

# Gas-Cylinder Handling Equipment for Gas Cylinder Barricade Racks

This document outlines the essential equipment and specifications for handling gas cylinders safely and efficiently, particularly focusing on barricade racks designed for various sizes of gas cylinders. Proper handling and storage of gas cylinders are critical to ensure safety in environments where these potentially hazardous materials are used.

## Introduction

Gas cylinders are commonly used in various industries, including healthcare, manufacturing, and construction. Proper handling equipment is vital to prevent accidents and ensure compliance with safety regulations. This document provides a comprehensive overview of gas-cylinder handling equipment tailored for barricade racks, detailing the requirements for different cylinder sizes.



## Gas-Cylinder Barricade Racks

### Overview

Gas-cylinder barricade racks are designed to securely store and organize gas cylinders while providing easy access for handling. These racks are essential for maintaining safety in workplaces where gas cylinders are frequently used. The barricade design helps prevent unauthorized access and minimizes the risk of accidents.

### Specifications for Different Sizes

#### 1. Small Cylinder Racks (Up to 20 lbs)

- **Dimensions:** 24" W x 30" H x 18" D
- **Capacity:** Holds up to 4 small cylinders
- **Material:** Heavy-duty steel with powder coating for corrosion resistance
- **Features:**
  - Adjustable straps for securing cylinders
  - Base with rubber feet to prevent slipping
  - Safety signage indicating hazardous materials



#### 2. Medium Cylinder Racks (21 lbs to 50 lbs)

- **Dimensions:** 36" W x 48" H x 24" D
- **Capacity:** Holds up to 6 medium cylinders
- **Material:** Reinforced steel frame with anti-corrosive finish
- **Features:**
  - Integrated chain or strap system for added security
  - Ventilation holes to prevent gas accumulation
  - Lockable access for enhanced safety



### 3. Large Cylinder Racks (51 lbs and above)

- **Dimensions:** 48" W x 60" H x 30" D
- **Capacity:** Holds up to 8 large cylinders
- **Material:** Industrial-grade steel with weather-resistant coating
- **Features:**
  - Heavy-duty wheels for mobility
  - Forklift pockets for easy transportation
  - Reinforced base to support heavy loads



## Handling Equipment

### Essential Tools

#### 1. Cylinder Trolleys

- Designed for transporting gas cylinders safely.
- Features include a sturdy frame, rubber wheels, and safety straps.



#### 2. Cylinder Lifting Devices

- Hydraulic or mechanical lifts to assist in moving heavy cylinders.
- Must comply with safety standards and have a weight capacity rating.

#### 3. Protective Gear

- Safety gloves, goggles, and steel-toed boots for personnel handling gas cylinders.
- Fire-resistant clothing recommended for high-risk environments.



## Safety Considerations

- Always secure cylinders in racks to prevent tipping.
- Regularly inspect handling equipment for wear and tear.
- Ensure proper training for personnel in gas cylinder handling and emergency procedures.
- Maintain clear signage and access to emergency equipment.



## Contact Us

### Main Headquarters:

No 8, Jalan Sepadu 25/123A, Taman Perindustrian Axis, Seksyen 25, 40400 Shah Alam, Selangor D.E., Malaysia. 📞 Direct Line: +603 5885 8500 📠 Fax: +603 2034 9538

📱 Cell Phone: +6017 881 8483 ✉ Email: [sales2@perfectlives.com](mailto:sales2@perfectlives.com) 🌐 Website: [www.perfectlives.com](http://www.perfectlives.com)