

UNICUS III

4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
9.7 to 42 scfm
275 to 1190 l/min
- › **Power**
7.5 to 30 hp
5.6 to 22 kW



UNICUS III cylinder recharging station is THE TOTAL SYSTEM for refilling high or low pressure SCBA or SCUBA cylinders.

The integrated system design combines a BAUER high pressure compressor, BAUER breathing air purification system, air storage system, cascade fill panel and containment fill station into one user friendly workstation. Independently tested for safety, a **UL[®]** listed electrical assembly and the proven reputation for superior performance makes the UNICUS III the most advanced fill station available!

Unicus III

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 cascade fill control panel with lexan laminate air flow/fill schematic
- › Audible alarm on safety shutdowns
- › Inlet filter maintenance indicator
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor. Automatic "Full" indication and compressor shutdown
- › Two ASME code stamped air cylinders installed in an integral rack designed to hold four cylinders
- › Sound attenuating enclosure with slam-action latches and lift-off type hinges
- › NFPA 1901 Compliant Three position Containment Fill Station accommodates SCBA or SCUBA cylinders up to 31" overall length

AVAILABLE ACCESSORIES (factory installed)

- › CO monitor
- › 75" high pressure cabinet enclosed hose reel
- › Additional air storage cylinders
- › Panel mounted remote fill hose connection

DIMENSIONS L x W x H inches (mm)

- › UN III/10H-E1/E3 - UN III/26-E3
90 x 36 x 77 (2286 x 914 x 1956)
- › UN III/42-E3 and UN III/35H-E3
102 x 50 x 77 (2591 x 1270 x 1956)

WEIGHT pounds (kg)

- › UN III/10H-E1/E3 - UN III/26-E3 3350 - 3695 (1520 - 1676)
- › UN III/42-E3 and UN III/35H-E3 5500 (2495)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
UN III/20-E3	21	595	4	15	11	17.5	1300	P5 SECURUS
UN III/26-E3	26.4	748	4	20	15	22	1350	P5 SECURUS
UN III/42-E3	42	1190	4	30	22	35	1300	P10 SECURUS
6000 psig (414 bar)								
UN III/10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2 SECURUS
UN III/13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS
UN III/18H-E3	18	510	4	15	11	15	1325	P5 SECURUS
UN III/25H-E3	25.2	714	5	20	15	21	1300	P5 SECURUS
UN III/35H-E3	35.9	1017	4	30	22	29.8	1200	P10 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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UN III

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subject to alteration without notice or obligation