

# ALUMINUM ALLOY GAS CYLINDERS

GSGS's aluminum gas cylinders are manufactured from high strength aluminum alloy 6061-T6, which is the best material for various gases because it can maintain excellent quality and gas purity. Our aluminum cylinders are made strictly as per EN ISO & ISO 7866, DOT-3AL, EN 1975, GB 11640 and TC-3ALM. Based on this, we have been exporting our high quality aluminum gas cylinders to many countries.



GSGS's aluminum gas cylinders store gases for a wide variety of applications including ultra-high purity gases for electronics manufacturing, special and calibration gases, industrial gases, medical oxygen, food and beverage grade CO<sub>2</sub>, SCUBA, fire & rescue, etc.

## For Industrial Gases, Special Gases and Calibration Gases

| Model No.       | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|-----------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-60-0.5-15-H  | 0.5                | 60                    | 267         | 3                   | 0.4             | 15                     |
| LW-60-0.6-15-H  | 0.6                | 60                    | 310         | 3                   | 0.5             | 15                     |
| LW-75-0.7-15-H  | 0.7                | 75                    | 295         | 3.8                 | 0.7             | 15                     |
| LW-82-0.7-15-H  | 0.7                | 82                    | 235         | 4.2                 | 0.8             | 15                     |
| LW-89-0.5-15-H  | 0.5                | 89                    | 187         | 4.5                 | 0.6             | 15                     |
| LW-89-0.7-15-H  | 0.7                | 89                    | 227         | 4.5                 | 0.8             | 15                     |
| LW-89-1-15-H    | 1                  | 89                    | 287         | 4.5                 | 1               | 15                     |
| LW-89-1.4-15-H  | 1.4                | 89                    | 367         | 4.5                 | 1.3             | 15                     |
| LW-108-0.7-15-H | 0.7                | 108                   | 189         | 5.5                 | 1.1             | 15                     |
| LW-108-1-15-H   | 1                  | 108                   | 201         | 5.5                 | 1.3             | 15                     |
| LW-108-1.4-15-H | 1.4                | 108                   | 284         | 5.5                 | 1.6             | 15                     |
| LW-108-2-15-H   | 2                  | 108                   | 360         | 5.5                 | 2.2             | 15                     |
| LW-108-2.5-15-H | 2.5                | 108                   | 423         | 5.5                 | 2.5             | 15                     |
| LW-108-3-15-H   | 3                  | 108                   | 490         | 5.5                 | 2.9             | 15                     |
| LW-111-1.4-15-H | 1.4                | 111                   | 242         | 5.4                 | 1.8             | 15                     |
| LW-111-2-15-H   | 2                  | 111                   | 318         | 5.4                 | 2.1             | 15                     |
| LW-111-3-15-H   | 3                  | 111                   | 445         | 5.4                 | 2.8             | 15                     |
| LW-111-4-15-H   | 4                  | 111                   | 572         | 5.4                 | 3.4             | 15                     |
| LW-111-4.6-15-H | 4.6                | 111                   | 648         | 5.4                 | 3.7             | 15                     |
| LW-120-2.8-15-H | 2.8                | 120                   | 398         | 6.1                 | 2.7             | 15                     |
| LW-120-3.2-15-H | 3.2                | 120                   | 437         | 6.1                 | 3.1             | 15                     |
| LW-140-4-15-H   | 4                  | 140                   | 393         | 6.8                 | 3.6             | 15                     |

