



# SCUBA SPECIFICATIONS

| PART # | WATER CAPACITY     |       |     |        | DIAMETER |    | LENGTH |    | CYLINDER WEIGHT |     | BUOYANCY |         |       |
|--------|--------------------|-------|-----|--------|----------|----|--------|----|-----------------|-----|----------|---------|-------|
|        | Capacity<br>cu ft* | cu in | lbs | liters | in       | mm | in     | mm | lbs             | kgs | full     | 500 psi | empty |

## 3300 SERIES - 3300 PSI (228 BAR)

|             |     |      |      |      |       |      |     |      |      |      |      |      |
|-------------|-----|------|------|------|-------|------|-----|------|------|------|------|------|
| <b>C100</b> | 807 | 29.2 | 13.2 | 8.00 | 203.2 | 26.5 | 673 | 42.0 | 19.1 | -5.2 | 0.6  | 2.2  |
| <b>C80</b>  | 625 | 22.6 | 10.3 | 7.25 | 184.2 | 25.5 | 648 | 34.7 | 15.7 | -5.8 | -1.3 | 0.0  |
| <b>C60</b>  | 486 | 17.5 | 7.9  | 7.25 | 184.2 | 19.9 | 506 | 27.3 | 12.4 | -5.6 | -2.1 | -1.2 |

## 3000 SERIES - 3000 PSI (207 BAR)

|            |     |      |      |      |       |      |     |      |      |      |      |      |
|------------|-----|------|------|------|-------|------|-----|------|------|------|------|------|
| <b>S80</b> | 678 | 24.5 | 11.1 | 7.25 | 184.2 | 25.9 | 658 | 31.3 | 14.2 | -1.6 | 2.8  | 4.1  |
| <b>S63</b> | 552 | 19.9 | 9.0  | 7.25 | 184.2 | 21.7 | 551 | 26.9 | 12.2 | -2.8 | 0.7  | 1.8  |
| <b>S53</b> | 464 | 16.8 | 7.6  | 7.25 | 184.2 | 19.2 | 488 | 25.1 | 11.4 | -3.8 | -0.8 | 0.1  |
| <b>S50</b> | 438 | 15.9 | 7.2  | 6.89 | 175.0 | 19.4 | 493 | 21.8 | 9.9  | -2.4 | 0.4  | 1.2  |
| <b>S45</b> | 394 | 14.2 | 6.4  | 6.89 | 175.0 | 17.7 | 450 | 20.3 | 9.2  | -2.8 | -0.3 | 0.5  |
| <b>S40</b> | 350 | 12.7 | 5.8  | 5.25 | 133.4 | 25.4 | 645 | 16.2 | 7.3  | -1.5 | 0.7  | 1.4  |
| <b>S30</b> | 263 | 9.5  | 4.3  | 5.25 | 133.4 | 19.9 | 505 | 13.6 | 6.2  | -2.4 | -0.7 | -0.2 |
| <b>S19</b> | 166 | 6    | 2.7  | 4.38 | 111.3 | 17.7 | 450 | 7.8  | 3.5  | -1.5 | -0.4 | -0.2 |
| <b>S13</b> | 114 | 4.1  | 1.9  | 4.38 | 111.3 | 12.8 | 325 | 5.7  | 2.6  | -1.8 | -1.0 | -0.9 |
| <b>S6</b>  | 53  | 1.9  | 0.9  | 3.21 | 81.5  | 10.8 | 274 | 2.6  | 1.2  | -1.5 | -1.2 | -1.2 |
| <b>S4</b>  | 35  | 1.3  | 0.6  | 3.21 | 81.5  | 7.8  | 198 | 1.9  | 0.9  | -1.6 | -1.4 | -1.4 |

\* All capacities are exact except the industry standard S80 & C80 which have an actual capacity of 77.4 cu ft

- Specification:** - DOT-3AL & TC-3ALM designed  
- ISO design cylinders are available
- Alloy:** - Manufactured from high strength aluminum alloy 6061-T6
- Threads:** - Standard 3/4-14 NPSM  
- Other thread sizes available upon request
- Markings:** - As required by specification  
- Additional markings available upon request
- Finish:** - Shot blasted, fully brushed & powder coat finishes available
- Graphics:** - Logos or labels in silkscreen or Duragrafix available upon request
- Accessories:** - Valves installed upon request

