

Gas Cylinder Storage & Handling

Industrial compressed gas cylinders can explode, fall with crushing force, or even blast through a room. The gas contained inside may also be flammable, poisonous, corrosive or a combination of these hazards. Due to the many risks and the cumbersome shape and size of these containers, it is vital to use caution and follow protocol when handling, transporting, and storing them, as required by the Compressed Gas Association.

BHS manufactures cylinder storage and transport equipment from heavy-duty welded steel which is finished with a protective powder coating. The range of models offer storage solutions that are forkliftable, and can be used indoors or outdoors. Restraints are provided on vertical storage units to secure cylinders. Cylinder storage cabinets and lockers are also padlockable, providing protection from unauthorized handling.



SECURE STORAGE FOR ALL TYPES OF GAS CYLINDERS

BHS products are ready to meet any challenge. Fully custom builds available on request. Contact us at bhs@bhs1.com to learn more.

GAS CYLINDER CABINET

GAS CYLINDER STORAGE & HANDLING

The Gas Cylinder Cabinet (GCC) is a heavy-duty formed and welded cage used to securely store industrial cylinders, like oxygen or acetylene. The walls and door are comprised of laser-slotted metal to provide security, visibility of contents, as well as natural ventilation. The GCC can be transported by forklift.* The door hinges are welded for strength and the door can be locked to prevent unauthorized access.



SECURE DESIGN

Welded steel doors with an integral locking system prevent unauthorized access. Heavy-duty steel construction withstands accidental collisions.



FULL VENTILATION

Laser-slotted walls provide adequate ventilation, in compliance with OSHA and Compressed Gas Association standards. Free airflow does not interfere with security.



EASY ACCESS

A hinged ramp provides easy access via cylinder dolly or Cylinder Transporters. Pins secure the ramp in the vertical position when not in use.



INTEGRATED STRAP MOUNTS

Welded strap mounts help to secure cylinders in the upright position (straps not included).

LIFTING EYE BOLTS

Four lifting eyes for hoisting unit*



INTEGRAL HANDLE & LOCKING SYSTEM

The secure design of our integral handle and locking system prevents unauthorized access to your equipment.



GCC-20-FW



ERGONOMIC RAMP DESIGN

The hinged ramp† provides easy access for loading/unloading gas cylinders. When not in use, the ramp can be flipped up and pin-secured, allowing access to two-way fork pockets.



CUSTOM ENGINEERING

BHS can custom manufacture models to fit your specifications

** Do not attempt to transport unit while loaded with gas cylinder(s).*

† GCC-8-H is not equipped with ramp.

MODEL	DESCRIPTION	OVERALL WIDTH	OVERALL DEPTH	OVERALL HEIGHT*	WEIGHT
GCC-9	Store (9) 9" diameter cylinders	32" / 813 mm	32" / 813 mm	84" / 2134 mm	385 lb / 175 kg
GCC-12	Store (12) 9" diameter cylinders	33" / 838 mm	42" / 1067 mm	84" / 2134 mm	460 lb / 209 kg
GCC-20	Store (20) 9" diameter cylinders	50" / 1270 mm	50" / 1270 mm	84" / 2134 mm	685 lb / 311 kg
GCC-20-FW	Store (10) 9" diameter high-pressure or (6) 12" diameter fuel-gas cylinders per side with OSHA-compliant firewall separating compartments	50" / 1270 mm	50" / 1270 mm	84" / 2134 mm	925 lb / 420 kg
GCC-6-H	Store (6) 12" diameter LP tanks, horizontally on rearward-sloped shelves. Complies with OSHA 1910.110.	32" / 813 mm	26.25" / 667 mm	50" / 1270 mm	300 lb / 187 kg
GCC-8-H	Store (8) 12" diameter LP tanks, horizontally on rearward-sloped shelves. Complies with OSHA 1910.110.	32" / 813 mm	36.56" / 929 mm	63" / 1600 mm	412 lb / 187 kg

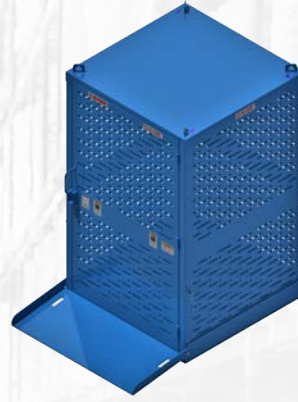
* Overall height includes lifting eyes.



