

Proper Gas Cylinder Storage: Ensuring Safety, Compliance, and Efficiency in Industrial Applications



The Occupational Safety and Health Administration (OSHA) has documented numerous gas cylinder incidents causing fatalities and severe injuries.

Gas explosions can result in costs ranging from \$1 million to \$2 million per incident, alongside legal claims for medical expenses, lost wages, and property damage. For businesses, these accidents often lead to higher insurance premiums and potential OSHA fines, highlighting the critical need for strict safety measures and proper handling practices.

Why do I need Gas Cylinder Storage Equipment?

Gas cylinder storage is essential in industrial applications for several reasons, primarily related to safety, operational efficiency, and compliance with regulations.



Compliance and Regulations

Regulatory bodies like OSHA mandate specific guidelines for handling and storing compressed gas cylinders to ensure workplace safety. Non-compliance can result in legal liabilities, fines, or operational shutdowns.



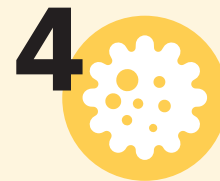
Safety

Improper storage of gas cylinders can lead to serious hazards such as explosions, fires, toxic gas leaks, or environmental contamination. For example, flammable gases like acetylene or propane can ignite if exposed to heat or sparks, while toxic gases can harm health if leaked.



Preventing Physical Damage

Cylinders must be stored upright and secured with chains or straps to prevent tipping or impact. A damaged valve could cause rapid gas release, turning the cylinder into a dangerous projectile.



Preventing Contamination

Proper storage ensures that gases remain uncontaminated, which is critical for industries requiring high-purity gases, such as healthcare, pharmaceuticals, and manufacturing.



Operational Efficiency

Proper storage facilitates easy access and organized handling of cylinders. Separating full and empty cylinders and labeling them clearly helps streamline operations and avoid confusion.

Invest in Justrite's gas cylinder storage equipment today and experience the perfect blend of safety, efficiency, and durability in your workplace.

Features and Benefits

Justrite gas cylinder storage solutions offer superior safety, durability, and compliance for flammable and compressed gas cylinders, ensuring optimal protection for personnel, facilities, and the environment.

COMPLIANCE AND SAFETY-FIRST DESIGN



Approvals and compliance

Meets or exceeds OSHA, NFPA, and CSA requirements.



Gas Separation

Fire barriers available for separating oxidizing and flammable gases.



Secures Hazardous Materials

Straps and chains to prevent tipping and secure cylinders.



Reduces Physical Strain

Zero-lift height feature in hand trucks to minimize physical strain.



Efficient Water and Ice Shedding

Solid aluminum roof panel that slants toward the back to shed water and ice.

ROBUST CONSTRUCTION



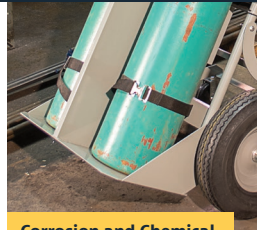
Rust-resistant, Corrosion-free Design

Built with high-quality materials, 1-inch and 1.25-inch diameter steel tubing, resistant to rust, corrosion, and discoloration.



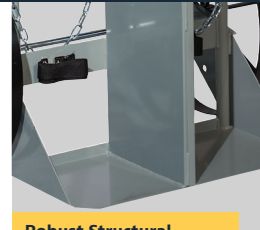
Continuous Welded Construction

Continuous welding for enhanced durability, reduces need for frequent equipment replacement.



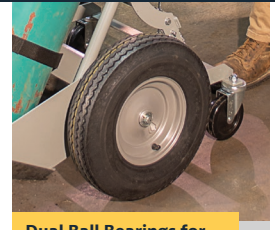
Corrosion and Chemical Resistant Paint

Smooth powder-paint finish for corrosion and chemical resistance.



Robust Structural Framing

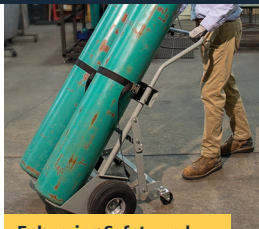
Extensive structural framing with 0.375-in (10-mm) thick hoist plate permits safe lifting by hoist rigs to eliminate unauthorized access or theft.



Dual Ball Bearings for Effortless Rolling

All main wheels have dual ball bearings for easier rolling—less effort required.

VERSATILE STORAGE OPTIONS



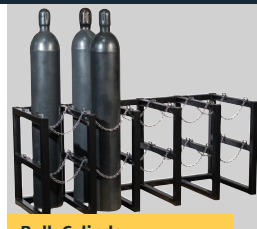
Enhancing Safety and Simplified Transportation

Gas cylinder carts for easy transportation, minimizes risk of accidents and injuries from improper cylinder handling.



Prevents Tipping Hazards

Stands and brackets for secure upright storage, prevents dangerous tipping situations.



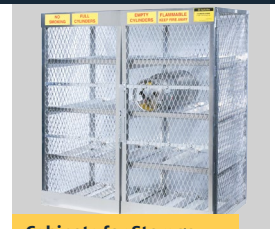
Bulk Cylinder Management

Storage racks for bulk indoor/outdoor cylinder storage, enables storage and movement, saving time and effort.



Organization with Forklift Pallets

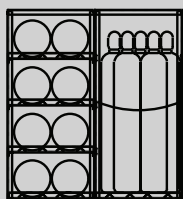
Forklift pallets for efficient movement of multiple cylinders, Facilitates easy access and organization of gas cylinders.



Cabinets for Storage and Organization

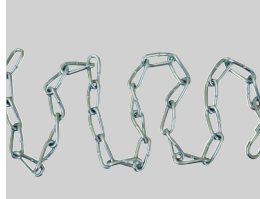
Aluminum cabinets for horizontal or vertical storage, Facilitates easy access and organization of gas cylinders.

CUSTOMIZABLE SOLUTIONS



Versatile Sizes and Configurations

Various sizes and configurations available for different cylinder types and quantities.



Accessories & Replacement Parts Available

Accessories and replacement parts for enhanced functionality.



Improves Transportation and Storage Process

Streamlines cylinder transportation and storage processes.



Cost-effectiveness

Reduces need for frequent equipment replacement.



