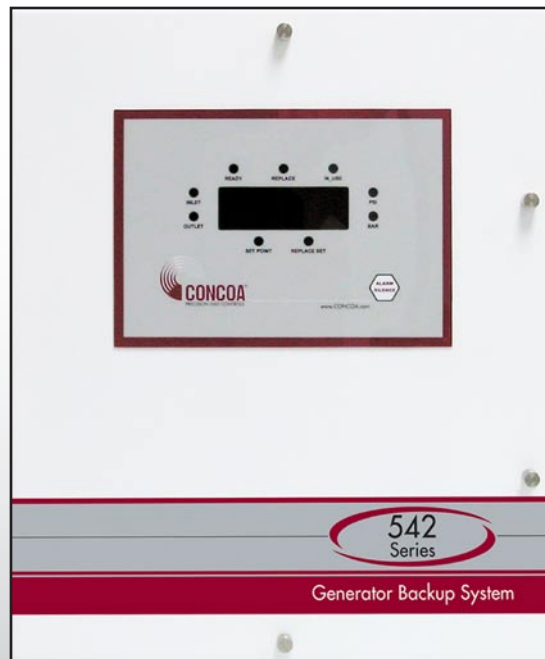




500 Series Distribution Systems

542 Series High Flow Backup

The 542 Series High Flow Generator Back-Up is designed to provide a “smart” reserve supply to high flow gas generators or bulk supply systems. If there is a loss of power, or if the gas generator or bulk supply system cannot provide sufficient gas, the 542 Series will automatically activate the reserve supply to supply gas without interruption. The unique feature of the 542 is that these functions are controlled by an on board micro-processor, similar to CONCOA's Intelliswitch systems. In addition to the on board systems, the 542 is equipped with CONCOA's new I-Link Web server technology allowing for remote monitoring and control functions. Together, these advanced systems continually monitor pipeline pressure and reserves and can be programmed to engage at a specific pressure. The 542 is available for nitrogen, air, helium, carbon dioxide, nitrous oxide, oxygen, or argon in high purity bar stock brass construction.



Ask About Our

EXTENDED
WARRANTY

On This CONCOA Product

Features

- *Programmable reserve activation pressure*
User sets the pressure at which the backup engages
- *Programmable reserve low alarm pressure*
User sets the low reserve alarm point.
- *On board I-Link Web Server and Remote Monitoring Software*
Enables for real-time online system monitoring.
- *High Purity Components.*
Use in high purity systems.
- *High Flow Capacity*
High flow building or facility systems
- *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 barstock
- Bonnet
Chrome Plated Die Cast Zinc
- Seat
PCTFE (3000 PSIG)
- Filter
40 micron 316L stainless steel mesh
- Diaphragms and Pigtaills
316L stainless steel
- CGA Connections
Brass with check valve
- Check Valve Seat
PTFE or Viton®
- Enclosure
NEMA 12 Powder coated steel

