

MINI UNICUS

3 and 4-Stage High Pressure Breathing Air Compressors

› **Pressure**

up to 6000 psig
up to 414 bar

› **Charging Rate**

5 to 13 scfm
142 to 368 l/min

› **Power**

5 to 10 hp
3.7 to 7.5 kW



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.

Mini Unicus

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with SECURUS
- › BAUER PLC based controller with multicolor touchpad display
- › 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. Automatic "Full" indication and compressor shutdown
- › Two (2) DOT code stamped air cylinders installed in an integral rack
- › Sound attenuating enclosure with slam-action latches and lift-off type hinges
- › NFPA 1901 Compliant Two position Containment Fill Station accommodates SCBA or SCUBA cylinders up to 31" overall length

AVAILABLE ACCESSORIES (factory installed)

- › CO monitor
- › Regulated (adjustable) remote fill hose connection to include high pressure hose reel and 75" of 6000 psig rated high pressure hose
- › ASME air storage cylinders in lieu of standard UN Bottles
- › Additional air storage cylinders
- › Regulated (adjustable) panel mounted remote fill hose connection

DIMENSIONS L x W x H inches (mm)

- › 72 x 34 x 70 (1830 x 864 x 1778)

WEIGHT pounds (kg)

- › 2180 - 2300 (990 - 1043)

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/6-E1/E3	6	170	3	5	3.7	5	1050	P2 SECURUS
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, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

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MINI-UNI

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subject to alteration without notice or obligation