Storage Optimization

Optimizes storage space, potentially reducing facility costs.

Hand Trucks

Single Gas-Cylinder Hand Trucks

Specially designed to load and transport heavy gas-cylinders and minimize accidents or injuries

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Constructed of 1-in (25-mm) and 1.25-in (32-mm) diameter steel tubing with continuous welding
- V-shaped cylinder support cradles keep cylinder secure, reducing cylinder rolling common in curved back designs
- Durable, 1.5-in (38-mm) wide poly straps with steel cinch buckles, lab tested to 1138-lb (516-kg), for safe transport
- Heavy-duty, 11-gauge (3-mm) floor plate with safety fins prevent warping or breaking
- Unique zero-lift height loading eliminates the need to lift cylinder during loading and unloading
- Corrosion-resistant powder-coat finish

Models 35004, 35006, and 35008 include 3-in (5-mm) swivel caster assemblies for stable transport—fold flat for storage.



Hand trucks feature heavy floor plate with zero-lift height load.

Four wheels for easier, safer transport.



Max Cylinder Diameter in/mm	Wheel Type	Wheel Size in/mm	Rear Casters in/mm	H x W x D	Straps per Cylinder	Weight Capacity lb/kg	Approv/Lstg Regulation	Model
12/305	Semi-pneumatic	8/203	—	47 x 18 x 16 in (1194 x 457 x 406 mm)	1	300/136	O, C, G, A	35000
12/305	Pneumatic	10.5/267	—	47 x 23 x 18 in (1194 x 584 x 457 mm)	1	700/318		35002
12/305	Semi-pneumatic	8/203	3/76	47 x 18 x 16 in (1194 x 457 x 406 mm)	1	700/318		35004
12/305	Pneumatic	10.5/267	3/76	47 x 21 x 19 in (1194 x 533 x 483 mm)	1	1000/454		35006
12/305	Flat-free	10/254	3/76	47 x 21 x 19 in (1194 x 533 x 483 mm)	1	1000/454		35008
18/457	Pneumatic	16/406	—	49 x 36 x 32 in (1245 x 914 x 813 mm)	2	1000/454		35010
18/457	Flat-free	10/254	—	49 x 36 x 32 in (1245 x 914 x 813 mm)	2	700/318		35012

Double Gas-Cylinder Hand Trucks

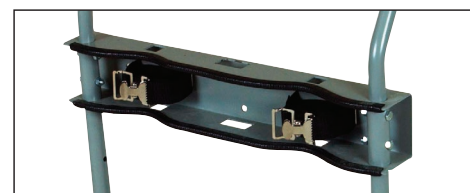
Never compromise safety when handling heavy compressed gas-cylinders—transport two gas cylinders and avoid accidents

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Constructed of 1-in (25-mm) and 1.25-in (32-mm) diameter steel tubing with continuous welding
- 11-gauge (3-mm) steel floor plate with safety fins prevents warping or breaking
- The unique zero-lift height floor plate lays flat, eliminates the need to lift cylinder during loading and unloading
- Corrosion-resistant powder coat finish for long life
- Heavy-duty 1.5-in (38-mm) wide poly straps, lab tested to 1138-lb (516-kg), with steel cinch buckles—eliminates potential cylinder rolling
- All main wheels have dual ball bearings for easier rolling—less effort required

Models 35032 and 35036 include wide-set, dual rear casters for increased stability and maneuverability.



Double cylinder hand truck holds gas-cylinders in place independently for improved safety.



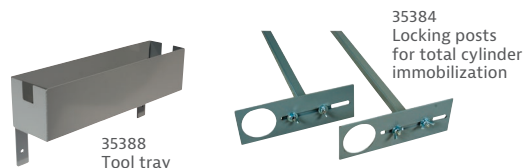
Bumper guard vinyl edging reduces scratches/dents.

Max Cylinder Diameter in/mm	Wheel Type	Wheel Size in/mm	Rear Casters in/mm	H x W x D	Straps per Cylinder	Weight Capacity lb/kg	Approv/Lstg Regulation	Model
(1) 10/254 (1) 13/330	Pneumatic	10.5/267	—	47 x 33 x 19 in (1194 x 838 x 483 mm)	1	700/318	O, C, G, A	35028
(1) 10/254 (1) 13/330	Flat-free	10/254	—	47 x 33 x 19 in (1194 x 838 x 483 mm)	1	700/318		35030
(1) 10/254 (1) 13/330	Pneumatic	10.5/267	3/76	47 x 32 x 20 in (1194 x 800 x 508 mm)	1	1000/454		35032
(1) 10/254 (1) 13/330	Pneumatic	16/406	5/127	47 x 34 x 27 in (1194 x 864 x 686 mm)	1	1000/454		35036
(1) 10/254 (1) 13/330	Steel	20/508	—	47 x 32 x 27 in (1194 x 813 x 610 mm)	1	600/272		35020
(1) 10/254 (1) 13/330	Pneumatic	16/406	—	47 x 34 x 27 in (1194 x 864 x 686 mm)	1	1000/454		35038

Accessories for Double-Cylinder Hand Trucks

Description	H x W x D*	Model
Tool tray attachment	8 x 20 x 5 in (203 x 508 x 127 mm)	35388
Tool tray attachment with lockable lid	8 x 20 x 5 in (203 x 508 x 127 mm)	35386
Cylinder locking post and collar, set of two	43 x 4 x 8 in (1092 x 102 x 203 mm)	35384

*Actual tool box dimensions are 5 x 20 x 5 in (203 x 508 x 127 mm)



Hand Trucks

Gas-Cylinder Hand Trucks with Firewall

Transport safely with one-hour fire barrier—designed for fuel and oxidizer cylinders used in welding applications

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Durable 1.25-in (32-mm) diameter steel tube construction with continuous welding
- 11-gauge (3-mm) steel floor plate
- The zero-lift height eliminates need to lift cylinder during loading and unloading
- Corrosion-resistant powder-coat finish
- Heavy-duty 1.5-in (38-mm) wide poly straps, lab tested to 1138-lb (516-kg), with cinch buckles eliminate cylinder rolling potential. Secondary loop chains included.
- Triple-grip push handle enhances safety on top-heavy loads with improved leverage and swing radius
- Hoist-lift models include locking posts and collar plates and tool box attachment with integral lockable lid

Models 35044 and 35052 include 5-in (127-mm) wide-set, dual rear swivel casters for increased stability and maneuverability.