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# MEDICAL SPECIFICATIONS

| PART # | SERVICE PRESSURE |     | WATER CAPACITY |        | DIAMETER |       | LENGTH |      | CYLINDER WEIGHT |      | OXYGEN |        |
|--------|------------------|-----|----------------|--------|----------|-------|--------|------|-----------------|------|--------|--------|
|        | psi              | bar | lbs            | liters | in       | mm    | in     | mm   | lbs             | kgs  | cu ft  | liters |
| M74    | 3000             | 207 | 22.0           | 10.0   | 7.25     | 184.2 | 23.8   | 605  | 28.4            | 12.9 | 77     | 2167   |
| M32    | 3000             | 207 | 9.1            | 4.1    | 4.38     | 111.3 | 25.5   | 648  | 10.8            | 4.9  | 32     | 906    |
| M20    | 3000             | 207 | 5.7            | 2.6    | 4.38     | 111.3 | 16.8   | 427  | 7.3             | 3.3  | 20     | 566    |
| M12    | 3000             | 207 | 3.4            | 1.5    | 4.38     | 111.3 | 10.9   | 277  | 5.1             | 2.3  | 12     | 340    |
| M7.8   | 3000             | 207 | 2.1            | 1.0    | 4.38     | 111.3 | 7.8    | 198  | 3.9             | 1.8  | 7.8    | 221    |
| M7.5   | 3000             | 207 | 2.1            | 1.0    | 3.21     | 81.5  | 11.8   | 300  | 2.9             | 1.3  | 7.5    | 212    |
| M265   | 2216             | 153 | 102.2          | 46.4   | 9.80     | 248.9 | 51.7   | 1313 | 84.7            | 38.4 | 265    | 7503   |
| M150   | 2015             | 139 | 63.7           | 28.9   | 8.00     | 203.2 | 47.2   | 1198 | 49.2            | 22.3 | 150    | 4248   |
| M122   | 2216             | 153 | 47.1           | 21.4   | 8.00     | 203.2 | 36.2   | 919  | 40.3            | 17.9 | 122    | 3455   |
| M90    | 2216             | 153 | 34.7           | 15.7   | 7.25     | 184.2 | 32.7   | 830  | 30.4            | 13.7 | 90     | 2549   |
| M60    | 2216             | 153 | 23.2           | 10.5   | 7.25     | 184.2 | 23.1   | 587  | 22.3            | 10.1 | 60     | 1699   |
| ME     | 2015             | 139 | 10.2           | 4.6    | 4.38     | 111.3 | 25.4   | 645  | 7.8             | 3.5  | 24     | 680    |
| M22    | 2216             | 153 | 8.5            | 3.9    | 5.25     | 133.4 | 16.3   | 414  | 8.2             | 3.7  | 22     | 623    |
| MD     | 2015             | 139 | 6.4            | 2.9    | 4.38     | 111.3 | 16.7   | 424  | 5.4             | 2.5  | 15     | 425    |
| M9     | 2015             | 139 | 3.8            | 1.7    | 4.38     | 111.3 | 10.9   | 277  | 3.8             | 1.7  | 9.0    | 255    |
| M7     | 2015             | 139 | 3.0            | 1.4    | 4.38     | 111.3 | 9.1    | 231  | 3.2             | 1.5  | 7.0    | 198    |
| ML6    | 2015             | 139 | 2.5            | 1.2    | 4.38     | 111.3 | 7.9    | 200  | 2.9             | 1.3  | 6.0    | 170    |
| M6     | 2216             | 153 | 2.3            | 1.0    | 3.21     | 81.5  | 11.8   | 300  | 2.3             | 1    | 6.0    | 170    |
| M4     | 2216             | 153 | 1.5            | 0.7    | 3.21     | 81.5  | 8.7    | 221  | 1.7             | 0.8  | 4.0    | 113    |
| M2     | 2216             | 153 | 0.6            | 0.3    | 2.50     | 63.5  | 5.9    | 149  | 0.75            | 0.34 | 1.6    | 45     |