| Model No.        | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|------------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-140-5-15-H    | 5                  | 140                   | 482         | 6.8                 | 4.2             | 15                     |
| LW-140-6-15-H    | 6                  | 140                   | 551         | 6.8                 | 4.8             | 15                     |
| LW-140-8-15-H    | 8                  | 140                   | 711         | 6.8                 | 6.1             | 15                     |
| LW-140-10-15-H   | 10                 | 140                   | 870         | 6.8                 | 7.3             | 15                     |
| LW-159-10-15-H   | 10                 | 159                   | 711         | 8                   | 8.2             | 15                     |
| LW-180-10-15-H   | 10                 | 180                   | 406         | 8.8                 | 8.4             | 15                     |
| LW-203-6-15-H    | 6                  | 203                   | 325         | 9.9                 | 8.1             | 15                     |
| LW-203-12-15-H   | 12                 | 203                   | 552         | 9.9                 | 11.8            | 15                     |
| LW-203-13.4-15-H | 13.4               | 203                   | 606         | 9.9                 | 12.7            | 15                     |
| LW-203-15-15-H   | 15                 | 203                   | 666         | 9.9                 | 13.7            | 15                     |
| LW-203-20-15-H   | 20                 | 203                   | 856         | 9.9                 | 16.8            | 15                     |
| LW-232-30-15-H   | 30                 | 232                   | 1236        | 11.6                | 23              | 15                     |
| LW-232-40-15-H   | 40                 | 232                   | 1281        | 11.6                | 30              | 15                     |
| LW-232-50-15-H   | 50                 | 232                   | 1573        | 11.6                | 36.4            | 15                     |
| LW-117-2.5-20-H  | 2.5                | 117                   | 381         | 7.5                 | 3.2             | 20                     |
| LW-117-3-20-H    | 3                  | 117                   | 443         | 7.5                 | 3.6             | 20                     |
| LW-140-5-20-H    | 5                  | 140                   | 518         | 9.2                 | 5.9             | 20                     |
| LW-184-7-20-H    | 7                  | 184                   | 456         | 12.5                | 9.8             | 20                     |
| LW-184-11-20-H   | 11                 | 184                   | 657         | 12.5                | 13.5            | 20                     |
| LW-250-50-20-H   | 50                 | 250                   | 1477        | 16.2                | 50.2            | 20                     |
| LW-60-0.3-30-H   | 0.3                | 60                    | 219         | 5.6                 | 0.6             | 30                     |
| LW-60-0.4-30-H   | 0.4                | 60                    | 273         | 5.6                 | 0.7             | 30                     |
| LW-60-0.5-30-H   | 0.5                | 60                    | 325         | 5.6                 | 0.9             | 30                     |
| LW-60-0.6-30-H   | 0.6                | 60                    | 380         | 5.6                 | 1               | 30                     |
| LW-60-0.7-30-H   | 0.7                | 60                    | 433         | 5.6                 | 1.1             | 30                     |

### For Medical Oxygen

| Model No.       | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|-----------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-60-0.5-15-H  | 0.5                | 60                    | 267         | 3                   | 0.4             | 15                     |
| LW-60-0.6-15-H  | 0.6                | 60                    | 310         | 3                   | 0.5             | 15                     |
| LW-75-0.7-15-H  | 0.7                | 75                    | 295         | 3.8                 | 0.7             | 15                     |
| LW-82-0.7-15-H  | 0.7                | 82                    | 235         | 4.2                 | 0.8             | 15                     |
| LW-89-0.5-15-H  | 0.5                | 89                    | 187         | 4.5                 | 0.6             | 15                     |
| LW-89-0.7-15-H  | 0.7                | 89                    | 227         | 4.5                 | 0.8             | 15                     |
| LW-89-1-15-H    | 1                  | 89                    | 287         | 4.5                 | 1               | 15                     |
| LW-89-1.4-15-H  | 1.4                | 89                    | 367         | 4.5                 | 1.3             | 15                     |
| LW-108-0.7-15-H | 0.7                | 108                   | 189         | 5.5                 | 1.1             | 15                     |
| LW-108-1-15-H   | 1                  | 108                   | 201         | 5.5                 | 1.3             | 15                     |
| LW-108-1.4-15-H | 1.4                | 108                   | 284         | 5.5                 | 1.6             | 15                     |
| LW-108-2-15-H   | 2                  | 108                   | 360         | 5.5                 | 2.2             | 15                     |
| LW-108-2.5-15-H | 2.5                | 108                   | 423         | 5.5                 | 2.5             | 15                     |

