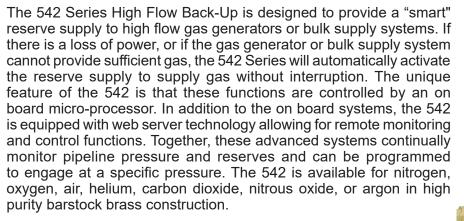
542 SERIES HIGH FLOW BACKUP



Typical Applications

- Bulk or Microbulk Backup Supply
- Air or Nitrogen Generator Backup
- Cell Culture Incubators and IVF
- Critical Laboratory Gas Reserve
- Gas Chromatography, Flame Ionization Detector, and Mass Spectrometer Backup

Features

Programmable Setpoint Pressure permits the user to set the back-up to engage at a specific pressure
Programmable Inlet Alarm Pressure allows user to set a low reserve alarm point
Onboard Web Server Technology enables real-time, online system monitoring
High Flow Capacity supports building or facility systems
Check Valve on Primary and Reserve prevents backflow to either

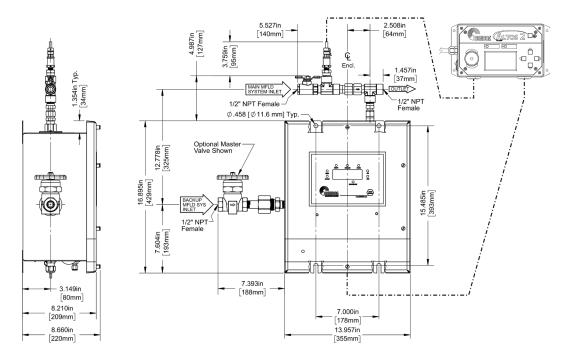
Materials and Specifications

Maximum Primary Source Pressure: 15-120 PSIG (1-8 BAR); 15-250 PSIG (1-17 BAR) Temperature range: 0°F to 140°F (-18°C to 60°C) Helium leak integrity: 1 x 10⁻⁸ scc/sec 316L stainless steel or brass barstock Cv: 1.0 Regulator Body: Brass barstock Bonnet: Chrome-plated, die-cast zinc Seat: PCTFE Filter: 40-micron 316 mesh Regulator Diaphragm: 316L stainless steel Check Valve Seats: Chloroprene Enclosure: NEMA 12, Powder-coated steel Weight: 45 lbs (20.45 kg) Conformances: ANSI/ASME B40.1; CRN OH17950.5



542 SERIES HIGH FLOW BACKUP





Ordering Information

542	А	В	С	D	-CON	Stations
Series 542	Delivery Pressure	Inlet Options	Internal Buzzer Audible Alarm	Voltage/Web Server Assembly Options	Gas Service Cylinder Connections	
	3: 0-120 PSIG (0-8 BAR)	0: 1/2" FPT	0: Without alarm	4: 120 VAC / with web server	-000: No cylinder connection	0: No hoses
	5: 0-250 PSIG (0-17 BAR)	1: Master valve 1/2" FPT	1: With alarm	5: 240 VAC / with web server	-296: Oxidizing mixtures (O ² > 23.5%)	1: 1 station
		2: MicroManifold without hoses			-320: Carbon Dioxide	2: 2 stations
		3: MicroManifold with 36" (900mm) stainless flexible hoses			-326: Nitrous Oxide	3: 3 stations
		4: MicroManifold with 72" (1800mm) stainless flexible hoses			-346: Breathable air	4: 4 stations
		5: Master valve with MicroManifold without hoses			-540: Oxygen	5: 5 stations
		6: Master valve with MicroManifold with 36" (900mm) stainless flexible hoses			- 580: Inert (Argon, Helium, Nitrogen)	6: 6 stations
		7: Master valve with MicroManifold with 72" (1800mm) stainless flexible hoses			-590: Synthetic air (dry, zero grade, ultra zero grade)	7: 7 stations
		C: High flow manifold, single row, without hoses			DIN 477 BS 341 and others available	8: 8 stations
		D: High flow manifold, single row, with 36" (900mm) stainless flexible hoses				
		E: High flow manifold, single row, with 72" (1800mm) stainless flexible hoses				
		F: High flow manifold, dual row, without hoses				
		G: High flow manifold, dual row, with 36" (900mm) stainless flexible hoses				
		H: High flow manifold, dual row, with 72" (1800mm) stainless flexible hoses				