- Specification:** - DOT-3AL & TC-3ALM designed  
 - ISO design cylinders are available
- Alloy:** - Manufactured from high strength aluminum alloy 6061-T6
- Threads:** - M60 and larger supplied with 1.125-12 UNF thread, all others with .750-16 UNF thread
- Markings:** - As required by specification  
 - Additional markings available upon request
- Finish:** - Standard finish is brushed body with green crown (white crown for Canada) and clear paint
- Graphics:** - Logos or labels in silkscreen or Duragrafix available upon request
- Accessories:** - Valves installed upon request  
 - M60 and larger are available with either a carrying handle or protective caps and collars

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# INDUSTRIAL & SPECIALTY GAS SPECIFICATIONS

| PART # | SERVICE PRESSURE |      | WATER CAPACITY |        | DIAMETER |       | LENGTH |      | CYLINDER WEIGHT |      | OXYGEN |       | NITROGEN |
|--------|------------------|------|----------------|--------|----------|-------|--------|------|-----------------|------|--------|-------|----------|
|        | PSI              | BAR  | lbs            | liters | in       | mm    | in     | mm   | lbs             | kgs  | lbs    | kgs   | cu ft    |
|        | I265             | 2216 | 153            | 102.2  | 46.4     | 9.80  | 248.9  | 51.7 | 1313            | 84.7 | 38.4   | 265.0 | 7503     |
| I150   | 2015             | 139  | 63.7           | 28.9   | 8.00     | 203.2 | 47.2   | 1198 | 49.2            | 22.3 | 150.0  | 4248  | 138.8    |
| I20L   | 2900             | 200  | 44.1           | 20.0   | 8.00     | 203.2 | 36.9   | 937  | 49.5            | 22.5 | 149.0  | 4219  | 137.0    |
| I122   | 2216             | 153  | 47.1           | 21.4   | 8.00     | 203.2 | 36.2   | 919  | 40.3            | 17.9 | 122.0  | 3455  | 113.0    |
| I90    | 2216             | 153  | 34.7           | 15.7   | 7.25     | 184.2 | 32.6   | 828  | 30.4            | 13.7 | 90.0   | 2549  | 82.9     |
| I60    | 2216             | 153  | 23.2           | 10.5   | 7.25     | 184.2 | 22.9   | 582  | 22.3            | 10.1 | 60.0   | 1699  | 55.4     |
| I48    | 2216             | 153  | 18.6           | 8.4    | 5.25     | 133.4 | 32.2   | 818  | 15.2            | 6.9  | 48.2   | 1365  | 44.6     |
| I33    | 2216             | 153  | 13.0           | 5.9    | 6.89     | 175.0 | 15.3   | 388  | 13.8            | 6.3  | 33.7   | 954   | 31.2     |
| I24    | 2015             | 139  | 10.2           | 4.6    | 4.38     | 111.3 | 25.4   | 645  | 7.8             | 3.5  | 24.0   | 680   | 22.0     |
| I22    | 2216             | 153  | 8.5            | 3.9    | 5.25     | 133.4 | 16.3   | 414  | 8.2             | 3.7  | 22.0   | 623   | 20.4     |
| I6     | 2216             | 153  | 2.3            | 1.0    | 3.21     | 81.5  | 11.8   | 300  | 2.3             | 1.0  | 6.0    | 170   | 5.6      |
| I4     | 2216             | 153  | 1.5            | 0.7    | 3.21     | 81.5  | 8.7    | 221  | 1.7             | 0.8  | 4.0    | 113   | 3.7      |

- Specification:**
- DOT-3AL & TC-3ALM designed
  - ISO design cylinders are available
- Alloy:**
- Manufactured from high strength aluminum alloy 6061-T6
- Threads:**
- Standard thread is .750-16 UNF & 1.125-12 UNF
  - Taper threads are 3/4-14 NGT, 25E, etc.
  - Other thread sizes available upon request
- Markings:**
- As required by specification
  - Additional markings available upon request
- Finish:**
- Standard finish is brushed body with unpainted crown
  - Heat sensitive clear coat is available upon request
- Cleaning:**
- Industrial cylinders are provided commercially cleaned
  - Specialty gas cylinders are provided spec gas cleaned
- Graphics:**
- Logos or labels in silkscreen or Duragrafix available upon request
- Accessories:**
- Valves can be installed upon request
  - I33 and larger available with carrying handle or cap & collar

