

MINI UNICUS®

3 AND 4-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

MINI UNICUS is our budget minded integrated breathing air cylinder recharging system. The system design combines a BAUER high pressure compressor, BAUER breathing air purification system, air storage system, air management panel and containment fill station. It might be smaller than our UNICUS III series cylinder recharging systems, but MINI UNICUS is not short on features.

- › **PRESSURE:**
Up to 6000 PSIG (414 BAR)
- › **CHARGING RATE:**
5 to 13 SCFM
(142 to 368 L/MIN)
- › **POWER:**
5 to 10 HP (3.7 to 7.5 kW)



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FIRE

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with SECURUS
- › BAUER PLC base controller with multicolor touchpad
- › NEMA 4 rated electrical enclosure with **UL**® listed control panel
- › Compressor low oil pressure and high temperature safety shutdowns
- › Emergency stop push button
- › Hinged fill control panel with Lexan laminate air flow/fill schematic
- › Priority refill system with storage bypass valve
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
- › Two (2) UN code stamped air cylinders installed in an integral rack
- › Sound attenuating enclosure with slam-action latches and lift-off type hinges
- › NFPA 1901 2016 edition compliant 2 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length
- › Inter-stage pressure gauges

SYSTEM FOOTPRINT

DIMENSIONS L X W X H inches (mm)

- › 72” x 34” x 70” (1830mm x 864mm x 1778mm)

WEIGHT pounds (kg)

- › 2300 - 2700 lb (1043 - 1225 kg)

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system
- › Regulated (adjustable) remote fill hose connection to include high pressure hose reel and 100 ft of 6000 PSIG rated high pressure hose
- › ASME air storage cylinders in lieu of standard UN bottles
- › Regulated (adjustable) panel mounted remote fill hose connection
- › Dual Fill/2 position
- › Tri Fill/2 position

TECHNICAL DATA

Model	Charging Rate ¹		Number of Stages	Motor		FAD ²	RPM	Purification System
	SCFM	L/MIN		HP	kW			
5000 PSIG (345 BAR)								
MINI-UNI/8-E1/E3	8.4	238	3	7.5	5.6	7	1250	P2 SECURUS
6000 PSIG (414 BAR)								
MINI-UNI/5H-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
MINI-UNI/10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2 SECURUS
MINI-UNI/13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1= Single phase electric, 230 VAC/60 Hz. E3=Three phase electric, 208/230/460 VAC/60 Hz. Dimensions and weight are approximate and are subject to change.

