



## Good Quality Seamless Steel High Pressure Gas Cylinders Factory Supply

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: cylinder
- Minimum Order Quantity: 1pc
- Price: US \$100-500
- Packaging Details: Cylinder
- Delivery Time: 30 days
- Payment Terms: T/T
- Supply Ability: 20000 pcs/month



#### Product Specification

- Application: Gas Storage/Transportation
- Capacity: 40L-470L
- Coating: Anti-corrosion
- Color: Customize
- Diameter: 232mm
- Height: 1370cm
- Material: Steel
- Pressure: 200 Bar
- Safety Features: Pressure Relief Valve/Protective Cap
- Usage: Industrial/Commercial
- Valve Type: Customize
- Weight: 52kg
- Manufacturer: CMC
- Highlight: **Seamless Steel High Pressure Gas Cylinders, Seamless Steel Gas Cylinder Tank, 470L High Pressure Gas Cylinders**



#### More Images



Product Description



|                     |                                       |
|---------------------|---------------------------------------|
| Model NO.           | 40-470L                               |
| Application         | Gas                                   |
| Material            | Carbon Steel                          |
| Storage Medium      | Moncombustible/Nontoxic               |
| Pressure Level      | High Pressure<br>(10.0MPa≤p<100.0MPa) |
| Condition           | New                                   |
| Delivery Time       | 30 Days                               |
| Transport Package   | 20 Foot Container                     |
| Specification       | 40L-470L                              |
| Trademark           | CMC                                   |
| Origin              | Jiangsu                               |
| HS Code             | 7311009000                            |
| Production Capacity | 20000 Bottles /Month                  |

A high-pressure seamless gas cylinder is a type of container designed to store and transport gases under high pressure. These cylinders are commonly used in various industries, including medical, industrial, and scientific applications.

Here are some key characteristics of high-pressure seamless gas cylinders:  
Construction: High-pressure seamless gas cylinders are typically made of steel or aluminum alloy. The

construction ensures they can withstand the high pressures required for storing gases safely.

Seamless Design: Seamless cylinders are manufactured using a seamless tube, which means there are no welded joints. This design eliminates the risk of weak points that could potentially fail under high pressure.

Pressure Rating: High-pressure gas cylinders are built to withstand specific pressure ratings, which are marked on the cylinder. The pressure rating indicates the maximum pressure the cylinder can safely contain. Different gases may require different pressure ratings.

Valve and Fittings: The cylinders are equipped with valves and fittings that allow for filling and emptying the gas. The valves are designed to provide a secure seal and control the flow of gas.

Safety Features: High-pressure gas cylinders often include safety features such as pressure relief devices (PRDs) or burst discs. These components are designed to release excess pressure from the cylinder to prevent explosions or ruptures.

Capacity: The capacity of high-pressure gas cylinders can vary widely depending on the intended application. They range in size from small portable cylinders used for welding or medical purposes to large cylinders used in industrial processes.

Gas Compatibility: It's crucial to ensure that the gas being stored is compatible with the cylinder material. Some gases can react with certain metals, potentially causing corrosion or other hazards. Cylinder manufacturers typically provide guidelines regarding gas compatibility.

When handling high-pressure gas cylinders, it's important to follow proper safety procedures, including storing them in well-ventilated areas,

securing them to prevent tipping, and being cautious of potential hazards such as heat, sparks, or physical damage.

Note: It's always important to consult the specific regulations and guidelines provided by the manufacturer and relevant authorities when using or handling high-pressure gas cylinders, as requirements may vary depending on the jurisdiction and application.