GCC-9



GCC-12



GCC-20



GCC-20-FW



GCC-6-H



GCC-8-H

Refuel Multiple LP Forklifts on a Single Run

Pair cylinder storage with BHS's Propane Tugger Trailer (PTT-6) for refueling LP Forklifts. The PTT-6 holds up to six 33 lb propane tanks, features an integrated hydraulic crane, and a universal tow bar, compatible with all types of electric tuggers. Contact a BHS Representative for more details.



CYLINDER TRANSPORTER

GAS CYLINDER STORAGE & HANDLING

The BHS Cylinder Transporter (CT) provides safe and efficient handling of industrial, compressed gas cylinders. The CT securely stores cylinders and can be transported by way of fork pockets or easily maneuvered by casters. Capacity varies depending on the size of the cylinders.



QUICK- RELEASE CYLINDER RESTRAINTS

Cylinder Transporters store gas cylinders in a fixed, upright position, locking them into place with steel restraints. Remove restraint pins to quickly load or unload the unit.



OSHA-COMPLIANT

Safety regulations require users to store gas cylinders upright, and to prevent them from knocking into one another during transportation. Cylinder Transporters are designed to comply with these and other OSHA standards.



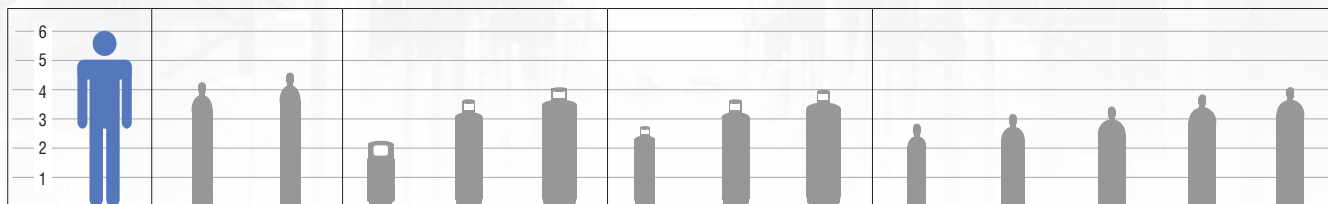
TRAVEL VIA CASTERS OR FORKLIFT

This dedicated cylinder cart rolls smoothly on six-inch polyurethane casters. Alternatively, fork pockets in the base provide easy access for lift trucks.



STEEL, POWDER-COATED MATERIALS

Welded steel construction provides extreme durability. The powder-coat finish prevents corrosion and chemical damage, further extending service life.



COMMON INDUSTRIAL CYLINDERS

CYLINDER TYPE	STD HIGH PRESSURE		PROPANE (STEEL)			PROPYLENE			ACETYLENE				
SIZE	200	300	33	60	100	25.5	60	100	SM	MED	LG310	LG390	LG420
VOLUME	200 ft ³	300 ft ³	33 ft ³	60 ft ³	100 ft ³	25.5 ft ³	60 ft ³	100 ft ³	110–140 ft ³	200–250 ft ³	300–340 ft ³	397 ft ³	420 ft ³
TARE WEIGHT	117 lb	139 lb	36 lb	48 lb	77 lb	25.9 lb	48 lb	75 lb	70 lb	120 lb	168 lb	170 lb	178 lb
HEIGHT	51"	55"	27"	44"	49"	33"	44"	48"	34"	38"	41"	46"	49"
DIAMETER	9"	9"	12"	12"	15"	9"	12"	15"	8"	10"	12"	12"	12"
WATER CAPACITY	43.2 L	49 L	36.3 L	64.8 L	108.4 L	26 L	48 L	75 L	25 L	42.7 L	53.3 L	68 L	71.7 L

