

NEW PROLITE^{SS} COMPOSITE. EVEN A MAN OF STEEL WON'T BE ABLE TO RESIST IT.

©2013 Flexcon Industries



150_{psi}

fibre wound
composite
shell.

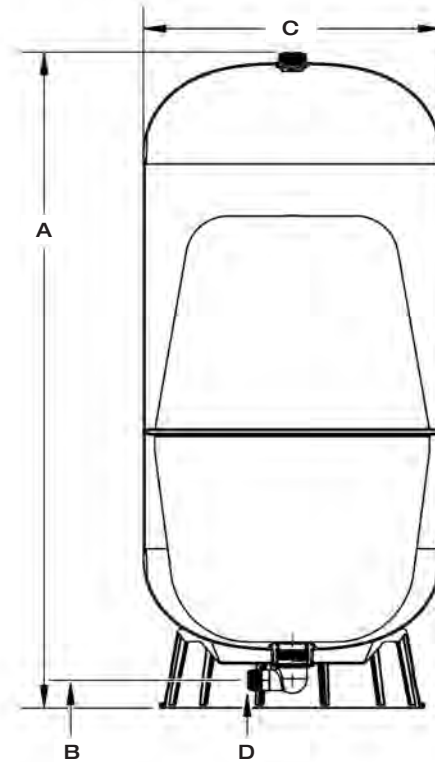
Noncorrosive
all stainless steel
water connection

FLEXCON
INDUSTRIES
The Reliable Source®



MATERIALS OF CONSTRUCTION

- *Top and bottom domes:* Injection molded copolymer polypropylene
- *Shell:* Extruded copolymer polypropylene
- *Outer shell:* Fiberglass-wound, coated with epoxy resin
- *Water chambers:* Top diaphragm is 100% butyl rubber, lower water chamber is copolymer polypropylene
- *Base:* Copolymer polypropylene
- *Connection:* Stainless Steel
- *Air valve:* Brass valve with o-ring seal



COMPOSITE TANK DIMENSIONS

| Model | Total Tank Volume | | A Height | | B Floor to CL | | C Diameter | | D | Total Weight Connection | |
|--------|-------------------|--------|-------------|-------|------------------|-----|---------------|------|------------|----------------------------|-------|
| | gal | liters | in | cm | in | cm | in | cm | | lbs | kilos |
| CSS15 | 15 | 56.8 | 25.9 | 64.0 | 1.75 | 4.4 | 16.5 | 41.9 | 1" FPT | 20.0 | 9.1 |
| CSS22 | 22 | 83.3 | 34.1 | 84.1 | 1.75 | 4.4 | 16.5 | 41.9 | 1" FPT | 25.2 | 11.5 |
| CSS35 | 35 | 132.5 | 48.9 | 121.7 | 1.75 | 4.4 | 16.5 | 41.9 | 1" FPT | 35.7 | 16.2 |
| CSS50 | 50 | 189.3 | 43.3 | 109.0 | 2.24 | 5.7 | 21.4 | 54.4 | 1 1/4" FPT | 46.7 | 21.2 |
| CSS65 | 65 | 246.0 | 51.3 | 129.3 | 2.24 | 5.7 | 21.4 | 54.4 | 1 1/4" FPT | 57.8 | 26.3 |
| CSS82 | 82 | 310.4 | 64.7 | 163.3 | 2.24 | 5.7 | 21.4 | 54.4 | 1 1/4" FPT | 65.1 | 29.6 |
| CSS90 | 90 | 340.7 | 57.0 | 143.8 | 2.10 | 5.3 | 24.2 | 61.5 | 1 1/4" FPT | 76.7 | 34.9 |
| CSS120 | 119 | 450.4 | 72.1 | 182.1 | 2.10 | 5.3 | 24.2 | 61.5 | 1 1/4" FPT | 84.0 | 38.2 |

Maximum working pressure 150 psig. Maximum working temperature, internal & external 120° F. Tank pre-charge 38 psig.

QUICK SIZING CHART

| Model | Total Tank Volume | | Total Drawdown* | | | | | |
|--------|-------------------|--------|-----------------|--------|-------|--------|-------|--------|
| | gal | liters | 20/40 | | 30/50 | | 40/60 | |
| | gal | liters | gal | liters | gal | liters | gal | liters |
| CSS15 | 15 | 56.8 | 6.00 | 24.1 | 5.1 | 20.4 | 4.4 | 17.7 |
| CSS22 | 22 | 83.3 | 8.80 | 32.2 | 7.5 | 27.2 | 6.5 | 23.6 |
| CSS35 | 35 | 132.5 | 14.10 | 52.3 | 11.9 | 44.2 | 10.3 | 38.3 |
| CSS50 | 50 | 189.3 | 20.10 | 76.4 | 17.0 | 64.6 | 14.7 | 56.0 |
| CSS65 | 65 | 246.0 | 26.10 | 100.5 | 22.1 | 85.0 | 19.1 | 73.6 |
| CSS82 | 82 | 310.4 | 33.00 | 120.7 | 27.9 | 102.0 | 24.1 | 88.4 |
| CSS90 | 90 | 340.7 | 36.20 | 136.7 | 30.6 | 115.6 | 26.5 | 100.1 |
| CSS120 | 119 | 450.4 | 47.90 | 181.0 | 40.5 | 153.0 | 35.0 | 132.5 |

*Total drawdown assumes tank pre-charge set at 2 psi below cut-in pressure. Drawdown can be affected by many factors, including temperature, pressure, and elevation.

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