ISO 9809-3 Seamless Steel Gas Cylinders

| Type            | Outside Diameter (mm) | Water Capacity (L) | Height (Without Valve) (mm) | Weight (Without Valve & Cap) (kg) | Working Pressure (Bar) | Design Wall Thickness (mm) | Material Grades |
|-----------------|-----------------------|--------------------|-----------------------------|-----------------------------------|------------------------|----------------------------|-----------------|
| ISO102-1.8-150  | 102                   | 1.8                | 325                         | 3.5                               | 150                    | 3                          | 37Mn            |
| ISO102-3-150    |                       | 3                  | 498                         | 5.2                               |                        |                            |                 |
| ISO102-3.4-150  |                       | 3.4                | 555                         | 5.7                               |                        |                            |                 |
| ISO102-4.4-150  |                       | 4.4                | 700                         | 7.2                               |                        |                            |                 |
| ISO108-1.4-150  | 108                   | 1.4                | 240                         | 2.9                               | 150                    | 3.2                        | 37Mn            |
| ISO108-1.8-150  |                       | 1.8                | 285                         | 3.3                               |                        |                            |                 |
| ISO108-2-150    |                       | 2                  | 310                         | 3.6                               |                        |                            |                 |
| ISO108-3-150    |                       | 3                  | 437                         | 4.9                               |                        |                            |                 |
| ISO108-3.6-150  |                       | 3.6                | 515                         | 5.7                               |                        |                            |                 |
| ISO108-4-150    |                       | 4                  | 565                         | 6.2                               |                        |                            |                 |
| ISO108-5-150    |                       | 5                  | 692                         | 7.5                               |                        |                            |                 |
| ISO140-3.4-150  | 140                   | 3.4                | 321                         | 5.8                               | 150                    | 4.1                        | 37Mn            |
| ISO140-4-150    |                       | 4                  | 365                         | 6.4                               |                        |                            |                 |
| ISO140-5-150    |                       | 5                  | 440                         | 7.6                               |                        |                            |                 |
| ISO140-6-150    |                       | 6                  | 515                         | 8.8                               |                        |                            |                 |
| ISO140-6.3-150  |                       | 6.3                | 545                         | 9.2                               |                        |                            |                 |
| ISO140-6.7-150  |                       | 6.7                | 567                         | 9.5                               |                        |                            |                 |
| ISO140-7-150    |                       | 7                  | 595                         | 9.9                               |                        |                            |                 |
| ISO140-7.5-150  |                       | 7.5                | 632                         | 10.5                              |                        |                            |                 |
| ISO140-8-150    |                       | 8                  | 665                         | 11                                |                        |                            |                 |
| ISO140-9-150    |                       | 9                  | 745                         | 12.2                              |                        |                            |                 |
| ISO140-10-150   |                       | 10                 | 830                         | 13.5                              |                        |                            |                 |
| ISO140-11-150   |                       | 11                 | 885                         | 14.3                              |                        |                            |                 |
| ISO140-13.4-150 |                       | 13.4               | 1070                        | 17.1                              |                        |                            |                 |
| ISO140-14-150   |                       | 14                 | 1115                        | 17.7                              |                        |                            |                 |
| ISO159-7-150    | 159                   | 7                  | 495                         | 9.8                               | 150                    | 4.7                        | 37Mn            |
| ISO159-8-150    |                       | 8                  | 554                         | 10.8                              |                        |                            |                 |
| ISO159-9-150    |                       | 9                  | 610                         | 11.7                              |                        |                            |                 |
| ISO159-10-150   |                       | 10                 | 665                         | 12.7                              |                        |                            |                 |
| ISO159-11-150   |                       | 11                 | 722                         | 13.7                              |                        |                            |                 |
| ISO159-12-150   |                       | 12                 | 790                         | 14.8                              |                        |                            |                 |
| ISO159-12.5-150 |                       | 12.5               | 802                         | 15                                |                        |                            |                 |
| ISO159-13-150   |                       | 13                 | 833                         | 15.6                              |                        |                            |                 |
| ISO159-13.4-150 |                       | 13.4               | 855                         | 16                                |                        |                            |                 |
| ISO159-13.7-150 |                       | 13.7               | 878                         | 16.3                              |                        |                            |                 |
| ISO159-14-150   |                       | 14                 | 890                         | 16.5                              |                        |                            |                 |
| ISO159-15-150   |                       | 15                 | 945                         | 17.5                              |                        |                            |                 |
| ISO159-16-150   |                       | 16                 | 1000                        | 18.4                              |                        |                            |                 |
| ISO180-8-150    | 180                   | 8                  | 480                         | 13.8                              | 150                    | 5.3                        | 37Mn            |
| ISO180-10-150   |                       | 10                 | 570                         | 16.1                              |                        |                            |                 |
| ISO180-12-150   |                       | 12                 | 660                         | 18.3                              |                        |                            |                 |
| ISO180-15-150   |                       | 15                 | 790                         | 21.6                              |                        |                            |                 |
| ISO180-20-150   |                       | 20                 | 1015                        | 27.2                              |                        |                            |                 |
| ISO180-21-150   |                       | 21                 | 1061                        | 28.3                              |                        |                            |                 |
| ISO180-21.6-150 |                       | 21.6               | 1087                        | 29                                |                        |                            |                 |
| ISO180-22.3-150 |                       | 22.3               | 1100                        | 29.4                              |                        |                            |                 |

|                 |     |      |      |      |     |     |      |
|-----------------|-----|------|------|------|-----|-----|------|
| ISO219-20-150   | 219 | 20   | 705  | 27.8 | 150 | 6.1 | 37Mn |
| ISO219-25-150   |     | 25   | 855  | 32.8 |     |     |      |
| ISO219-27-150   |     | 27   | 915  | 34.8 |     |     |      |
| ISO219-36-150   |     | 36   | 1185 | 43.9 |     |     |      |
| ISO219-38-150   |     | 38   | 1245 | 45.9 |     |     |      |
| ISO219-40-150   |     | 40   | 1305 | 47.8 |     |     |      |
| ISO219-45-150   |     | 45   | 1455 | 52.9 |     |     |      |
| ISO219-46.7-150 |     | 46.7 | 1505 | 54.6 |     |     |      |
| ISO219-50-150   |     | 50   | 1605 | 57.9 |     |     |      |

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