

## 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: 05/01/18

› **PRESSURE:**

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		Price
UN 5000 PSIG (345)		
CYL-0098	1 cylinder	\$1,277.00
HC5000-1	1 cylinder	\$1,433.00
HC5000-2	2 cylinders	\$2,920.00
HC5000-3	3 cylinders	\$4,407.00
HC5000-4	4 cylinders	\$5,893.00
HC5000-5	5 cylinders	\$7,381.00
HC5000-6	6 cylinders	\$8,866.00
HC5000-7	7 cylinders	\$10,354.00
HC5000-8	8 cylinders	\$11,840.00
UN 6000 PSIG (4.14)		
CYL-0069	1 cylinder	\$1,968.00
HC6000-1	1 cylinder	\$2,074.00
HC6000-2	2 cylinders	\$4,208.00
HC6000-3	3 cylinders	\$6,340.00
HC6000-4	4 cylinders	\$8,474.00
HC6000-5	5 cylinders	\$10,606.00
HC6000-6	6 cylinders	\$12,739.00
HC6000-7	7 cylinders	\$14,872.00
HC6000-8	8 cylinders	\$17,006.00
UN CYLINDER RACKS AND RACK ACCESSORIES		
HC5000-1/6000-1	Wall mount retainer	\$148.00
	RCK-0037	\$656.00
HC5000-2/6000-2	Wall mount retainer	\$148.00
	RCK-0037	\$656.00
HC5000-3/6000-3	Wall mount retainer	\$193.00
	RCK-0037	\$1,312.00
HC5000-4/6000-4	Wall mount retainer	\$237.00
	RCK-0037	\$1,312.00
HC5000-5/6000-5	Wall mount retainer	\$282.00
	RCK-0037	\$1,968.00
HC5000-6/6000-6	Wall mount retainer	\$325.00
	RCK-0037	\$1,968.00
HC5000-7/6000-7	Wall mount retainer	\$370.00
	RCK-0037	\$2,624.00
HC5000-8/6000-8	Wall mount retainer	\$414.00
	RCK-0037	\$2,624.00

## UN PRESSURE RECEPTACLE (UNITED NATIONS MODEL REGULATIONS)

When ordering HC5000 and HC6000 cylinder assemblies please specify BULK or BANK by adding to the model name (i.e. HC5000-6/ BULK or HC5000-6/ BANK). When ordering BANK assemblies please specify the number of vessels required in each BANK (i.e. HC6000-6/BANK/2-2-1-1). Cylinder prices do not include storage rack. UN 5000 psig cylinders, CYL-0068, are manufactured in accordance to ISO 9809-2 specification. CYL-0068 are equipped with cylinder valves that have a CGA-347 connection and pressure relief device. Approximate empty weight 158 lbs. UN 6000 psig cylinders, CYL-0069, are manufactured in accordance to ISO 9809-2 specification. CYL-0069 are equipped with manifold style cylinder valves with 1/4” NPT ports set 180 degrees apart. Approximate empty weight 188 lbs. The mandatory retest period is every ten (10) years.

The scope of supply for HC5000 cylinder assemblies includes as many CYL-0068 as specified by the model name. The scope of supply for HC6000 cylinder assemblies includes as many CYL-0069 as specified by the model name. BULK assemblies will be equipped with an inlet fitting, check valve, pressure gauge, and outlet fitting. BANK assemblies are designed to be used with a BAUER four bank cascade panel. Gauges are not included as they are on the cascade panel. The inlet and outlet are common fitting as there is no check valve. Our standard scope of supply includes 1/4” hose connectors for HC5000 and HC6000 assemblies. When interconnecting pigtails are necessary, we supply stainless steel instead of our flexible hose. UN wall retainer includes unistrut channel and cylinder clamp set for each cylinder. We start with the UN-2 for two cylinders. Change

the model name to reflect the number cylinder positions required (i.e. UN-3, UN-4). Mounting hardware for installation is not included. RCK-0037 is heavy-duty, two-position, welded steel rack designed for horizontal or vertical cylinder configuration for stationary or mobile applications. Please specify configuration at time of order placement. Hardware for installation is not included. RCK-0037

weighs approximately 130 lbs. For storage assemblies installed in RCK-0037, reference BAUER drawing ASY-0758 for horizontal assemblies and ASY-0759 for vertical assemblies. All components are shipped loose unless purchased factory installed in RCK-0037. Installation, assembly and interconnecting piping to an existing system are the responsibility of the installer.