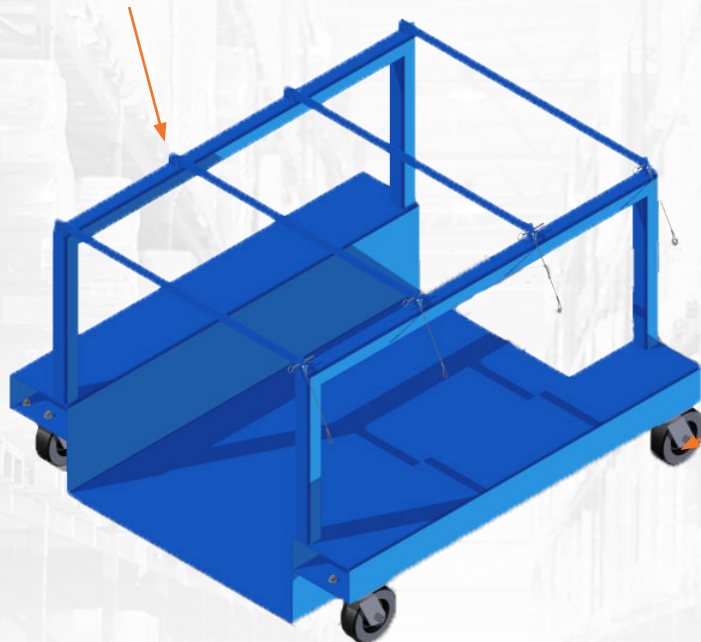
CYLINDER QUANTITY PER MODEL

CT-4	8	8	4	4	4	8	4	4	12	6	4	4	4
CT-6	12	12	6	6	6	12	6	6	18	9	6	6	6
CT-8	16	16	8	8	8	16	8	8	24	12	8	8	8

Cylinder values are approximate. Tare weight does not include cap.

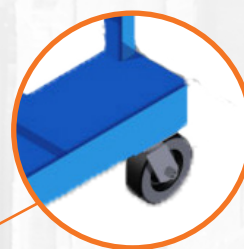
QUICK RELEASE CYLINDER RESTRAINTS

Formed steel retainer bars are hinged and pin-secured between compartments to hold gas cylinders in place, and are quickly released for convenient access from either side for loading and unloading



CT-6

EFFICIENT TRANSPORTATION



Cylinder transports are easily moved anywhere on the job site on 6 inch casters or by using the fork pockets located in the base to provide access to lift trucks.



CT-4



CT-8

MODEL	OVERALL WIDTH	OVERALL LENGTH	OVERALL HEIGHT	WEIGHT
CT-4	31.625" / 803 mm	64" / 1626 mm	31 7/8" / 810 mm	293 lb / 133 kg
CT-6	46.625" / 1184 mm	48.25" / 1226 mm	31 7/8" / 810 mm	275 lb / 125 kg
CT-8	46.625" / 1184 mm	64" / 1626 mm	31 7/8" / 810 mm	348 lb / 158 kg

CYLINDER TRANSPORTER CAGE

GAS CYLINDER STORAGE & HANDLING

The Cylinder Transporter Cage (CTC) is a heavy-duty formed and welded cage used to securely store and transport small industrial cylinders, like propane or propylene. The walls, roof, and door are comprised of thick gauge expanded metal to provide security, visibility of contents, as well as natural ventilation. The CTC can be manually maneuvered with push bar and casters, or transported longer distances by forklift. The door hinges are welded for strength, the door can be padlocked to prevent unauthorized access, and a strike protector defends the padlock.



DEDICATED EQUIPMENT

Using strong transport cages specifically designed for the task of handling gas cylinders makes following strict protocol easier.



SECURE STORAGE

Door hinges are welded for strength, the door can be padlocked to prevent unauthorized access, and a strike protector defends the padlock.



FULL VENTILATION

The caged exterior not only provides visibility of contents but also full ventilation without compromising durability.



MOBILITY

This dedicated cylinder cart rolls smoothly on six-inch polyurethane casters. Fork pockets also allow transport of the unit by forklift.

