

UNICUS® 4i

4- AND 5-STAGE HIGH-PRESSURE BREATHING AIR COMPRESSORS

This game-changing filling station employs our state-of-the-art control system centered around a 15-inch HMI touch screen interface, which allows the operator to manage the entire system from the single-point touch screen. UNICUS®4i has several innovative optional features including BAUER Gas-Tek™ monitoring system, and RFID Reader.

› PRESSURE:

Up to 6000 PSIG
(414 BAR)

› CHARGING RATE:

13 to 26.4 SCFM
(368 to 748 L/MIN)

› POWER:

10 to 20 HP
(7.5 to 15 kW)



› UNICUS® 4i



› UNICUS® 4i
(SHOWING INSIDE FRONT)



› UNICUS® 4i
(SHOWING INSIDE BACK)

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with B-SECURUS
- › **BAUER 15-inch HMI touch-screen** interface
- › Solid state auto cascade system
- › Compressor low oil pressure and high temperature safety shutdowns
- › Emergency stop push button
- › Ergonomic system-operations panel
- › Ergonomically designed stainless steel fill adaptors with integral bleed valve
- › 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
- › NFPA 1901 2016 edition compliant 3 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length

SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm)

- › 101” x 38” x 80” (2565mm x 965mm x 2032mm)

WEIGHT pounds (kg)

- › 4350 - 4550 lb (1973 - 2064 kg)

*Weights are based on a unit equipped with 4 ASMEs

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › **BAUER Gas-Tek™** CO monitoring system
- › **RFID Reader** which reads and records data from the RFID equipped cylinders
- › Hose reel for 100’ of high pressure breathing air hose
- › Reg/RF
- › Dual Fill/3 position
- › Tri Fill/3 position

TECHNICAL DATA

Model	Charging Rate ¹		Number of Stages	Motor		FAD ²	Purification System
	SCFM	L/MIN		HP	kW		
5000 PSIG (345 BAR)							
UNICUS 4i -26 - E3	26.4	748	4	20	15	22	P5 B-SECURUS
UNICUS 4i -20 - E3	21	595	4	15	11	17.5	P5 B-SECURUS
6000 PSIG (414 BAR)							
UNICUS 4i -13- E1/E3	13	368	4	10	7.5	10.8	P2 B-SECURUS
UNICUS 4i -18- E3	18	510	4	15	11	15	P5 B-SECURUS
UNICUS 4i -25- E3	25.2	714	5	20	15	21	P5 B-SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
 2) Compressor capacity referenced to standard inlet conditions. Tolerance +/- 5%

F
I
R
E

OPTIONAL ACCESSORIES

Item	Description	Part Number
0001	BAUER Gas-Tek™ electronic carbon monoxide monitor complete with calibration kit wired for alarm and shutdown. (calibration gas included)	GT/CO/III
0002	Each additional ASME 5000 PSIG cylinder with relief valve and mounting clamps	/CYL-9/5K
0003	Each additional ASME 6000 PSIG cylinder with relief valve and mounting clamps	/CYL-9/6K
0004	Panel mounted remote fill hose connection. Includes bulkhead fitting, adjustable regulator for up to 6000 PSIG service, gauge, isolation valve and quick connect/disconnect fitting (hose no included)	/RF/REG
0005	UN4 remote fill hose connection including adjustable regulator for up to 6000 PSIG service, gauge and isolation valve connected to a cabinet enclosed hose reel with 100 feet of hose rated for 6000 PSIG service	UN4/RF/REL-12
0006	DUAL-FILL, high/low, quick connect fill system (specify fill pressures)	DUAL-FILL/3 position
0007	TRI-FILL, high/low/SCUBA, quick connect fill system (specify fill pressures)	TRI-FILL/3 position
0008	Fire Edition paint scheme	
FOR UNICUS® 4i ONLY		
0009	RFID SCBA Data Logging	RFID4i
0010	RFID DATA TAGS Each Kit includes 25-each tags	KIT-0557
0011	Cloud Storage for RFIDPro® SCBA cylinder management system. Price based upon number of SCBA's	TBD