

7000 PSIG SERIES: UNICUS® 4S & 4i

7000 PSIG ALL-IN-ONE HIGH-PRESSURE BREATHING AIR COMPRESSORS

As SCBA working pressures increase, so must working pressures in the fire departments breathing air compressor system. BAUER COMPRESSORS, INC. is the first company in the industry to offer a fully unitized compressor system built for 7000 PSIG service. Let's start with a continuous duty BAUER 7000 PSIG compressor which was in existence well before others put pen to paper. Couple the compressor to a BAUER high pressure breathing air purification system meeting rigorous CGA and or NFPA standards; A sound attenuated cabinet including four (4) 7000 PSIG ASME air storage cylinders and a three (3) position NFPA compliant containment fill station. Operations are made easy with everything located on a single operations panel. The panel is ideally located on the front of the compressor system above the SCBA fill station. This ergonomic and intuitive control panel allows the operator to control the filling process and unloading the SCBA cylinders. Additionally we are offering you two (2) modes of operation, analog or totally automatic. The UNICUS 4S is your choice for all things manually controlled. Should your department wish the automated path, select the UNICUS 4i. If you want to dress your unit in concert with the Fire Department theme, ask about our Fire Edition package. Look to BAUER COMPRESSORS when your department needs the best all-in-one compressor system on the market today, backed by our global network of service partners.

EFFECTIVE: 01/01/2020

- › **PRESSURE:**
Up to 7000 PSIG
(483 BAR)
- › **CHARGING RATE:**
13 to 20 SCFM
(368 to 566 L/MIN)
- › **POWER:**
15 to 20 HP
(11 to 15 kW)



› UNICUS 4i



OPTIONAL

UNICUS 4
FIRE EDITION
OPTIONAL FIRE EDITION PAINT SCHEME
(SHOWN HERE)

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with B-SECURUS
- › BAUER PLC based controller with 7” color HMI touchscreen display on 4S; 15” HMI on 4i
- › 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
- › Four (4) ASME 7000 PSI code stamped air cylinders; Cylinders are rated with a 3:1 SF
- › 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
- › Manually controlled dual-function 4 bank cascade controls with air direction valve are standard on the 4S models; Automatic cascade controll logic is standard on the 4i models

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › Lab-On-Locale 2 (UNICUS 4i)
- › RFID SCBA data logging intergrated into fill station (UNICUS 4i)
- › RFID data tags (UNICUS 4i)
- › CO monitoring system
- › 100 ft high pressure cabinet enclosed hose reel
- › Panel mounted remote fill hose connection
- › Dual Fill/3 position
- › Tri Fill/3 position

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)

TECHNICAL DATA

Model	Charging Rate ¹		Number of Stages	Motor		FAD ²	RPM	Purification System
	SCFM	L/MIN		HP	kW			
7000 PSIG (483 BAR)								
UN 4S-15/7K	13	368	4	15	11	10.8	960	P5 B-SECURUS
UN 4S-20/7K	20	566	5	20	15	17	1300	P5 B-SECURUS
UN 4i-15/7K	13	368	4	15	11	10.8	960	P5 B-SECURUS
UN 4i-20/7K	20	566	5	20	15	17	1300	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. 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.

OPTIONAL ACCESSORIES - 7000 SERIES UNICUS 4S & 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	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
0003	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-9
0004	DUAL-FILL, high/low, quick connect fill system (specify fill pressures)	DUAL-FILL/3 position
0005	TRI-FILL, high/low/SCUBA, quick connect fill system (specify fill pressures)	TRI-FILL/3 position
0006	Fire Edition paint scheme	
FOR UNICUS 4i ONLY		
0007	LAB-ON-LOCALE and including 12-each accredited tests, and control module swap out in first year.	LOL4
0008	RFID SCBA Data Logging	RFID4i
0009	RFID DATA TAGS Each Kit includes 25-each tags	KIT-0557
0010	B-VIRUS FREE™	



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