**GLOBAL SPECIAL GAS SERVICE CO., LTD.**

| Model No.        | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|------------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-108-3-15-H    | 3                  | 108                   | 490         | 5.5                 | 2.9             | 15                     |
| LW-111-1.4-15-H  | 1.4                | 111                   | 242         | 5.4                 | 1.8             | 15                     |
| LW-111-2-15-H    | 2                  | 111                   | 318         | 5.4                 | 2.1             | 15                     |
| LW-111-3-15-H    | 3                  | 111                   | 445         | 5.4                 | 2.8             | 15                     |
| LW-111-4-15-H    | 4                  | 111                   | 572         | 5.4                 | 3.4             | 15                     |
| LW-111-4.6-15-H  | 4.6                | 111                   | 648         | 5.4                 | 3.7             | 15                     |
| LW-120-2.8-15-H  | 2.8                | 120                   | 398         | 6.1                 | 2.7             | 15                     |
| LW-120-3.2-15-H  | 3.2                | 120                   | 437         | 6.1                 | 3.1             | 15                     |
| LW-140-4-15-H    | 4                  | 140                   | 393         | 6.8                 | 3.6             | 15                     |
| LW-140-5-15-H    | 5                  | 140                   | 482         | 6.8                 | 4.2             | 15                     |
| LW-140-6-15-H    | 6                  | 140                   | 551         | 6.8                 | 4.8             | 15                     |
| LW-140-8-15-H    | 8                  | 140                   | 711         | 6.8                 | 6.1             | 15                     |
| LW-140-10-15-H   | 10                 | 140                   | 870         | 6.8                 | 7.3             | 15                     |
| LW-159-10-15-H   | 10                 | 159                   | 711         | 8                   | 8.2             | 15                     |
| LW-180-10-15-H   | 10                 | 180                   | 406         | 8.8                 | 8.4             | 15                     |
| LW-203-6-15-H    | 6                  | 203                   | 325         | 9.9                 | 8.1             | 15                     |
| LW-203-12-15-H   | 12                 | 203                   | 552         | 9.9                 | 11.8            | 15                     |
| LW-203-13.4-15-H | 13.4               | 203                   | 606         | 9.9                 | 12.7            | 15                     |
| LW-203-15-15-H   | 15                 | 203                   | 666         | 9.9                 | 13.7            | 15                     |
| LW-203-20-15-H   | 20                 | 203                   | 856         | 9.9                 | 16.8            | 15                     |
| LW-232-30-15-H   | 30                 | 232                   | 1236        | 11.6                | 23              | 15                     |
| LW-232-40-15-H   | 40                 | 232                   | 1281        | 11.6                | 30              | 15                     |
| LW-232-50-15-H   | 50                 | 232                   | 1573        | 11.6                | 36.4            | 15                     |
| LW-117-2.5-20-H  | 2.5                | 117                   | 381         | 7.5                 | 3.2             | 20                     |
| LW-117-3-20-H    | 3                  | 117                   | 443         | 7.5                 | 3.6             | 20                     |
| LW-140-5-20-H    | 5                  | 140                   | 518         | 9.2                 | 5.9             | 20                     |
| LW-184-7-20-H    | 7                  | 184                   | 456         | 12.5                | 9.8             | 20                     |
| LW-184-11-20-H   | 11                 | 184                   | 657         | 12.5                | 13.5            | 20                     |
| LW-250-50-20-H   | 50                 | 250                   | 1477        | 16.2                | 50.2            | 20                     |
| LW-60-0.3-30-H   | 0.3                | 60                    | 219         | 5.6                 | 0.6             | 30                     |
| LW-60-0.4-30-H   | 0.4                | 60                    | 273         | 5.6                 | 0.7             | 30                     |
| LW-60-0.5-30-H   | 0.5                | 60                    | 325         | 5.6                 | 0.9             | 30                     |
| LW-60-0.6-30-H   | 0.6                | 60                    | 380         | 5.6                 | 1               | 30                     |
| LW-60-0.7-30-H   | 0.7                | 60                    | 433         | 5.6                 | 1.1             | 30                     |