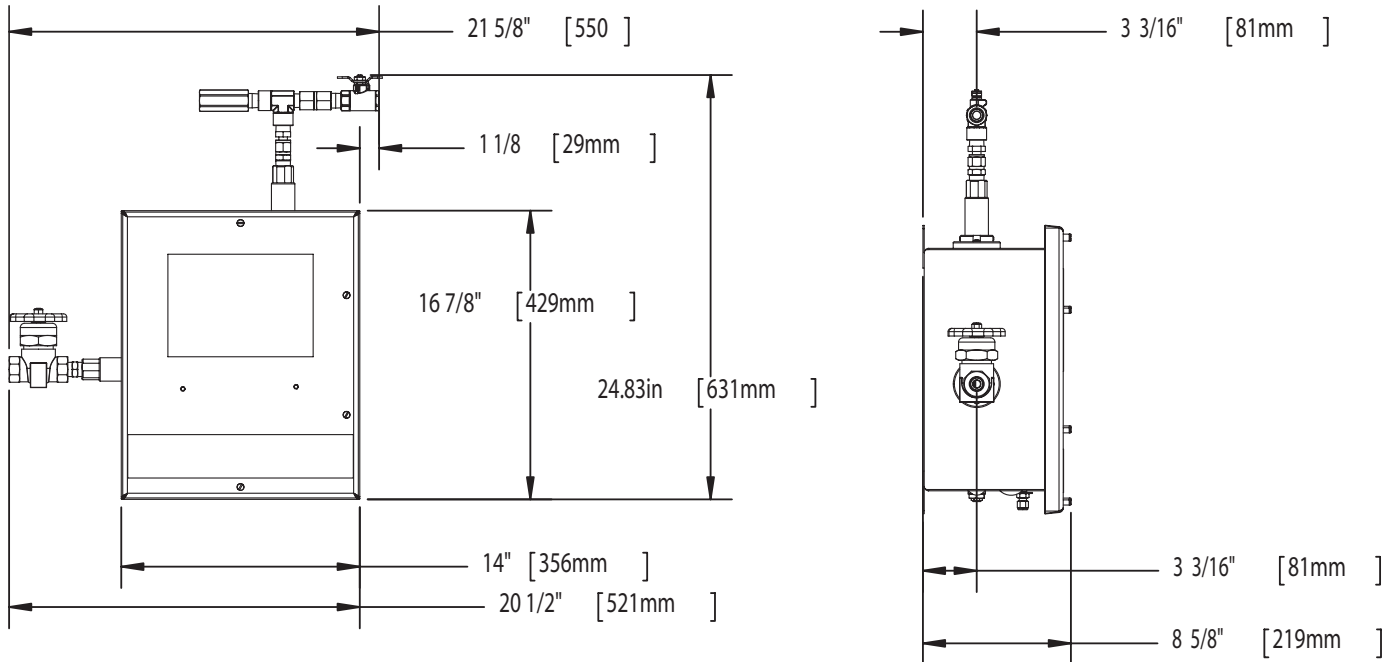
Specifications

- Maximum Inlet Pressure
3000 PSIG (210 BAR)
- Temperature Range
0°F to 140°F (-18°C to 60°C)
- Pressure Display: Large digital display
- Status Display: Multi Color LEDs
- Helium Leak Integrity
1 x 10⁻⁸ scc/sec
- Adjustable Pressure Range
50 to 250 PSIG (0 to 17 BAR)
- Cv
1.0
- Weight
45 lbs. (20.45 kg)

500 Series Distribution Systems



Installation Dimensions



Ordering Information

542	A	B	C	D	-01	-CGA	No. Stations
Series 542	Delivery Pressure	Inlet Options	Internal Buzzer Audible Alarm	Voltage/Web Server Assembly Options		Cylinder Connection Type	
	3: 0-120 PSI/ 0-8BAR	0: 1/2" FPT	0: Without Alarm	2: NEMA12 / 120 VAC / Without Web Server		-000: No Inlet Connection Specified - 1/4" FPT on Pigtail Inlet ¹	0: 0 Stations* 1: 1 Stations
	5: 0-250 PSI/ 0-17 BAR	1: Master Valve 1/2" FPT	1: With Alarm	3: NEMA12 / 240 VAC / Without Web Server		-001: No Inlet Connection 1/2" FPT or No Pigtails 1/4" FPT ²	2: 2 Stations 3: 3 Stations
		2: 629 Series Micromanifold without Pigtails		4: NEMA12 / 120 VAC / With Web Server		-296: CGA 296	4: 4 Stations
		3: 629 Series Micromanifold with 36" Stainless Flexible Pigtails		5: NEMA12 / 240 VAC / With Web Server		-320: CGA 320	5: 5 Stations
		4: 629 Series Micromanifold with 72" Stainless Flexible Pigtails				-326: CGA 326	6: 6 Stations
		5: Master Valve With 629 Series Micromanifold without Pigtails				-540: CGA 540 (Supplied with Monel Pigtails)	7: 7 Stations
		6: Master Valve With 629 Series Micromanifold with 36" Stainless Flexible Pigtails				-580: CGA 580	8: 8 Stations
		7: Master Valve With 629 Series Micromanifold with 72" Stainless Flexible Pigtails				-590: CGA 590	
		C: 628 Series High Flow Manifold, Single Row, without Pigtails				CGA	
		D: 628 Series High Flow Manifold, Single Row, with 36" Stainless Flexible Pigtails				DIN 477	
		E: 628 Series High Flow Manifold, Single Row, with 72" Stainless Flexible Pigtails				BS 341	
		F: 628 Series High Flow Manifold, Dual Row, without Pigtails				and others available	* (Only available if CGA="-001")
		G: 628 Series High Flow Manifold, Dual Row, with 36" Stainless Flexible Pigtails					
		H: 628 Series High Flow Manifold, Dual Row, with 72" Stainless Flexible Pigtails					
						¹ (Only if B=3,4,6,7,D,E,G, or F)	
						² (Only if B=0,1,2,5,C, or F)	