
		3: 3 Cylinder Manifold	3: 36" Flexible 316 Stainless Steel with Check Valve	3: 0-4000 BAR/PSIG Gauge with Pressure Switch and 120V Remote Alarm	
		4: 4 Cylinder Manifold	6: 72" Flexible 316 Stainless Steel with Check Valve	4: 0-4000 BAR/PSIG Gauge with Pressure Switch and 220V Remote Alarm	
		5: 5 Cylinder Manifold		9: 0-4000 BAR/PSIG Gauge with Pressure Switch without Remote Alarm	
		6: 6 Cylinder Manifold			
		7: 7 Cylinder Manifold			
		8: 8 Cylinder Manifold			
		9: 9 Cylinder Manifold			
		0: 10 Cylinder Manifold			
		A: 11 Cylinder Manifold			
		B: 12 Cylinder Manifold			
		C: 13 Cylinder Manifold			
		D: 14 Cylinder Manifold			
		E: 15 Cylinder Manifold			
	W: Diaphragm valve with 1/4" Female FPT Port				
	Y: Diaphragm valve with manifold connection				