Firewalls exceed minimum separation requirements for extended storage of fuels and oxidizers in close proximity.



To eliminate unauthorized access or theft of gas-cylinders, construction sites often use a hand truck with hoist lift to suspend the unit.

Max Cylinder Diameter in/mm	Wheel Type	Wheel Size in/mm	Rear Casters in/mm	Hoist Ring w/Locking Posts	Tool Box	H x W x D	Straps per Cylinder	Approv/Lstg Regulation	Weight Capacity lb/kg	Model
(1) 10/254 (1) 13/330	Pneumatic	16/406	—	—	—	61 x 35 x 26 in (1549 x 889 x 660 mm)	2 + Chain	O, C, G, A	1000/454	35040
(1) 10/254 (1) 13/330	Pneumatic	10.5/267	—	—	—	61 x 35 x 23 in (1549 x 889 x 584 mm)	2 + Chain		700/318	35042
(1) 10/254 (1) 13/330	Pneumatic	16/406	5/127	—	—	61 x 35 x 26 in (1549 x 889 x 660 mm)	2 + Chain		1000/454	35044
(1) 10/254 (1) 13/330	Steel	20/508	—	—	—	61 x 32 x 28 in (1549 x 813 x 711 mm)	2 + Chain		600/272	35046
(1) 10/254 (1) 13/330	Steel	20/508	—	Yes	Yes	64 x 32 x 28 in (1626 x 813 x 711 mm)	2 + Chain		600/272	35048
(1) 10/254 (1) 13/330	Pneumatic	16/406	—	Yes	Yes	64 x 35 x 26 in (1626 x 889 x 660 mm)	2 + Chain		600/272	35050
(1) 10/254 (1) 13/330	Pneumatic	16/406	5/127	Yes	Yes	64 x 35 x 26 in (1626 x 889 x 660 mm)	2 + Chain		600/272	35052

Accessories for Gas-Cylinder Hand Trucks with Firewall

Description	H x W x D*	Model
Tool tray attachment	8 x 20 x 5 in (203 x 508 x 127 mm)	35388
Tool box attachment with lockable lid	8 x 20 x 5 in (203 x 508 x 127 mm)	35386
Cylinder locking post and collar, set of two	43 x 4 x 8 in (1092 x 102 x 203 mm)	35384

*Actual tool box dimensions are 5 x 20 x 5 in (203 x 508 x 127 mm)

Gas-Cylinder Hand Trucks with Hoist Ring

Move gas-cylinders easily in construction locations with poor accessibility, or from floor-to-floor—good for welding gas-cylinders on jobsite

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Structural steel framing with 0.375-in (10-mm) thick hoist plates
- Fully welded construction using 1.25-in (32-mm) diameter steel tube
- 11-gauge (3-mm) steel floor plate
- Zero-lift height loading eliminates the need to lift cylinder during loading and unloading
- Triple-grip handle design helps control improved leverage and swing radius.
- Corrosion-resistant powder-coat finish throughout
- Two heavy-duty 1.5-in (38-mm) wide poly straps, lab tested to 1138-lb (516-kg), with steel cinch buckles eliminate cylinder rolling potential

Models 35022 and 35026 include dual rear swivel casters for increased stability and maneuverability—35022 also includes a tool tray. Caster carriage steel hinge bars for folding against rear of truck and easy storage.



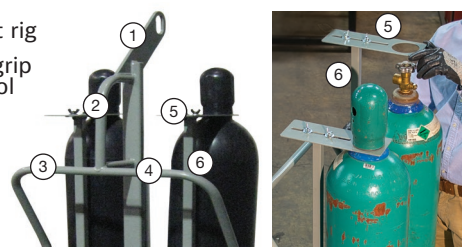
Hoist rings for transport and lifting of cylinders, or lowering into hard-to-access areas such as boats and submarines.



1 – Robust hoist rig

2, 3, 4 – Triple grip handle to control heavy loads

5, 6 – Locking system with collar and post for total immobilization



Cylinder Capacity	Max Cylinder Diameter in/mm	Wheel Type	Wheel Size in/mm	Rear Casters in/mm	Tool Tray	H x W x D	Straps per Cylinder	Approv/ Lstg Regulation	Weight Capacity lb/kg	Model
1	12/305	Pneumatic	10.5/267	—	—	70 x 21 x 19 in (1778 x 533 x 483 mm)	2	O, C, G, A	300/136	35016
2	(1) 10/254 (1) 13/330			3/76	Yes	69 x 35 x 22 in (1753 x 889 x 559 mm)			600/272	35022
	(1) 10/254 (1) 13/330			—	—	69 x 35 x 22 in (1753 x 889 x 559 mm)			600/272	35024
	(1) 10/254 (1) 13/330			3/76	—	69 x 35 x 22 in (1753 x 889 x 559 mm)			600/272	35026
	(1) 10/254 (1) 13/330	Steel	20/508	—	—	69 x 32 x 28 in (1753 x 813 x 711 mm)			600/272	35018
	(1) 10/254 (1) 13/330	Pneumatic	16/406	—	—	69 x 35 x 26 in (1753 x 889 x 660 mm)			600/272	35034

Extra Accessories for Gas-Cylinder Hand Trucks with Hoist Ring

Description	H x W x D*	Model
Tool tray attachment	8 x 20 x 5 in (203 x 508 x 127 mm)	35388
Tool box attachment with lockable lid	8 x 20 x 5 in (203 x 508 x 127 mm)	35386

*Actual tool box dimensions are 5 x 20 x 5 in (203 x 508 x 127 mm)

Hand Trucks

Lift-and-Load Cylinder Hand Truck

Safely raise and position gas-cylinders using integral jack and hand crank

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Lift system with 11-inch (279-mm) extension makes lifting easy with approximately 10 turns of the crank per vertical inch
- Built-in clamping system with chain secures the cylinder for lifting and transport
- Pneumatic main wheels and rear swivel casters increase stability and maneuverability
- Fully welded construction
- Powder-coat finish



Chain clamping system secures cylinder for lifting and transport



Lift-and-Load hand truck allows user to install heavy cylinders onto raised locations.