## ASME AIR STORAGE SYSTEM

Model		Price
ASME 5000 PSIG (345)		
CYL-0009	1 cylinder	\$2,476.00
ASME5K-1	1 cylinder	\$3,297.00
ASME5K-2	2 cylinders	\$6,667.00
ASME5K-3	3 cylinders	\$10,038.00
ASME5K-4	4 cylinders	\$13,409.00
ASME5K-5	5 cylinders	\$16,779.00
ASME5K-6	6 cylinders	\$20,150.00
ASME5K-7	7 cylinders	\$23,518.00
ASME5K-8	8 cylinders	\$26,889.00
ASME 6000 PSIG (4 14)		
CYL-0009	1 cylinder	\$2,752.00
ASME6K-1	1 cylinder	\$3,450.00
ASME6K-2	2 cylinders	\$6,873.00
ASME6K-3	3 cylinders	\$10,496.00
ASME6K-4	4 cylinders	\$14,020.00
ASME6K-5	5 cylinders	\$17,544.00
ASME6K-6	6 cylinders	\$21,068.00
ASME6K-7	7 cylinders	\$24,590.00
ASME6K-8	8 cylinders	\$28,113.00
ASME CYLINDER RACKS		
ASME5K-1/ASME6K-1	RCK-0037	\$656.00
ASME5K-2/ASME6K-2	RCK-0037	\$656.00
ASME5K-3/ASME6K-3	RCK-0037	\$1,312.00
ASME5K-4/ASME6K-4	RCK-0037	\$1,312.00
ASME5K-5/ASME6K-5	RCK-0037	\$1,968.00
ASME5K-6/ASME6K-6	RCK-0037	\$1,968.00
ASME5K-7/ASME6K-7	RCK-0037	\$2,624.00
ASME5K-8/ASME6K-8	RCK-0037	\$2,624.00

## ASME (AMERICAN SOCIETY MECHANICAL ENGINEERS)

When ordering ASME5K and ASME6K assemblies please specify BULK or BANK by adding to the model name (i.e. ASME5K-6/BULK or ASME5K-6/BANK). When ordering BANK assemblies please specify the number of vessels required in each BANK (i.e. ASME5K-6/BANK/2-2-1-1). Cylinder prices do not include storage rack. ASME cylinders conform to the ASME Code Section VIII, Division 1 Latest Edition and are for non-corrosive service. ASME cylinders have a 3 to 1 (3:1) safety factor at 6000 psig and a 4 to 1 (4:1) safety factor at 5000 psig. The scope of supply for ASME5K and ASME6K cylinder assemblies includes as many CYL-0009 as specified by the model name. In addition, we will provide an ASME safety relief valve, cylinder valve and drain valve for each cylinder. BULK assemblies will be equipped with an inlet fitting, check valve, pressure gauge, and outlet fitting. BANK assemblies are designed to be used with a BAUER four bank cascade panel. Gauges are not included as they

are on the cascade panel. The inlet and outlet are common fitting as there is no check valve. Our standard scope of supply includes 1/4" hose connectors for ASME5K and ASME6K assemblies. When interconnecting pigtails are necessary, we supply stainless steel instead of flexible hose. RCK-0037 is a heavy-duty, two-position, welded steel rack designed for horizontal or vertical cylinder configuration for stationary or mobile applications. Please specify configuration at time of order placement. Hardware for installation is not included. RCK-0037 weighs approximately 130 lbs. For storage assemblies installed in RCK-0037, reference BAUER drawing ASY-0758 for horizontal assemblies and ASY-0759 for vertical assemblies. Installation, assembly and interconnecting piping to an existing system are the responsibility of the installer.