

# CYLINDERS

**QUALITY CYLINDERS AT COMPETITIVE PRICES. RELY ON WESTERN INTERNATIONAL'S INVENTORY, EXPERTISE AND PROMPT DELIVERY OF HIGH-PRESSURE AND ACETYLENE CYLINDERS, AVAILABLE FOR PURCHASE OR LEASE.**



## High Pressure Cylinders

Approximate Capacity at rated pressure

(at 70° F corresponding to minimum cylinder volume)

| Model | Min.<br>Cylinder<br>Volume | Nom.<br>Cylinder<br>Weight | Nom. Dimensions |      |      | Service<br>Pressure | Air                | Oxygen | Nitrogen | Argon | Helium | Hydrogen |
|-------|----------------------------|----------------------------|-----------------|------|------|---------------------|--------------------|--------|----------|-------|--------|----------|
|       |                            |                            | OD              | L    | tmin |                     |                    |        |          |       |        |          |
|       | (in <sup>3</sup> )         | (lb)                       | (in)            | (in) | (in) | (psi)               | (ft <sup>3</sup> ) |        |          |       |        |          |
|       | (liter)                    | (kg)                       | (mm)            | (mm) | (mm) | (bar)               | (m <sup>3</sup> )  |        |          |       |        |          |

### UN ISO 9809-1 Specification High Pressure Cylinders

|       |      |        |       |       |       |      |       |       |       |       |       |       |
|-------|------|--------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 20    | 220  | 12.35  | 5.24  | 14.76 | 0.118 | 2234 | 19.3  | 20.6  | 18.9  | 20.5  | 18.0  | 17.7  |
|       | 3.6  | 5.6    | 134.0 | 375   | 3.0   | 154  | 0.55  | 0.58  | 0.53  | 0.58  | 0.51  | 0.50  |
| 40    | 476  | 28.22  | 7     | 17.91 | 0.157 | 2234 | 41.8  | 44.5  | 40.8  | 44.4  | 38.9  | 38.3  |
|       | 7.8  | 12.8   | 178.0 | 455   | 4.0   | 154  | 1.18  | 1.26  | 1.16  | 1.26  | 1.10  | 1.08  |
| 55/60 | 660  | 35.28  | 7     | 23.23 | 0.157 | 2234 | 57.9  | 61.7  | 56.6  | 61.5  | 53.9  | 53.1  |
|       | 10.8 | 16.0   | 178.0 | 575   | 4.0   | 154  | 1.64  | 1.75  | 1.60  | 1.74  | 1.53  | 1.50  |
| 80    | 958  | 46.31  | 7     | 32.09 | 0.157 | 2234 | 84.1  | 89.5  | 82.2  | 89.3  | 78.2  | 77.0  |
|       | 15.7 | 21.0   | 178.0 | 822   | 4.0   | 154  | 2.38  | 2.54  | 2.33  | 2.53  | 2.21  | 2.18  |
| 125   | 1320 | 59.54  | 7     | 42.7  | 0.165 | 2524 | 128.7 | 138.5 | 125.8 | 138.0 | 120.3 | 117.9 |
|       | 21.6 | 27.0   | 178.0 | 1085  | 4.2   | 174  | 3.64  | 3.92  | 3.56  | 3.91  | 3.41  | 3.34  |
| 150   | 1623 | 69.3   | 7.40  | 46.0  | 0.150 | 2234 | 142.5 | 151.7 | 139.3 | 151.2 | 132.5 | 130.5 |
|       | 26.6 | 31.4   | 187.0 | 1183  | 3.8   | 154  | 4.03  | 4.30  | 3.94  | 4.28  | 3.75  | 3.69  |
| 244   | 2640 | 112.46 | 9     | 51.6  | 0.197 | 2234 | 231.7 | 246.7 | 226.5 | 246.0 | 215.5 | 212.2 |
|       | 43.3 | 51.0   | 229.0 | 1310  | 5.0   | 154  | 6.56  | 6.99  | 6.41  | 6.97  | 6.10  | 6.01  |
| 277   | 2640 | 114.66 | 9     | 51.6  | 0.213 | 2524 | 257.4 | 277.0 | 251.6 | 276.0 | 240.6 | 235.7 |
|       | 43.3 | 53.0   | 229.0 | 1310  | 5.4   | 174  | 7.29  | 7.84  | 7.12  | 7.82  | 6.81  | 6.67  |
| 330   | 2978 | 134.51 | 9.25  | 55.5  | 0.228 | 2668 | 305.7 | 330.5 | 298.5 | 329.3 | 286.2 | 280.0 |
|       | 48.8 | 61.0   | 235.0 | 1410  | 5.8   | 184  | 8.66  | 9.36  | 8.45  | 9.33  | 8.10  | 7.93  |