Max Cylinder Diameter in/mm	Wheel Type	Wheel Size in/mm	Rear Casters in/mm	H x W x D	Approv/Lstg Regulation	Weight Capacity lb/kg	Model
12/305	Pneumatic	10.5/267	3/76	56 x 22 x 20 in (1422 x 559 x 508 mm)	O, C, G, A	1000/454	35054

Safety Snap Cap for Gas-Cylinders

Protect and limit access to valve control

- Meets ISO 11117, DOT 49 CFR, CSA B340, and CGA V-9
- Fits most North American gas-cylinders
- Provides a lockout device that prevents unauthorized use—includes brass padlock
- Welded steel construction and powder-coat finish provides many years of use



Easily access the valve without having to remove the cap or regulator

Description	H x W x D	Approv/Lstg Regulation	Model
High pressure, fine thread, 3.125 in x 11UN	7.5 x 5 x 4 in (191 x 127 x 102 mm)	O, C, G, A	35358
Low pressure, fine thread, 3.5 in x 11UN			35360
High pressure, coarse thread, 3.125 in x 7UN			35362
Low pressure, coarse thread, 3.5 in x 8UN			35364

Gas-Cylinder Barricade Racks

Recommended for indoor or outdoor bulk cylinder storage—meet USGS high-hazard seismic zone requirements when properly mounted

- Complies with OSHA, CGA P-1, NFPA 55, NFPA 1, and USGS
- Square steel structural tubing—continuously seam welded at all junction points
- Exterior-grade powder-coat finish for durability and corrosion resistance
- Tops ground smooth and HDPE end caps prevent and injuries.
- Two levels of steel chains for each cylinder to the rack
- Pre-drilled holes for floor mounting
- For seismic installations, add model 35350 S4-rated anchor bolts (sold separately).
- For applications where both fuels and oxidizers are stored near one another, use a one-hour fire barrier between barricade racks



Secure and store cylinders in a barricade rack—visually inspect on a routine basis for any indication of leakage or problems.



Cylinder Capacity	Max Cylinder Diameter* in/mm	Cylinder Orientation W x D	Mount Holes	H x W x D	Approv/Lstg Regulation	Model
1	11/279	1 x 1	3	30 x 16 x 16 in (762 x 406 x 406 mm)	O, C, G, A, U	35080
2	11/279	1 x 2	4	30 x 16 x 26 in (762 x 406 x 660 mm)		35084
3	11/279	1 x 3	4	30 x 16 x 38 in (762 x 406 x 965 mm)		35090
4	11/279	1 x 4	4	30 x 16 x 50 in (762 x 406 x 1270 mm)		35096
2	11/279	2 x 1	3	30 x 30 x 16 in (762 x 762 x 406 mm)		35100
4	11/279	2 x 2	6	30 x 30 x 26 in (762 x 762 x 660 mm)	O, C, G, A, U	35106
6	11/279	2 x 3	6	30 x 30 x 38 in (762 x 762 x 965 mm)		35112
8	11/279	2 x 4	6	30 x 30 x 50 in (762 x 762 x 1270 mm)		35118

*Cylinder bays are 12-in (305-mm) wide

See next page for more sizes.

Barricade Racks & Pallets



End tops are capped with high-density polyethylene caps to reduce injuries from sharp edges while preventing dirt build-up and corrosion inside tube for a clean, quality look.



35122



35106



35188



35150



35172

Custom-made barricade racks

Options include stainless steel construction, process rails, and fire barriers attached to racks.

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Gas-Cylinder Barricade Racks (continued)

Cylinder Capacity	Max Cylinder Diameter in/mm	Cylinder Orientation W x D	Mount Holes	H x W x D	Approv/Lstg Regulation	Model
3	11/279*	3 x 1	4	30 x 44 x 16 in (762 x 1118 x 406 mm)	O, C, G, A, U	35122
6	11/279*	3 x 2	8	30 x 44 x 26 in (762 x 1118 x 660 mm)		35128
9	11/279*	3 x 3	8	30 x 44 x 38 in (762 x 1118 x 965 mm)		35134
12	11/279*	3 x 4	8	30 x 44 x 50 in (762 x 1118 x 1270 mm)		35140
4	11/279*	4 x 1	5	30 x 58 x 16 in (762 x 1473 x 406 mm)	O, C, G, A, U	35144
8	11/279*	4 x 2	10	30 x 58 x 26 in (762 x 1473 x 660 mm)		35150
12	11/279*	4 x 3	10	30 x 58 x 38 in (762 x 1473 x 965 mm)		35156
16	11/279*	4 x 4	10	30 x 58 x 50 in (762 x 1473 x 1270 mm)		35162
5	11/279*	5 x 1	6	30 x 70 x 16 in (762 x 1778 x 406 mm)	O, C, G, A, U	35166
10	11/279*	5 x 2	12	30 x 70 x 26 in (762 x 1778 x 660 mm)		35172
15	11/279*	5 x 3	12	30 x 70 x 38 in (762 x 1778 x 965 mm)		35178
20	11/279*	5 x 4	12	30 x 70 x 50 in (762 x 1778 x 1016 mm)		35182
1	11/279*	1 x 1	4	40 x 28 x 26 in (1016 x 711 x 660 mm)	O, C, G, A, U	35186
1	11/279*	1 x 1	4	40 x 38 x 36 in (1016 x 965 x 914 mm)		35184
2	11/279*	2 x 1	6	40 x 54 x 26 in (1016 x 1372 x 660 mm)		35188
2	11/279*	2 x 1	6	40 x 74 x 36 in (1016 x 1880 x 914 mm)		35190

*Cylinder bays are 12-in (305-mm) wide

Extra Accessories for Barricade Racks

Description	H x W x D	Model
Seismic-rated anchor, package of 1	0.5 in OD x 5.5 in (8 mm OD x 127 mm)	35350
One-hour fire barrier, one cylinder deep	60 x 12 x 2 in (1524 x 305 x 51 mm)	35352
One-hour fire barrier, two cylinders deep	75 x 28 x 2 in (1905 x 711 x 51 mm)	35354
One-hour fire barrier, four cylinders deep	75 x 52 x 2 in (1905 x 1321 x 51 mm)	35356



