

UNICUS III
THE TOTAL SYSTEM

7.5 – 30 HP • 5000 / 6000 PSIG

UNICUS III Cylinder Recharging Station is the total system for recharging high or low pressure SCBA or SCUBA cylinders. The integrated system design combines a BAUER four or five stage 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.



UNIII/25H-E3
Electric Motor Drive

UNICUS III
THE TOTAL SYSTEM



Containment Fill Station
Containment Fill Station
Three Position Fill



Air Storage
Shown with Two (2)
Additional (optional)
ASME Cylinders



Hinged Cascade Fill Control Panel
with Air Flow Schematic

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
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5000 PSI SERVICE

UNIII/20-E3	4	21.0	17.5	15.0	1300	P5 SECURUS	90 - 36 - 77	3550
UNIII/26-E3	4	26.4	22.0	20.0	1350	P5 SECURUS	90 - 36 - 77	3625
UNII/42-E3*	4	42.0	35.0	30.0	1300	P10 SECURUS	102 - 36/42 - 77	4300

6000 PSI SERVICE

UNIII/10H-E1/E3	4	9.7	8.1	7.5	1180	P2 SECURUS	90 - 36 - 77	3350
UNIII/13H-E1/E3	4	13.0	10.8	10.0	1420	P2 SECURUS	90 - 36 - 77	3450
UNIII/19H-E3	5	19.2	16.0	15.0	1050	P5 SECURUS	90 - 36 - 77	3600
UNIII/25H-E3	5	25.2	21.0	20.0	1300	P5 SECURUS	90 - 36 - 77	3695
UNII/35H-E3*	4	35.9	29.8	30.0	1200	P10 SECURUS	102 - 36/42 - 77	4550

*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

**Compressor capacity referenced to standard inlet conditions.

*30 HP driven units are incorporated within the UNII frame (ask for details on scope of supply).

E1 = Single Phase Electric, 230 VAC/60 Hz E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.

STANDARD FEATURES – 5000/6000 PSIG

- Full Gauge Panel including a Pressure Gauge for each Stage of Compression, Oil Pressure and E-Stop Button
- Audible Alarm on Safety Shutdowns
- Hinged Cascade Fill Control Panel with Lexan Laminate Air Flow / Fill Schematic
- PLC Controller and NEMA 4 Electrical Enclosure
- Smart Pad Operator Interface Console with scrolling Four-Line Text Display
- Inlet Filter Maintenance Indicator
- Condensate Reservoir with Automatic "Full" Indication and Compressor Shutdown
- Two (2) ASME Code Stamped Air Cylinders Installed in an Integral Rack
- Sound Attenuating Enclosure with Slam-Action Latches and Lift-Off Hinges
- Three Position Containment Fill Station accommodates SCBA or SCUBA Cylinders up to 31" in Overall Length