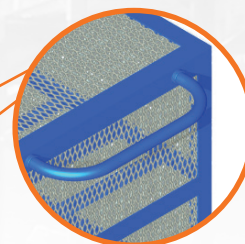
DURABILITY

The heavy-duty steel cage provides the durability necessary to transport the cylinders anywhere needed with little to no wear and tear.



CTC-6

TRANSPORTATION VERSATILITY



Cylinder Transport Cages are easily moved throughout the jobsite. The CTC can be manually maneuvered with a push bar and casters or lifted by a forklift using the fork pockets located at the bottom of the model.



CTC-4



CTC-8

Model	Overall Width	Overall Length	Overall Height	Weight
CTC-4	31 5/8" / 803 mm	32.5" / 826 mm	34 3/8" / 873 mm	255 lb / 116 kg
CTC-6	51 1/8" / 1299 mm	32.5" / 826 mm	43 3/8" / 1102 mm	356 lb / 161 kg
CTC-8	36 1/16" / 789 mm	32.5" / 826 mm	64 3/8" / 1635 mm	394 lb / 179 kg

CYLINDER STOREHOUSE

GAS CYLINDER STORAGE & HANDLING

The Cylinder Storehouse (CSH) is a heavy-duty formed and welded frame providing rigid and secure storage for industrial cylinders or any other valuable items. This cylinder locker provides visibility of contents, allows free air-flow to combat leak hazards, and also protects gas cylinders from tampering. The CSH is modular and can be expanded as needed. Fork pockets make it easy to place units on-site. The pitched roof minimizes exposure to the elements. The door can be padlocked to prevent unauthorized access, a strike protector defends the padlock, and the door hinges are welded for strength.



INDOOR/OUTDOOR USE

A pitched roof protects contents from weather, while the powder-coat finish prevents corrosion. The Cylinder Storehouse is ideal for outdoor storage, but it also secures gas cylinders within facilities.



MEETS OR EXCEEDS SAFETY STANDARDS

OSHA regulations require employers to store gas cylinders in a “well-protected, well-ventilated, dry location.” Cylinder storehouses meet these and other safety requirements, including those issued by the Compressed Gas Association.



CONTROL ACCESS

Welded door hinges and a padlock strike protector prevent any unauthorized entry. A heavy-duty steel frame protects contents.

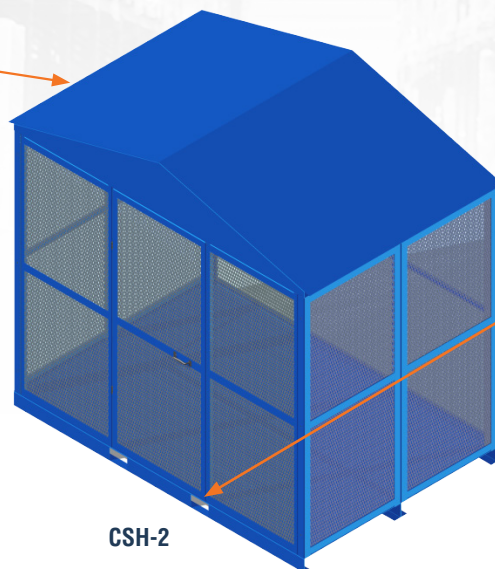


MODULAR, EXPANDABLE DESIGN

The modular construction of the Cylinder Storehouse allows users to add square footage as their gas requirements grow. All units incorporate fork pockets for easy handling with lift trucks.

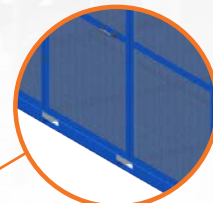
WEATHER PROTECTION

The pitched roof prevents unwanted elements from damaging contents and provides additional height clearance at the peak.



CSH-2

ERGONOMIC RELOCATION



Cylinder Storehouses are easily moved by using the fork pockets located in the base to provide access to lift trucks.



CSH-3

Model	Overall Width	Overall Length	Overall Height	Weight
CSH-2	97" / 2464 mm	70" / 1778 mm	90" / 2286 mm	1,550 lb / 703 kg
CSH-3	97" / 2464 mm	102" / 2591 mm	90" / 2286 mm	2,000 lb / 907 kg