35350 Seismic anchor

Cylinder Forklift and Barricade Rack Pallets

Transport multiple gas cylinders securely with a forklift – heavy-gauge, powder-coated steel construction ensures longevity and chemical resistance

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Pallet models:** 7.75-in wide (197-mm) forklift channels with two-way access; includes a 10,000-lb (4,536-kg) DOT compliant strap that attaches to frame at 12-, 24- or 36-in (305-, 610- or 915-mm) from the deck.
- Model 35222** incorporates a one-hour fire-rated barrier for storage of fuels and oxidizers near each other.
- Forklift barricade rack models:** rectangular steel tube with two levels of steel chains for each cylinder; hinged ramp for easy loading and unloading. Tops ground smooth and capped with HDPE prevent corrosion and injuries.
- Individually-secured cylinder models:** heavy-duty 1.5-in (38-mm) wide poly straps, tested to 1138-lb (516-kg), feature steel cinch buckles for secure attachment of cylinder—two straps per cylinder.
- Low-profile model 35230** makes cylinder loading easier. Optional 41-in (1041-mm) chain set, model 35366, for a secondary means of support.



Model 35222 forklift barricade rack with one-hour firewall permits storage of fuels and oxidizers in close proximity of each other.



35230



35226
ramp down
for loading



35220



35228

Cylinder Capacity	Max Cylinder Diameter in/mm	Cylinder(s)/ Load Type	Ramp	Securement Style	H x W x D*	Approv/Lstg Regulation	Weight Capacity lb/kg	Model
6 (1)	9/229 (21/534)	Multiple end	—	Ratchet strap x 1	38 x 24 x 36 in (965 x 610 x 914 mm)	O, C, G, A	2400/1089	35210
6 (1)	9/229 (21/534)	Multiple end	Yes		38 x 24 x 54 in (965 x 610 x 1372 mm)		2400/1089	35212
14 (2)	9/229 (21/534)	Multiple end	—		38 x 32 x 48 in (965 x 813 x 1219 mm)		3600/1633	35214
14 (2)	9/229 (21/534)	Multiple end	Yes		38 x 32 x 66 in (965 x 813 x 1676 mm)		3600/1633	35216
21 (4)	9/229 (21/534)	Multiple end	—		38 x 48 x 48 in (965 x 1219 x 1219 mm)		6000/2722	35218
21 (4)	9/229 (21/534)	Multiple end	Yes		38 x 48 x 66 in (965 x 1219 x 1676 mm)		6000/2722	35220
12 (2)	9/229 (21/534)	Multiple back to back	—	Ratchet strap x 2	78 x 32 x 48 in (1981 x 813 x 1219 mm)		4000/1814	35222
6	10/254	Barricade	Yes	2 Chains per cylinder	37 x 24 x 54 in (940 x 610 x 1372 mm)		1800/816	35224
12	11/279	Barricade	Yes		33 x 48 x 66 in (838 x 1219 x 1676 mm)		3600/1633	35226
2	12/305	Individual end	—	2 Poly straps w/steel cinch	33 x 24 x 24 in (838 x 610 x 610 mm)		800/363	35228
4	12/305	Low profile back to back	—		32 x 39 x 24 in (813 x 991 x 610 mm)		1200/544	35230
4	12/305	Individual back to back	—		34 x 24 x 36 in (864 x 610 x 914 mm)		1200/544	35232
6	12/305	Individual back to back	—		34 x 24 x 36 in (864 x 610 x 914 mm)		1800/816	35234

*Where applicable, dimensions shown with ramp deployed. *Marinite® I is a registered trademark of BNZ Materials, Inc.

Support Brackets

Gas-Cylinder Support Brackets

Secure multiple gas-cylinders to wall or bench for safe and compliant storage

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Brackets accept cylinder sizes ranging from 4- to 12-in (102- to 305-mm) and 9- to 16-in (229- to 407-mm)
- Bumper guard edging with steel reinforced vinyl protects cylinders from damage while providing extra grip
- Constructed from heavy-gauge powder-coated steel, or unfinished stainless steel
- For bench mounting, use models to clamp to tables from 1- to 2.75-in (26 to 70-mm) thick
- Heavy-duty polypropylene support straps, 1.5-in (38-mm) wide and rated at 1138-lb (516-kg), feature steel cinch buckle and hold individual cylinders securely against bracket.
- Stainless steel brackets use a nylon side latch buckle to protect against corrosion



Secure gas-cylinders to wall or bench to prevent tipping.

Wall mount



35250



35252



35256 HDPE bracket



35254

Bench mount



35258



35260

Cylinder Capacity	Max Cylinder Diameter in/mm	Mount Type	Material	H x W x D	Straps Per Cylinder	Approv/Lstg Regulation	Model
1	12/305	Wall	Steel	4.25 x 8 x 2.25 in (108 x 203 x 57 mm)	1	O, C, G, A	35250
	12/305		Stainless steel	4.25 x 8 x 2.25 in (108 x 203 x 57 mm)	1		35252
	12/305		Steel	4.25 x 8 x 2.25 in (108 x 203 x 57 mm)	1 + Chain		35254
	12/305		HDPE	4 x 10.375 x 2.5 in (108 x 264 x 64 mm)	1 + Chain		35256
	12/305	Bench	Steel	4.25 x 8 x 4 in (108 x 203 x 102 mm)	1		35258
	12/305	Bench	Stainless steel	4.25 x 8 x 4.25 in (108 x 203 x 108 mm)	1		35260
	16/407	Wall	Steel	4.25 x 18 x 2.25 in (108 x 457 x 57 mm)	1		35262

See next page for more sizes.

Extra Accessories for Gas-Cylinder Support Brackets

Description	Material	Model
Chain, one-piece, 41 in (1041 mm) long	Steel	35366
	Stainless steel	35368



35366



All compressed gas-cylinders in service or in storage at user locations should be secured to prevent falling or rolling.



Straps with cinch buckle tightens to hold individual cylinders securely.



