

Specialty Gas Cylinder Dimensions

| Specialty Gas Cylinder Dimensions | | | | | | | |
|---|-------------------|--|------------|--------------------------------|---------|--|---------|
| Size | DOT Specification | Nominal Dimensions (Excluding Valve and Cap) in (cm) | | Average Tare Weight lb (kg) | | Average Internal Volume ft ³ (L) | |
| High Pressure | | | | | | | |
| 300 | 3AA2400 | 9 x 55 | (23 x 140) | 137 | (62) | 1.76 | (49.8) |
| 200 | 3AA2265 | 9 x 51 | (23 x 130) | 119 | (54) | 1.55 | (43.9) |
| 80 | 3A2015 | 7 x 33 | (18 x 84) | 57 | (26) | 0.56 | (15.9) |
| 35 | 3A2015 | 7 x 19 | (18 x 48) | 26 | (12) | 0.26 | (7.4) |
| 10 | 3AA2015 | 4 x 17 | (10 x 43) | 9 | (4) | 0.10 | (2.8) |
| LB02 | 3E1800 | 2 x 12 | (5 x 30) | 2 | (0.7) | 0.015 | (0.43) |
| LB/LBX | 3E1800 | 2 x 12 | (5 x 30) | 2 | (0.9) | 0.015 | (0.43) |
| E | 3AA2015 | 4 x 26 | (10 x 66) | 14 | (6) | 0.16 | (4.5) |
| 3HP | 3AA6000 | 10 x 51 | (25 x 130) | 300 | (136) | 1.49 | (42.2) |
| 2HP | 3AA3500 | 9 x 51 | (23 x 130) | 187 | (85) | 1.53 | (43.3) |
| Low Pressure | | | | | | | |
| 65 | 3A480 | 10 x 49 | (25 x 124) | 85 | (39) | 1.93 | (54.7) |
| B | 3A480 | 10 x 36 | (25 x 91) | 90 | (41) | 1.28 | (36.2) |
| C | 3A480 | 8 x 22 | (20 x 56) | 33 | (15) | 0.53 | (15.0) |
| 150LP | 4AA480 | 15 x 52 | (38 x 132) | 160 | (73) | 4.46 | (126.3) |
| 350LP | 4BW240/260 | 16 x 50 | (41 x 127) | 75 | (34) | 3.83 | (108.5) |
| 1/4 TON | 4BW240/260 | 22 x 48 | (56 x 122) | 167 | (76) | 7.64 | (216.4) |
| 65380LP | 4BA240/260 | 12 x 45 | (30 x 114) | 48 | (22) | 2.31 | (65.4) |
| 1/2 TON | 4BW240/260 | 30 x 57 | (76 x 145) | 315 | (143) | 16.00 | (453.0) |
| LP2.5 | 4B240 | 9 x 17 | (23 x 43) | 14 | (6) | 0.4 | (11.3) |
| LP5 | 4B240 | 12 x 18 | (30 x 46) | 18 | (8) | 0.77 | (21.8) |
| C₂H₂ | | | | | | | |
| 380 | 8/8AL | 12 x 41 | (30 x 104) | 185 | (84) | 2.36 | (66.8) |
| HCl, Bulk Electronic Gases | | | | | | | |
| Y | 3A1800 | 24 x 90 | (61 x 229) | 1,108 | (503) | 15.83 | (448) |
| H₂S | | | | | | | |
| TON | 106A800X | 30 x 82 | (76 x 208) | 2,254 | (1,022) | 25.82 | (731) |
| SO₂, C₂H₅Cl, Cl₂, CH₃Cl | | | | | | | |
| TON | 106A500X | 30 x 82 | (76 x 208) | 1,400 | (635) | 25.64 | (726) |
| Aluminum | | | | | | | |
| 300A | 3AL2216 | 10 x 55 | (25 x 132) | 90 | (41) | 1.64 | (46.4) |
| 150A | 3AL2015 | 8 x 48 | (20 x 122) | 48 | (22) | 1.04 | (29.5) |
| 80A | 3AL2216 | 7 x 33 | (18 x 84) | 32 | (15) | 0.56 | (15.8) |
| 33A | 3AL2216 | 7 x 16 | (18 x 41) | 15 | (7) | 0.21 | (5.9) |
| 9A | 3AL2015 | 4.5 x 15 | (10 x 26) | 9 | (4.4) | 0.095 | (2.68) |

*These dimensions are not exact. They should not be used for engineering drawings or equipment specifications.

Specialty Gas Cylinder Size Comparison Chart

| Specialty Gas Cylinder Size Comparison Chart | | | | | | | |
|--|--------|-------|-------------|---------|-----------------|-------|-----------------------|
| Approximate Dimensions (inches) | Airgas | Linde | Air Liquide | Praxair | Matheson Trigas | MG | Scott Specialty Gases |
| High Pressure Steel | | | | | | | |
| 9 x 55 | 300 | 049 | 49 | T | 1L | 300 | K |
| 9 x 51 | 200 | 044 | 44 | K | 1A | 200 | A |
| 7 x 33 | 80 | 016 | 16 | Q | 2 | 80 | B |
| 7 x 19 | 35 | 007 | 7 | G | 3 | 35 | C |
| 2 x 12 | LB | LBR | LB | LB | LB | LB | LB |
| 4 x 26 | E | 005 | MEDE | ANE | 3L | E | ER |
| 10 x 51 | 3HP | 485 | 44H | 6K | 1U | 3HP | — |
| 9 x 51 | 2HP | — | 44H | 3K | 1H | 2HP | — |
| Aluminum | | | | | | | |
| 10 x 52 | 300A | — | AT | — | — | — | — |
| 8 x 48 | 150A | A31 | 30AL | AS | 1R | 150AL | AL |
| 7 x 33 | 80A | A16 | 22AL | AQ | 2R | 80AL | BL |
| 7 x 16 | 33A | A07 | 7AL | AG | 3R | 33AL | CL |
| 4.5 x 15 | 9A | — | 9AL | — | — | 9AL | — |

Additional Supply Modes —

Bulk Specialty Gases and Chemicals

Many Airgas specialty gases and chemicals can be supplied in bulk quantity. Products available in bulk quantity are identified throughout the catalog by the symbols shown below:



Tank trucks are used for over-the-road transportation of cryogenic liquids. Liquid product is then transfilled to cryogenic storage tanks at customer locations.



Tube trailers (T.T.) provide over-the-road shipment of high-pressure gases, gaseous chemicals, and gas mixtures. The trailers serve as on-site storage systems at customer locations.

Cryogenic Liquid Cylinders

Cryogenic liquids such as nitrogen and helium are supplied in dewars (low-pressure cryogenic tanks) for larger requirements near customers' point of use.



MicroBulk

As your need for higher gas volumes increases, time lost to changing out cylinders and gas lost to venting liquid dewars can take a bigger bite out of your bottom line. Airgas MicroBulk delivery is the perfect way to get the cost efficiencies of bulk deliveries, but in smaller volumes. Airgas' integrated MicroBulk delivery system eliminates the hassles and extra expense of cylinders and liquid dewars and provides a safer work environment.



If you are considering large-volume supply, a representative from Airgas can discuss your requirements and the economics of alternate supply systems.

