

Submittal Data

Challenger "I" Series

Water System Tanks

Job Name: _____ Schedule #: _____

Location: _____ Model #: _____

Engineer: _____ Representative: _____

Contractor: _____

Materials of Construction

Shell: Drawn steel w/ epoxy finish

Diaphragm: Butyl rubber w/ copolymer polypropylene lower water chamber

Connection: Stainless steel FPT

Description

Challenger "I" series tanks are diaphragm type, pre-charged hydro-pneumatic tanks designed for residential and commercial water well, pressure booster, and irrigation systems.



Ratings

Max. Working Pressure: 125 PSI
 Max. Working Temp: 140 F
 Pre-Charge (adjustable): 38 PSI



Tank Specifications

| Model | Diameter (inches) | Height (inches) | System Connection (inches) | Volume (gallons) | Drawdown (gallons) | | | Weight (lbs) |
|--------------|-------------------|-----------------|----------------------------|------------------|--------------------|-------|-------|--------------|
| | | | | | 20/40 | 30/50 | 40/60 | |
| I 15-PC 44 | 16 | 22 | 1 | 14 | 5.6 | 4.8 | 4.1 | 28 |
| I 20-PC 66 | 16 | 29 | 1 | 20 | 8.1 | 6.8 | 5.9 | 36 |
| I 25-PC 88 | 16 | 34.5 | 1 | 26 | 10.5 | 8.9 | 7.7 | 41 |
| I 30-PC 111 | 21 | 27.75 | 1 1/4 | 32 | 12.9 | 10.9 | 9.4 | 54 |
| I 35-PC 122 | 16 | 42.75 | 1 | 33.4 | 13.3 | 11.3 | 9.7 | 49 |
| I 45-PC 144 | 21 | 36.25 | 1 1/4 | 44 | 17.7 | 15.0 | 13.0 | 67 |
| I 60-PC 211 | 21 | 48 | 1 1/4 | 62 | 25.0 | 21.1 | 18.3 | 82 |
| I 80-PC 244 | 21 | 62 | 1 1/4 | 81 | 32.6 | 27.6 | 23.9 | 99 |
| I 85-PC 266 | 26 | 44.5 | 1 1/4 | 85 | 34.3 | 29.0 | 25.1 | 121 |
| I 120-PC 366 | 26 | 59.75 | 1 1/4 | 119 | 48.0 | 40.6 | 35.1 | 153 |