1. Long lasting heavy-duty steel
2. Smooth powder-paint finish for corrosion and chemical resistance
3. Exclusive bumper guard edging grips and protects cylinders
4. Chains provide a secondary support, extra safety



35276



35264

Gas-Cylinder Support Brackets (continued)

Cylinder Capacity	Max Cylinder Diameter in/mm	Mount Type	Material	H x W x D	Straps Per Cylinder	Approv/Lstg Regulation	Model
2	12/305	Wall	Steel	4 x 23.75 x 2 in (108 x 603 x 57 mm)	1	O, C, G, A	35264
			Stainless steel	4.25 x 23.75 x 2.25 in (108 x 603 x 57 mm)	1		35266
		Bench	Steel	4.25 x 23.75 x 2.25 in (108 x 603 x 57 mm)	1 + Chain		35268
			Steel	4.25 x 23.75 x 4 in (108 x 203 x 102 mm)	1		35270
3		Wall	Stainless steel	4.25 x 23.75 x 4 in (108 x 203 x 102 mm)	1		35272
4			Steel	4.25 x 35.75 x 2.25 in (108 x 908 x 57 mm)	1		35274
			Steel	4.25 x 48.75 x 2.25 in (108 x 1238 x 57 mm)	1		35276

Stands & Process Stations

Gas-Cylinder Storage Stands

Floor-mounted stands provide safe and secure storage options for one or more containers

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Fully welded construction using 11-gauge (3-mm) steel or 12-gauge (2-mm) stainless steel
- Exclusive bumper guard edging with steel reinforced vinyl
- Most stands store cylinders from 4- to 12-in (102- to 305-mm) in diameter. Low profile model 35282 accepts cylinders up to 10-in (254-mm) and features a 0.187-in (5-mm) thick steel clamping bar protected with an edge bumper guard.
- Pre-drilled holes in base designed for floor mounting
- Heavy-duty support straps, rated at 1138-lb (516-kg), feature steel cinch buckle and hold cylinders securely to prevent tipping. Stainless steel models use a nylon side latch buckle to protect against corrosion.



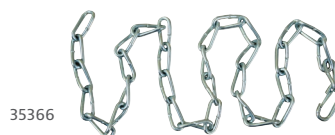
Mount model 35288 to floor and independently strap two cylinders securely to stand to prevent dangerous tipping accidents.



Cylinder Capacity	Max Cylinder Diameter in/mm	Mount Type/ Orientation	Material	H x W x D	Straps Per Cylinder	Approv/Lstg Regulation	Model
1	12/305	Floor	Steel	30 x 18 x 13.75 in (762 x 457 x 349 mm)	2	O, C, G, A	35278
			Stainless steel	30 x 18 x 13.75 in (762 x 457 x 349 mm)			35280
	10/254	Floor low profile			1 + Clamp bar		35282
2	12/305	Floor	Steel	15 x 16 x 16 in (381 x 406 x 406 mm)	1		35288
	12/305		Stainless steel	30 x 27.75 x 10.5 in (762 x 705 x 267 mm)			35290
3	12/305			30 x 39.75 x 10.5 in (762 x 1010 x 267 mm)			35294
4	12/305	Floor back to back	Steel	30 x 32 x 23 in (762 x 813 x 584 mm)	2		35296
	12/305	Floor		30 x 52 x 14 in (762 x 1321 x 356 mm)			35298
6	12/305			30 x 44 x 23 in (762 x 1118 x 584 mm)			35300
8	12/305	Floor back to back		30 x 56 x 23 in (762 x 1422 x 584 mm)			35302

*Extra Accessories for Gas-Cylinder Support Stands

Description	Material	Model No
Chain, one-piece, 41 in (1041 mm) long	Steel	35366
	Stainless steel	35368



*Not applicable for model 35282

Small Gas-Cylinder Stands

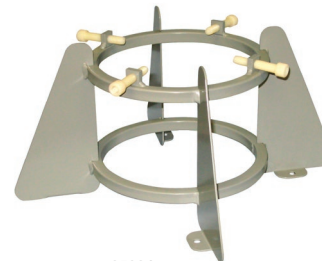
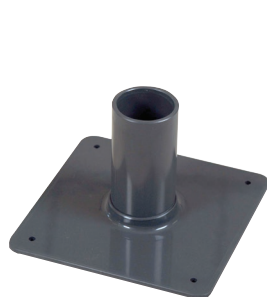
Benchtop stands for storage and transport of smaller specialty gas-cylinders commonly used in laboratories

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Sized to fit calibration gases or medical oxygen in laboratories
- Stands have pre-drilled holes for wall or benchtop mounting
- PVC stands fit 2- or 3-in calibration gas, lecture bottles (LB) and oxygen cylinders. Models 35318 and 35320 require mounting for proper functionality. Model 35322 functions as a six-cylinder carrier for transporting within a laboratory.
- Steel stands—corrosion resistant power-coated finish. Used for medical oxygen or calibration gases.

Model 35326 — 3.25- to 4.25-in (83- to 108-mm) bottles

Model 35328 — 5.75- to 6.75-in (146- to 172-mm) bottles

Model 35330 — 7.75- to 8.75-in (191- to 222-mm) bottles



Cylinder Capacity	Max Cylinder Diameter in/mm	Type	Material	H x W x D	Approv/Lstg Regulation	Model
1	2/51	Bench	PVC	5 x 7.75 x 7.75 in (127 x 197 x 197 mm)	O, C, G, A	35316
1		Wall / Bench		7.5 x 5 x 4 in (191 x 127 x 102 mm)		35318
3		Wall / Bench		7.5 x 11 x 4 in (191 x 279 x 102 mm)		35320
6		Carrier		19 x 9 x 6 in (483 x 229 x 152 mm)		35322
6	3/76	Bench		Steel		6 x 7.75 x 7.75 in (152 x 197 x 197 mm)
1	4.25/108		7 x 9.5 x 9.5 in (178 x 241 x 241 mm)			35326
	6.75/172		7 x 14.5 x 14.5 in (178 x 368 x 368 mm)			35328
	8.75/222		7 x 16.5 x 16.5 in (178 x 419 x 419 mm)			35330

Stands & Process Stations

Gas-Cylinder Process Stations

Prevent dangerous tipping accidents—secure gas cylinders with easy-to-reach control mounting panels for gas distribution

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- Fully welded construction using 11-gauge (3-mm) steel
- Store cylinders from 4- to 12-in (102- to 305-mm) in diameter
- Powder-coated finish
- Exclusive bumper guard edging with steel reinforced vinyl protects your cylinders from damage while providing extra grip
- Pre-drilled holes in base designed for floor mounting
- Heavy-duty support straps, 1.5-in (38-mm) wide and rated at 1138-lb (516-kg), feature steel cinch buckle
- Most stands include openings to retrofit secondary support chains, one set for each cylinder station. Add model 35366 for optional steel chain.
- Heavy-duty size 2/0 steel chains lay flat against the cylinders for a tight fit



Process rack model 35314 accepts three cylinders per side. Add cylinder controls or cross-over devices on top panel for safe gas distribution.