**American-Standard Medical Oxygen Cylinders**

| Model No.             | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|-----------------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-111-1.2-15-H (ML6) | 1.2                | 111                   | 225         | 5.5                 | 1.4             | 15                     |
| LW-111-1.7-15-H (M9)  | 1.7                | 111                   | 290         | 5.5                 | 1.8             | 15                     |

|                           |      |     |     |      |      |    |
|---------------------------|------|-----|-----|------|------|----|
| LW-111-2.9-15-H<br>(MD)   | 2.9  | 111 | 461 | 5.5  | 2.7  | 15 |
| LW-111-4.6-15-H<br>(ME)   | 4.6  | 111 | 688 | 5.5  | 4.9  | 15 |
| LW-184-10.5-15-H<br>(M60) | 10.5 | 184 | 585 | 9.3  | 10.5 | 15 |
| LW-184-15.7-15-H<br>(M90) | 15.7 | 184 | 830 | 9.3  | 14   | 15 |
| LW-203-21.4-15-H<br>(MM)  | 21.4 | 203 | 954 | 11.7 | 18   | 15 |

### For Beverage CO2

| Model No.        | Water Capacity<br>(L) | Outside Diameter<br>(mm) | Length<br>(mm) | Wall<br>Thickness<br>(mm) | Net<br>Weight<br>(kg) | Service<br>Pressure<br>(MPa) |
|------------------|-----------------------|--------------------------|----------------|---------------------------|-----------------------|------------------------------|
| LW-60-0.6-15-H   | 0.6                   | 60                       | 332            | 4                         | 0.8                   | 15                           |
| LW-75-0.7-15-H   | 0.7                   | 75                       | 295            | 4.1                       | 0.8                   | 15                           |
| LW-82-0.7-15-H   | 0.7                   | 82                       | 235            | 4.2                       | 0.9                   | 15                           |
| LW-89-0.5-15-H   | 0.5                   | 89                       | 187            | 4.5                       | 0.5                   | 15                           |
| LW-89-0.7-15-H   | 0.7                   | 89                       | 227            | 4.5                       | 0.7                   | 15                           |
| LW-89-1-15-H     | 1                     | 89                       | 287            | 4.5                       | 0.9                   | 15                           |
| LW-89-1.4-15-H   | 1.4                   | 89                       | 367            | 4.5                       | 1.2                   | 15                           |
| LW-108-0.7-15-H  | 0.7                   | 108                      | 169            | 5.5                       | 1.1                   | 15                           |
| LW-108-1-15-H    | 1                     | 108                      | 210            | 5.5                       | 1.3                   | 15                           |
| LW-108-1.4-15-H  | 1.4                   | 108                      | 264            | 5.5                       | 1.6                   | 15                           |
| LW-108-2-15-H    | 2                     | 108                      | 365            | 5.6                       | 2.2                   | 15                           |
| LW-108-2.5-15-H  | 2.5                   | 108                      | 433            | 5.6                       | 2.6                   | 15                           |
| LW-108-3-15-H    | 3                     | 108                      | 490            | 5.6                       | 3                     | 15                           |
| LW-111-4-15-H    | 4                     | 111                      | 597            | 5.6                       | 3.4                   | 15                           |
| LW-120-2.8-15-H  | 2.8                   | 120                      | 398            | 6.1                       | 3.1                   | 15                           |
| LW-120-3.2-15-H  | 3.2                   | 120                      | 437            | 6.1                       | 3.5                   | 15                           |
| LW-140-4-15-H    | 4                     | 140                      | 430            | 7.1                       | 4.3                   | 15                           |
| LW-140-5-15-H    | 5                     | 140                      | 507            | 7.1                       | 5.1                   | 15                           |
| LW-140-6-15-H    | 6                     | 140                      | 590            | 7.1                       | 6                     | 15                           |
| LW-140-8-15-H    | 8                     | 140                      | 745            | 7.1                       | 7.7                   | 15                           |
| LW-140-10-15-H   | 10                    | 140                      | 905            | 7.1                       | 8.9                   | 15                           |
| LW-159-10-15-H   | 10                    | 159                      | 735            | 8.1                       | 8.8                   | 15                           |
| LW-180-10-15-H   | 10                    | 180                      | 605            | 9.1                       | 10.1                  | 15                           |
| LW-203-12-15-H   | 12                    | 203                      | 587            | 10.3                      | 12                    | 15                           |
| LW-203-13.4-15-H | 13.4                  | 203                      | 640            | 10.3                      | 13.8                  | 15                           |
| LW-203-15-15-H   | 15                    | 203                      | 715            | 10.3                      | 15.6                  | 15                           |
| LW-203-20-15-H   | 20                    | 203                      | 900            | 10.3                      | 18.1                  | 15                           |
| LW-232-30-15-H   | 30                    | 232                      | 1090           | 11.7                      | 30.8                  | 15                           |
| LW-232-40-15-H   | 40                    | 232                      | 1340           | 11.7                      | 36.5                  | 15                           |
| LW-232-50-15-H   | 50                    | 232                      | 1675           | 11.7                      | 44.5                  | 15                           |