#### Notes:

- All cylinders furnished with 3/4" NGT internal threads, unless specified otherwise.
- Nominal weight includes neckring but excludes the valve and cap. Add 1 1/2 lb (0.7 kg) for valve and 2 lb (0.91 kg) for cap.
- Cap adds approximately 5" (127 mm) to cylinder height.
- Cylinder capacities are approximate at 70° F (21° C).



### WHY WESTERN INTERNATIONAL?

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CYLINDERS



## ACETYLENE CYLINDERS FROM THE WORLD'S LARGEST ACETYLENE MANUFACTURER

### Acetylene Cylinders Dimensions & Specifications

#### DOT / TC Specification Acetylene Cylinders

| Model | Min.<br>Cylinder<br>Volume    | Approx.<br>Tare Wgt.<br>w/Valve<br>(w/o Cap) | Nom. Dimensions |                                |                              |              | Solvent<br>Acetone<br>[DMF] | Acetylene<br>Capacity                   |
|-------|-------------------------------|----------------------------------------------|-----------------|--------------------------------|------------------------------|--------------|-----------------------------|-----------------------------------------|
|       |                               |                                              | OD              | Height<br>w/o Valve<br>and Cap | Height<br>w/Valve<br>and Cap | tmin         |                             |                                         |
|       | (in <sup>3</sup> )<br>(liter) | (lb)<br>(kg)                                 | (in)<br>(mm)    | (in)<br>(mm)                   | (in)<br>(mm)                 | (in)<br>(mm) | (lb-oz)<br>(kg)             | (ft <sup>3</sup> )<br>(m <sup>3</sup> ) |
| MC    | 125                           | 8                                            | 3.95            | 13.0                           | 14.8                         | 0.055        | 1-6                         | 10.0                                    |
|       | 2.0                           | 3.6                                          | 100.3           | 330                            | 375                          | 1.40         | 0.62                        | 0.28                                    |
| B     | 466                           | 26                                           | 6.18            | 19.7                           | 23.3                         | 0.089        | 5-7                         | 40.0                                    |
|       | 7.6                           | 11.8                                         | 156.9           | 500                            | 592                          | 2.26         | 2.47                        | 1.13                                    |
| A75   | 855                           | 45                                           | 7.18            | 25.8                           | 31.5                         | 0.089        | 9-8                         | 75.0                                    |
|       | 14.0                          | 20.4                                         | 182.3           | 655                            | 800                          | 2.26         | 4.31                        | 2.12                                    |
| A145  | 1527                          | 76                                           | 8.21            | 33.9                           | 39.8                         | 0.102        | 18-10                       | 145.0                                   |
|       | 25.0                          | 34.5                                         | 208.5           | 861                            | 1011                         | 2.59         | 8.45                        | 4.11                                    |
| A250  | 2606                          | 115                                          | 10.26           | 36.7                           | 42.5                         | 0.126        | 30-12                       | 250.0                                   |
|       | 42.7                          | 52.2                                         | 260.6           | 932                            | 1080                         | 3.20         | 13.95                       | 7.08                                    |
| A390  | 4151                          | 170                                          | 12.26           | 41.0                           | 46.8                         | 0.120        | 49-14                       | 390.0                                   |
|       | 68.0                          | 77.1                                         | 311.4           | 1041                           | 1187                         | 3.05         | 22.62                       | 11.04                                   |
| A420  | 4375                          | 178                                          | 12.26           | 43.3                           | 49.0                         | 0.120        | 51-14                       | 420.0                                   |
|       | 71.7                          | 80.7                                         | 311.4           | 1099                           | 1245                         | 3.05         | 23.53                       | 11.89                                   |

#### Notes:

-Standard tapping is 3/4"-14 NGT except MC and B, which are tapped for 3/8" valve.

All Models except MC and B are equipped for valve protection cap.

-Tare weight includes the shell, filler, solvent, paint, saturation gas, valve and fuse plugs. Does not include the cap weight of 2 lb (0.91 kg)

-Cylinder Capacities are based on commercially pure acetylene gas at 250 psi (17.24bar) and 70° F (21° C).



For more information, please call  
(979) 413-2100 to speak with a  
Western Account Manager.

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