35306

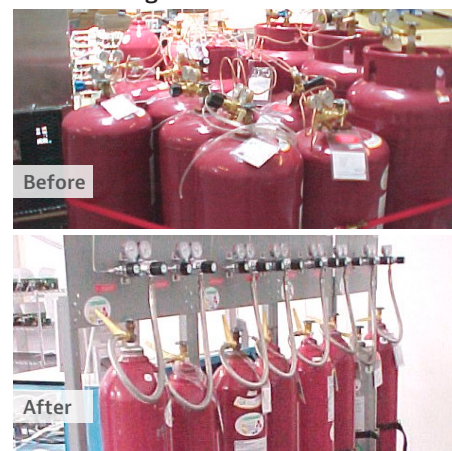


35310



35304

Custom Designed Process Control Station

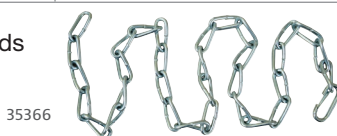


Photos courtesy of Praxair Specialty Gases

Cylinder Capacity	Max Cylinder Diameter in/mm	Mount Type/ Orientation	Control Mount Type	H x W x D	Straps Per Cylinder	Approv/Lstg Regulation	Model
1	12/305	Floor	Panel	72 x 18 x 13.75 in (1829 x 457 x 349 mm)	2	O, C, G, A	35304
2				72 x 28 x 10.5 in (1829 x 705 x 267 mm)	1		35306
3				72 x 40 x 10.5 in (1829 x 1016 x 267 mm)	1		35308
4			Dual struts	72 x 52 x 14 in (1829 x 1321 x 356 mm)	2		35310
4		Floor back to back	Panel	72 x 32 x 23 in (1829 x 813 x 584 mm)	2		35312
6		Floor back to back	Panel	72 x 44 x 23 in (1829 x 1118 x 584 mm)	2		35314

Extra Accessories for Gas-Cylinder Process Stands

Description	Model
Chain, one-piece, 41 in (1041 mm) long	35366



35366

Gas-Cylinder Carts and Mobile Stands

Heavy-duty steel construction for safe transport of compressed gas

- Complies with OSHA, CGA P-1, NFPA 55 and NFPA 1
- For cylinders from 4- to 12-in diameter
- Exclusive bumper guard edging with reinforced vinyl protects cylinders while providing extra grip
- Heavy-duty support straps, rated at 1138-lb, feature steel cinch buckle and hold cylinders securely
- Powder-coated steel parts
- Carts include upper and lower brackets for added support and security
- Mobile stands—suitable for over-the-road gas-cylinder transportation. Locking collar and post system adds vise-like holding capability. Use of safety cylinder caps ensures DOT compliance. Locking post extends up to 66-in (1677-mm) in height.
- Order model 35366 to get heavy-duty size 2/0 chain(s) with twist link for highest level of safety on any installation



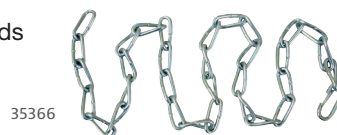
Model 35286 cylinder stand features a locking collar and post system to immobilize cylinder for safe over-the-road transport.



Cylinder Capacity	Max Cylinder Diameter in/mm	Type	Locking Post(s)	H x W x D	Straps Per Cylinder	Approv/Lstg Regulation	Weight Capacity lb/kg	Model
4	12/305	Cart	—	72 x 18 x 13.75 in (1829 x 457 x 349 mm)	2	O, C, G, A	1600/726	35056
6	12/305	Cart	—	72 x 18 x 13.75 in (1829 x 457 x 349 mm)			2000/907	35058
1	10/254	Stand	Yes	41 x 16.25 x 10.5 in (1041 x 413 x 267 mm)			—	35286
2	10/254	Stand	Yes	41 x 27.75 x 10.5 in (1041 x 705 x 267 mm)			—	35292

Extra Accessories for Gas-Cylinder Carts and Mobile Stands

Description	Model
Chain, one-piece, 41 in (1041 mm) long	35366



Storage Lockers

Aluminum Cylinder Lockers

No rust solution—100% welded aluminum construction won't rust, corrode or discolor

- Lockers meet NFPA 58 for LPG storage and OSHA 1910.110 regulations. LPG vertical lockers (see next page) also comply with Canadian Standards Association CSA-B149.2
- Heavy gauge, 0.065-in (1.65-mm) thick aluminum mesh and extruded (not bent) frame add rigidity to these cylinder lockers.
- Solid roof panel slopes to back to shed water and ice
- Ships fully assembled—saves set-up time
- Wire mesh sides prevent dangerous buildup of flammable gases
- Thick metal panels and welded security lug (order padlock separately) on front panel deter tampering.
- Includes four labels—two warning and full/empty cylinder identification



Durable, weather resistant aluminum construction offers long-lasting, safe storage of LPG and compressed gas-cylinders.