**For Scuba**

| Model No.       | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Net Weight (kg) | Service Pressure (MPa) |
|-----------------|--------------------|-----------------------|-------------|-----------------|------------------------|
| LW-140-5-20-H   | 5                  | 140                   | 518         | 7.4             | 20                     |
| LW-140-10-20-H  | 10                 | 140                   | 549         | 11.9            | 20                     |
| LW-152-4.4-20-H | 4.4                | 152                   | 420         | 6.5             | 20                     |
| LW-152-5-20-H   | 5                  | 152                   | 460         | 7               | 20                     |
| LW-152-7-20-H   | 7                  | 152                   | 610         | 8.6             | 20                     |
| LW-175-10-20-H  | 10                 | 175                   | 640         | 10.7            | 20                     |
| LW-180-9-20-H   | 9                  | 180                   | 562         | 10.1            | 20                     |
| LW-184-11-20-H  | 11                 | 184                   | 670         | 13              | 20                     |
| LW-184-12-20-H  | 12                 | 184                   | 720         | 13.9            | 20                     |
| LW-203-12-20-H  | 12                 | 203                   | 595         | 14.39           | 20                     |
| LW-203-15-20-H  | 15                 | 203                   | 718         | 17.07           | 20                     |
| LW-203-20-20-H  | 20                 | 203                   | 924         | 21.56           | 20                     |

**For Portable Oxygen Device**

| Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Net Weight (kg) | Service Pressure (MPa) | Time of Oxygen Supply (When Used for 1L/min) |
|--------------------|-----------------------|-------------|-----------------|------------------------|--|
| 1                  | 89                    | 345         | ≤1.3            | 15                     | 140  |
| 1.4                | 89                    | 415         | ≤1.7            | 15                     | 200  |
| 2                  | 108                   | 435         | ≤2.3            | 15                     | 280  |
| 2.8                | 120                   | 395         | ≤2.7            | 15                     | 392  |
| 3.2                | 120                   | 510         | ≤3.6            | 15                     | 448  |
| 4                  | 140                   | 490         | ≤4.5            | 15                     | 600  |
| 6                  | 140                   | 583         | ≤5.7            | 15                     | 798  |
| 8                  | 140                   | 830         | ≤8.3            | 15                     | 1200   |
| 10                 | 159                   | 765         | ≤11             | 15                     | 1400   |
| 10*2               | 159                   | 765         | ≤22             | 15                     | 2800   |

**For Sampling**

| Model No.    | Water Capacity (L) | Outside Diameter (mm) | Length (mm) | Wall Thickness (mm) | Net Weight (kg) | Service Pressure (MPa) |
|--------------|--------------------|-----------------------|-------------|---------------------|-----------------|------------------------|
| LW-89-0.7-15 | 0.7                | 89                    | 232         | 4.5                 | 0.7             | 15                     |
| LW-89-1-15   | 1                  | 89                    | 291         | 4.5                 | 0.9             | 15                     |
| LW-89-2-15   | 2                  | 89                    | 361         | 4.5                 | 1.6             | 15                     |
| LW-108-1-15  | 1                  | 108                   | 252         | 5.5                 | 1               | 15                     |
| LW-108-2-15  | 2                  | 108                   | 386         | 5.5                 | 1.8             | 15                     |
| LW-108-3-15  | 3                  | 108                   | 520         | 5.5                 | 2.6             | 15                     |
| LW-108-4-15  | 4                  | 108                   | 654         | 5.5                 | 3.4             | 15                     |
| LW-140-4-15  | 4                  | 140                   | 450         | 7.1                 | 4.5             | 15                     |
| LW-140-6-15  | 6                  | 140                   | 611         | 7.1                 | 5.3             | 15                     |
| LW-140-8-15  | 8                  | 140                   | 771         | 7.1                 | 6.7             | 15                     |