

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 touch screen interface, which allows the operator to manage the entire system from the single-point touch screen. From 13 SCFM to 26 SCFM charge rate multistage aircooled BAUER compressors coupled to a BAUER high pressure breathing air purification system assuring the department unsurpassed breathing air quality all the time! The touch screen interphase allows the operator to not only monitor the SCBA/ SCUBA filling process, but it also provides at the operators fingertips the ability to adjust the individual SCBA/SCUBA fill pressure, fill speed and data log the fill event to the BAUER cloud all in accordance with NFPA-1989; that is right, SCBA fill data logging is now standard on the UNICUS 4i!

EFFECTIVE: 02/01/23

- › **PRESSURE:**
5000 to 6000 PSIG
(345 to 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 and intuitive system-operations panel
- › Ergonomically designed stainless steel fill adaptors with integral bleed valve
- › Zero loss automatic condensate drain system with non-corrosive condensate reservoir, integrated float sensor, and automatic “Full” indication with 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
- › **RFID Reader** which reads and records data from the RFID equipped cylinders

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › **BAUER Gas-Tek™** gas monitoring system
- › Hose reel for 100’ of high pressure breathing air hose
- › Reg/RF
- › Dual Fill/3 position
- › Tri Fill/3 position
- › Additional air storage cylinders

SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm)

- › 101” x 38” x 78” (2565mm x 965mm x 1981mm)

WEIGHT pounds (kg) › 4350 - 4550 lb (1973 - 2064 kg)

*Weights are based on a unit equipped with 4 ASMEs

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 -20 - E3	21	595	4	15	11	17.5	P5 B-SECURUS
UNICUS 4i -26 - E3	26.4	748	4	20	15	22	P5 B-SECURUS
6000 PSIG (414 BAR)							
UNICUS 4i -13- E1	13	368	4	10	7.5	10.8	P2 B-SECURUS
UNICUS 4i -13- 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%

OPTIONAL ACCESSORIES - UNICUS 4i

Item	Description	
0001	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 not included)	/RF/REG
0005	UN4i 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	UN4i/RF/REL-9
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	RFID DATA TAGS Each Kit includes 25-each tags	RFID4i
0009	Fire Edition Paint Scheme	
0010	B-VIRUS FREE™	

U.S. HEADQUARTERS:
BAUER COMPRESSORS, INC.
 1328 Azalea Garden Road
 Norfolk, VA 23502
 Tel. +1 (757) 855-6006
 Fax +1 (757) 857-1041
SLS@BauerComp.com
www.BauerComp.com

BAUER MIAMI
 Tel. +1 (954) 746-2504
 Fax +1 (954) 746-5510
BFLSales@BauerComp.com

U.S. BRANCHES
BAUER SAN FRANCISCO
 267 East Airway Boulevard
 Livermore, CA 94551
 Tel. +1 (925) 449-7210
 Fax +1 (925) 449-7201
BauerSF@BauerComp.com

BAUER NORTHEAST
 2124 State Route 89
 Seneca Falls, NY 13148
 Tel. +1 (315) 568-5520
 Fax +1 (315) 568-5520
Tim.Burgess@BauerComp.com

www.BauerBreathingAir.com

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 Subject to technical changes