23007



23006



23005

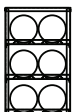


23003

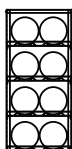
Horizontal LPG Cylinders



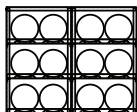
4 Cylinders
23001



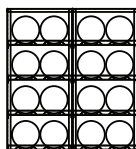
6 Cylinders
23002



8 Cylinders
23003



12 Cylinders
23004

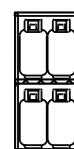


16 Cylinders
23005

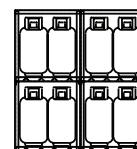
Vertical LPG Cylinders



4 Cylinders
23009

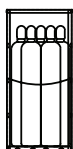


8 Cylinders
23010

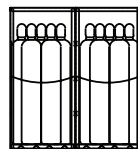


16 Cylinders
23011

Vertical Compressed gas-cylinders

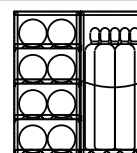


5 to 10 Cylinders
23006

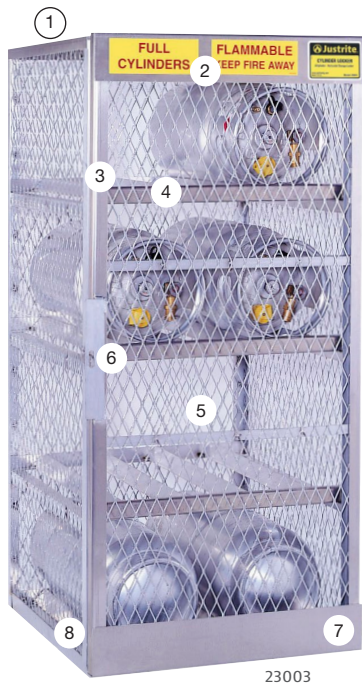


10 to 20 Cylinders
23007

Combination Horizontal and Vertical Locker LPG and Compressed gas-cylinders



Vertical 5-10 Cylinders / Horizontal 8 Cylinders
23008



1. Sloped roof design sheds water and ice. Solid top reinforces stability
2. Includes warning and identification labels
3. Extruded 0.125-in (3-mm) thick, heavy aluminum framework provides superior strength
4. Easy-to-use rack positions cylinders securely and stores 20- and 33-lb (9- and 15- kg) cylinders
5. Heavy, expanded, 0.065-in (1.65-mm) thick aluminum mesh panels and all-welded construction resist abusive outdoor elements—won't rust or discolor
6. Padlock lug for security
7. A pre-drilled hole at each corner accepts 0.5-in (12.7-mm) anchor bolts
8. Cylinders stay clear of ground with heavy-duty bottom rack on horizontal locker or strong floor plate on vertical storage locker



23010



23008



23011

Aluminum Cylinder Lockers (continued)

Description	Cylinder Type	Capacities	Exterior H x W x D	Racks	Approval/Lstg Regulation	Model
4-cylinder horizontal	LPG	Four 20 or 33 lb cylinders (9 or 15 kg)	33.5 x 30 x 32 in (851 x 762 x 813 mm)	1	O, L	23001
6-cylinder horizontal		Six 20 or 33 lb cylinders (9 or 15 kg)	49.5 x 30 x 32 in (1257 x 762 x 813 mm)	2	O, L	23002
8-cylinder horizontal		Eight 20 or 33 lb cylinders (9 or 15 kg)	65 x 30 x 32 in (1651 x 762 x 813 mm)	3	O, L	23003
12-cylinder horizontal		Twelve 20 or 33 lb cylinders (9 or 15 kg)	49.5 x 60 x 32 in (1257 x 1524 x 813 mm)	4	O, L	23004
16-cylinder horizontal		Sixteen 20 or 33 lb cylinders (9 or 15 kg)	65 x 60 x 32 in (1651 x 1524 x 813 mm)	6	O, L	23005
4-cylinder vertical		Four 20 or 33 lb cylinders (9 or 15 kg)	33.5 x 30 x 32 in (851 x 762 x 813 mm)	—	O, L, B	23009
8-cylinder vertical		Eight 20 or 33 lb cylinders (9 or 15 kg)	65 x 30 x 32 in (1651 x 762 x 813 mm)	1	O, L, B	23010
16-cylinder vertical		Sixteen 20 or 33 lb cylinders (9 or 15 kg)	65 x 60 x 32 in (1651 x 1524 x 813 mm)	2	O, L, B	23011
10-cylinder vertical	Compressed gas	Up to 10 cylinders	65 x 30 x 32 in (1651 x 762 x 813 mm)	—	O, L	23006
20-cylinder vertical		Up to 20 cylinders	65 x 60 x 32 in (1651 x 1524 x 813 mm)	—	O, L	23007
Combo horizontal & vertical	LPG & compressed gas	Up to 8 horizontal and 10 vertical cylinders	65 x 60 x 32 in (1651 x 1524 x 813 mm)	3	O, L	23008

OSHA (Occupational Safety and Health Administration) Ensures safe working conditions by setting and enforcing standards, providing training, outreach, and compliance assistance.

CGA P-1 (Standard for Safe Handling of Compressed Gases in Containers) Provides safety practices for the use, storage, and transportation of compressed gases in containers.

NFPA 55 (Compressed Gases and Cryogenic Fluids Code) Governs the storage, handling, and use of compressed gases and cryogenic fluids in portable and stationary containers, cylinders, and tanks.

NFPA 1 (Fire Code) Comprehensive fire safety standard addressing fire prevention, building safety, hazardous materials, and emergency planning.

USGS (The U.S. Geological Survey) High Hazards Zone Requirements for gas cylinders focus on ensuring safe storage and handling in areas prone to seismic activity.

NFPA 58 (Liquefied Petroleum Gas Code) Covers all aspects of LP-Gas systems, from small residential cylinders to large bulk storage facilities exceeding 100,000 gallons.

CSA-B149.2 (Canadian Standards Association) Applies to the storage, handling, and transfer of propane and its use in cylinders and tanks.

Approval and Compliance Key

O	Complies with Occupational Safety and Health Administration (OSHA) Regulations
C	Compressed Gas Association (CGA) P1 Standard for Safe Handling of Compressed Gases in Containers
G	Complies with NFPA 55 Compressed Gases and Cryogenic Fluids Code
A	Complies with NFPA 1 Fire Code - 2012 Edition
U	U.S. Geological Survey High Hazards Zone Requirements
L	NFPA 58 LPG Storage
B	CSA-B149.2 Propane Storage and Handling Code



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3. 6 Gallon Plastic
Oily Waste Can
7150100

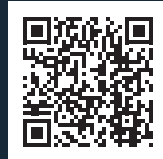
2. Drive Over Berm
Rigid-Lock QuickBerm®
28528

4. Closed ABS Bowl
Hughes Eye/Face Wash
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Gas Cylinder Storage

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