

AIR STORAGE

UN AND ASME STORAGE SYSTEMS

BAUER high pressure air storage systems meet the code requirements of both the United Nations Model Regulations and the American Society of Mechanical Engineers. Storage cylinders and storage systems are offered for 5000, 6000 and 7000 PSIG applications. Optional mounting racks are available.

EFFECTIVE: 01/01/21

› **PRESSURE:**

4500 PSIG (310 BAR)

5000 PSIG (345 BAR)

6000 PSIG (414 BAR)

7000 PSIG (476 BAR)

› **CONFIGURATION:**

Vertical

Horizontal

› **STORAGE:**

Bulk

Bank



› UN STORAGE



› ASME STORAGE

UN AIR STORAGE SYSTEM

Model	
UN 4500 PSIG (3 10)	
CLY-0067	1 cylinder
HC4500-1	1 cylinder
HC4500-2	2 cylinders
HC4500-3	3 cylinders
HC4500-4	4 cylinders
HC4500-5	5 cylinders
HC4500-6	6 cylinders
UN 5000 PSIG (345)	
CYL-0103	1 cylinder
HC5000-1	1 cylinder
HC5000-2	2 cylinders
HC5000-3	3 cylinders
HC5000-4	4 cylinders
HC5000-5	5 cylinders
HC5000-6	6 cylinders
UN 6000 PSIG (4 14)	
CYL-0069	1 cylinder
HC6000-1	1 cylinder
HC6000-2	2 cylinders
HC6000-3	3 cylinders
HC6000-4	4 cylinders
HC6000-5	5 cylinders
HC6000-6	6 cylinders

OPTIONAL ACCESSORIES

Item	Description
0001	Pressure Regulation Panel affixed to the RCK-0037
0002	RCK-/REG PNL/2-Outlets

UN PRESSURE RECEPTACLE (UNITED NATIONS MODEL REGULATIONS)

Bauer Compressors offers the Lightweight UN / ISO Air Storage Cylinders in three (3) pressure ratings: 4500 psi (CYL-0067), 5000 psi (CYL-0103), and 6000 psi (CYL-0069).

These cylinders are Made In The USA and are built in accordance with ISO 9809 – Parts 1 & 2 and are DOT qualified under UN regulations. The UN / ISO cylinders feature a 10 Year Re-Test Period.

CYL-0067 and CYL-0103 have an approximate empty weight of 158 pounds, while CYL-0069 has an approximate empty weight of 188 pounds. The storage cylinders are equipped with cylinder valves (CGA-347 connection on CYL-0067 and CGA-702 connection on CYL-0103 and CYL-0069) featuring an integral pressure relief device/ burst disc specific to the cylinder working pressure.

The UN cylinders are available individually as well as in “BULK” or “BANK” configurations; add to the model name (i.e., HC6000-4/ BULK). The “BULK” and “BANK” configurations are available in conjunction with a uni-strut wall mounted retaining bracket; to anchor the storage system to a wall/bulkhead (includes uni-strut channel and clamp set for each bottle) or installed in a welded steel rack (RCK-0037). If the rack option is chosen, we offer Horizontal (ref. ASY-0758) or Vertical (ref. ASY-0759) configurations. The approximate

weight of each 2-Position RCK-0037 is 130 pounds; for multiple cylinder configurations, you would use the requisite number of RCK-0037s.

“BULK” systems are supplied with an inlet fitting (1/4” female), check valve, pressure gauge, the appropriate number of interconnecting stainless-steel pigtails (predicated on the number of cylinders), and an outlet fitting (1 /4” female). When utilizing the RCK-0037’s, the system is installed and tubed; when utilizing the uni-strut rack, these components are shipped loose for installation in the field.

“BANK” systems are designed to be used in conjunction with a Bauer Four (4) Bank Cascade Panel. We do not supply a pressure gauge or check valve as there are a gauge and check valve for each “bank” integral to the aforementioned cascade panel. The inlet and outlet are a common fitting; our standard supply includes ¼” male hose connectors for each cylinder.

Mounting / Installation hardware to incorporate a “BANK” or “BULK” storage system with other components (SCBA Fill Station & Compressor) is not included as it is site-specific to the application and can be ordered separately.

ASME AIR STORAGE SYSTEM

Model	
ASME 5000 PSIG (345)	
CYL-0009	1 cylinder
ASME5K-1	1 cylinder
ASME5K-2	2 cylinders
ASME5K-3	3 cylinders
ASME5K-4	4 cylinders
ASME5K-5	5 cylinders
ASME5K-6	6 cylinders
ASME 6000 PSIG (4 14)	
CYL-0009	1 cylinder
ASME6K-1	1 cylinder
ASME6K-2	2 cylinders
ASME6K-3	3 cylinders
ASME6K-4	4 cylinders
ASME6K-5	5 cylinders
ASME6K-6	6 cylinders

ASME AIR STORAGE SYSTEM - 7K

Model	
ASME 7000 PSIG (345)	
ASME7K-2 (3:1)	2 cylinders
ASME7K-4 (3:1)	4 cylinders
ASME7K-1 (4:1)	1 cylinder

ASME (AMERICAN SOCIETY MECHANICAL ENGINEERS)

Bauer Compressors offers ASME Storage Cylinders (CYL-0009) in three (3) pressure ratings: 5000 psi, 6000 psi, and 7000 psi. CYL-0009 will have a 4:1 Safety Factor at a working pressure of 5250 psi and a 3:1 Safety Factor at a working pressure of 7000 psi. The CYL-0009 has an approximate empty weight of 400 pounds. These cylinders are Made In The USA and are built to ASME Boiler and Pressure Vessel Code, Section VIII Division 1 and are for non-corrosive service.

The ASME cylinders are available individually as well as in “BULK” or “BANK” configurations; just add to the model name (i.e., ASME6K-4/BULK). The “BULK” and “BANK” configurations are available in conjunction with and installed in a welded steel rack (RCK-0037). If the rack option is chosen, we offer Horizontal (ref. ASY-0758) or Vertical (ref. ASY-0759) configurations. The approximate weight of each 2-Position RCK-0037 is 130 pounds; for multiple cylinder configurations, you would use the requisite number of RCK-0037s.

“BULK” and “BANK” cylinder assemblies include the specified number of CYL-0009’s, which are equipped with a cylinder valve, a drain

valve, and an ASME pressure relief valve. “BULK” systems will additionally include a pressure gauge for each CYL-0009, an inlet fitting (1/4” female), a check valve, the appropriate number of interconnecting stainless-steel pigtails (predicated on the number of CYL-0009’s), and an outlet fitting (1/4” female). When utilizing the RCK-0037’s, the system is installed and tubed; when the RCK-0037 is not required, these components are shipped loose for installation in the field.

“BANK” systems are designed to be used in conjunction with a Bauer Four (4) Bank Cascade Panel. We do not supply a pressure gauge or check valve as there are a gauge and check valve for each “bank” integral to the aforementioned cascade panel. The inlet and outlet are a common fitting; our standard supply includes 1/4” male hose connectors for each cylinder.

Mounting / Installation hardware to incorporate a “BANK” or “BULK” storage system with other components (SCBA Fill Station & Compressor) is not included as it is site-specific to the application and can be ordered separately.

OPTIONAL ACCESSORIES - ASME AIR STORAGE SYSTEM

Item	Description
0001	Pressure Regulation Panel affixed to the RCK-0037
0002	RCK-/REG PNL/2-Outlets



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