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## CARBON DIOXIDE SPECIFICATIONS

| PART #       | WATER CAPACITY |      |        | DIAMETER |       | LENGTH |      | CYLINDER WEIGHT |      | CO <sub>2</sub> |      | NITROGEN |
|--------------|----------------|------|--------|----------|-------|--------|------|-----------------|------|-----------------|------|----------|
|              | cu in          | lbs  | liters | in       | mm    | in     | mm   | lbs             | kgs  | lbs             | kgs  | cu ft    |
| <b>B50</b>   | 2035           | 73.5 | 33.3   | 8.60     | 218.4 | 46.3   | 1175 | 48.3            | 21.9 | 50.0            | 22.7 | 144.0    |
| <b>B35</b>   | 1426           | 51.5 | 23.4   | 8.00     | 203.2 | 37.8   | 960  | 35.2            | 16.0 | 35.0            | 15.9 | 100.9    |
| <b>B22</b>   | 901            | 32.5 | 14.7   | 8.00     | 203.2 | 25.1   | 638  | 25.3            | 11.5 | 22.0            | 10.0 | 63.5     |
| <b>B20</b>   | 814            | 29.4 | 13.3   | 8.00     | 203.2 | 23.2   | 589  | 23.7            | 10.8 | 20.0            | 9.1  | 57.6     |
| <b>B15</b>   | 612            | 22.1 | 10.0   | 6.89     | 175.0 | 23.1   | 587  | 16.8            | 7.6  | 15.0            | 6.8  | 43.3     |
| <b>B10</b>   | 407            | 14.7 | 6.70   | 6.89     | 175.0 | 16.5   | 419  | 12.6            | 5.7  | 10.0            | 4.5  | 29.0     |
| <b>B5</b>    | 203            | 7.4  | 3.40   | 5.25     | 133.4 | 14.2   | 361  | 6.3             | 2.9  | 5.0             | 2.3  | 14.5     |
| <b>B2.5</b>  | 102            | 3.7  | 1.70   | 4.38     | 111.3 | 10.3   | 262  | 3.3             | 1.5  | 2.5             | 1.1  | 7.2      |
| <b>B2</b>    | 83.0           | 3.0  | 1.40   | 4.38     | 111.3 | 8.5    | 213  | 2.9             | 1.3  | 2.0             | 0.9  | 5.9      |
| <b>B1.75</b> | 71.4           | 2.6  | 1.17   | 3.21     | 81.4  | 12.5   | 317  | 1.9             | 0.9  | 1.75            | 0.8  | 5.1      |
| <b>B1.5</b>  | 61.2           | 2.2  | 1.00   | 3.21     | 81.4  | 11.1   | 281  | 1.7             | 0.8  | 1.5             | 0.7  | 4.3      |
| <b>B1</b>    | 40.7           | 1.5  | 0.66   | 3.21     | 81.5  | 7.8    | 197  | 1.4             | 0.6  | 1.0             | 0.5  | 2.9      |

**Service Pressure:** - 1800 psi / 124 bar

**Specification:** - DOT-3AL & TC-3ALM designed  
- ISO design cylinders are available

**Alloy:** - Manufactured from high strength aluminum alloy 6061-T6

**Threads:** - B5 & larger supplied with 1.125-12 UNF thread, all others with .750-16 UNF thread  
- Other thread sizes available upon request

**Markings:** - As required by specification, inclusive of tare weight  
- Additional markings available upon request

**Finish:** - Standard finish is brushed body with unpainted crown

**Graphics:** - Logos or labels in silkscreen or Duragrafix available upon request

**Common Configuration:** - B10 and larger with valve & carrying handle, B5 and smaller with valve only  
- Caps & collars or dip tubes available upon request

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