



# 43SOUTH

## PRESSURE TANKS



### FEATURES

- **Seamless Connector** – Patented Leak Safe Technology with Welded 304 Stainless Steel Connector
- **PP Liner** – FDA Polypropylene Liner
- **Air-Seal Diaphragm** – Butyl Rubber Diaphragm, 100% Air Seal
- **Welding Zone** – Pressure Equipment Directive Certified Welding Structure
- **Coating** – Triple Coating Rust Protection

### PRESSURE TANK INFORMATION

A pressure tank is an essential part of a pressurised water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner. This process reduces the number of times the motor needs to start in order for the system pressure to remain at the set level.

A properly sized pump and pump tank will work as a team to meet your needs and will deliver many years of dependable service.

### OPERATING CONDITIONS

Suitable for pumping clean water

Fluid: Water

Maximum working temperature: 93°C

Maximum working pressure: 10 bar

Nitrogen Factory pre-charge: 2 bar

Liner Material: FDA Grade Polypropylene.

Diaphragm: Virgin Heavy Duty Butyl Rubber.

Shell: Cold Rolled Carbon Steel Pressure Equipment Directive certified welding structure.

Connection: Patented Leak Safe Technology with welded 304 Stainless Steel Connection.

Paint: Shield Coating 3x thickness for high humidity and salt content like beaches and rivers.

## VERTICAL PRESSURE TANKS - PERFORMANCE TABLE

| Model Number           | Total Tank Volume |     | Diameter |      | Height (base Including) |      | Box Length |      | Box Width |      | Box Height |      | N.W  |       | G.W  |       | Shipping Volume | Connection |
|------------------------|-------------------|-----|----------|------|-------------------------|------|------------|------|-----------|------|------------|------|------|-------|------|-------|-----------------|------------|
|                        | Litre             | Gal | cm       | Inch | cm                      | Inch | cm         | Inch | cm        | Inch | cm         | Inch | Kg   | Lbs.  | KG   | Lbs.  | CUF             |            |
| 43SPT-003              | 3                 | 0.8 | 14.0     | 5.5  | 21.0                    | 8.3  | 31.0       | 12.2 | 31.0      | 12.2 | 24.0       | 9.4  | 4.1  | 9.0   | 4.7  | 10.4  | 0.81            | 1"         |
| 43SPT-008              | 8                 | 2.0 | 20.3     | 8.0  | 30.1                    | 11.9 | 21.0       | 8.3  | 21.0      | 8.3  | 32.0       | 12.6 | 1.9  | 4.2   | 2.3  | 5.1   | 0.50            | 1"         |
| 43SPT-018              | 18                | 4.5 | 28.0     | 11.0 | 36.5                    | 14.4 | 28.0       | 11.0 | 28.0      | 11.0 | 39.0       | 15.4 | 3.4  | 7.5   | 3.8  | 8.4   | 1.08            | 1"         |
| 43SPT-024              | 24                | 6.0 | 29.0     | 11.4 | 40.7                    | 16.0 | 31.0       | 12.2 | 31.0      | 12.2 | 42.0       | 16.5 | 3.6  | 7.9   | 4.5  | 9.9   | 1.42            | 1"         |
| Stand Models with Base |                   |     |          |      |                         |      |            |      |           |      |            |      |      |       |      |       |                 |            |
| 43SPT-060              | 60                | 14  | 39.0     | 15.4 | 59.0                    | 23.2 | 40.0       | 15.7 | 40.0      | 15.7 | 62.0       | 24.4 | 9.4  | 20.7  | 10.7 | 23.6  | 3.5             | 1"         |
| 43SPT-080              | 80                | 20  | 43.2     | 17.0 | 70.0                    | 27.6 | 45.0       | 17.7 | 45.0      | 17.7 | 70.0       | 27.6 | 12.7 | 28.0  | 14.6 | 32.2  | 5.00            | 1"         |
| 43SPT-100              | 100               | 28  | 43.2     | 17.0 | 76.3                    | 30.0 | 45.0       | 17.7 | 45.0      | 17.7 | 80.0       | 31.5 | 13.7 | 30.2  | 15.6 | 34.4  | 5.72            | 1"         |
| 43SPT-130              | 130               | 34  | 55.0     | 21.7 | 79.2                    | 31.2 | 55.0       | 21.7 | 55.0      | 21.7 | 80.0       | 31.5 | 21.5 | 47.4  | 24.5 | 54.0  | 8.54            | 1"         |
| 43SPT-160              | 160               | 44  | 55.0     | 21.7 | 93.3                    | 36.7 | 55.0       | 21.7 | 55.0      | 21.7 | 94.0       | 37.0 | 23.9 | 52.7  | 27.2 | 60.0  | 10.04           | 1-1/4"     |
| 43SPT-240              | 240               | 62  | 55.0     | 21.7 | 119.3                   | 47.0 | 55.0       | 21.7 | 55.0      | 21.7 | 120.0      | 47.2 | 34.9 | 76.9  | 37.7 | 83.1  | 12.81           | 1-1/4"     |
| 43SPT-300              | 300               | 81  | 55.0     | 21.7 | 146.1                   | 57.5 | 55.0       | 21.7 | 55.0      | 21.7 | 149.0      | 58.7 | 39.9 | 88.0  | 45.9 | 101.2 | 15.91           | 1-1/4"     |
| 43SPT-450              | 450               | 120 | 65.0     | 25.6 | 141.2                   | 55.6 | 65.0       | 25.6 | 65.0      | 25.6 | 145.0      | 57.1 | 56.9 | 125.4 | 61.9 | 136.5 | 21.63           | 1-1/4"     |

## HORIZONTAL PRESSURE TANKS - PERFORMANCE TABLE

| Model Number | Total Tank Volume |     | Diameter |      | Height (base Including) |      | Length |      | Box Length |      | Box Width |      | Box Height |      | N.W  |      | G.W  |      | Shipping Volume | Con |
|--------------|-------------------|-----|----------|------|-------------------------|------|--------|------|------------|------|-----------|------|------------|------|------|------|------|------|-----------------|-----|
|              | Litre             | Gal | cm       | Inch | cm                      | Inch | cm     | Inch | cm         | Inch | cm        | Inch | cm         | Inch | Kg   | Lbs. | KG   | Lbs. | CUF             |     |
| 43SPT-024H   | 24                | 6.0 | 29.0     | 11.4 | 32.0                    | 12.6 | 40.7   | 16.0 | 43.0       | 16.9 | 30.0      | 11.8 | 34.0       | 13.4 | 4.5  | 9.9  | 5.1  | 11.2 | 1.55            | 1"  |
| 43SPT-060H   | 60                | 14  | 39.0     | 15.4 | 42.8                    | 16.9 | 52.3   | 20.6 | 54.0       | 21.3 | 40.6      | 16.0 | 45.6       | 18.0 | 9.9  | 21.8 | 11.2 | 24.7 | 3.53            | 1"  |
| 43SPT-080H   | 80                | 20  | 43.2     | 17.0 | 46.63                   | 18.4 | 61.6   | 24.3 | 64.0       | 25.2 | 45.0      | 17.7 | 49.0       | 19.3 | 12.8 | 28.2 | 14.3 | 31.5 | 4.98            | 1"  |