

UNICUS III®

4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

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!

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- › **PRESSURE:**
Up to 6000 PSIG
(414 BAR)
- › **CHARGING RATE:**
13 to 42 SCFM
(368 to 1190 L/MIN)
- › **POWER:**
10 to 30 HP
(7.5 to 22 kW)



› UNICUS III



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› UNICUS III FIRE EDITION
(OPTIONAL FIRE EDITION PAINT SCHEME SHOWN)

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STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with SECURUS
- › BAUER PLC base 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 and automatic “Full” indication and compressor shutdown
- › Two (2) 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 2016 edition compliant 3 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length

SYSTEM FOOTPRINT

UN III/13H-E1/E3 - UN III/26-E3:

DIMENSIONS L X W X H inches (mm)

- › 90” x 37” x 77” (2286mm x 940mm x 1956mm)

WEIGHT pounds (kg)

- › 4150 - 4300 lb (1882.4 - 1950.4 kg)

UN III/42-E3 and UN III/35H-E3:

DIMENSIONS L X W X H inches (mm)

- › 102” x 50” x 77” (2591mm x 1270mm x 1956mm)

WEIGHT pounds (kg)

- › 5500 lb (2495 kg)

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AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system
- › 100 ft high pressure cabinet enclosed hose reel
- › Additional air storage cylinders
- › Panel mounted remote fill hose connection
- › Dual Fill/3 position
- › Tri Fill/3 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)								
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/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, 208/230/460 VAC/60 Hz. Other voltages available on request. Dimensions and weight are approximate and are subject to change.