



Depend on Davey

DAVEY

APPLICATIONS

Supercell P tanks can be used as storage units for water under pressure in:-

- Household, farm or industrial water pressure systems
- Hydronic heating system expansion tanks
- Water hammer arrestor systems
- Mains water toilet flushing systems

WHY CHOOSE THE DAVEY Supercell P Tanks?

Captive diaphragm held firmly in a central position:

- Less movement allowing use of a thicker reinforced diaphragm material than a bag or bladder tank for longer life

Heavy duty butyl diaphragm meets all major worldwide requirements for potable water applications:

- Safe, non-toxic

Safe potable grade virgin polypropylene liner seals the water from the tank shell:

- Longer life
- Specific wear areas reinforced for longer life.

Deep drawn steel shell with appliance like 2 part polyurethane enamel finish and epoxy primer:

- Protected against rusting & the effects of UV light for long life

Patented stainless steel water connection:

- Long life even in less than perfect water conditions
- Seals water and air chambers ensuring a complete leak free and maintenance free pressure vessel

Every tank is individually tested:

- Guaranteed reliable operation

Compliance with the strict requirements of ISO 9001, NSF Standard 61, CE/PED, WRAS, ACS, Watermark and Gost quality standards:

- Consistent product quality
- Assurance of acceptance by plumbing regulators



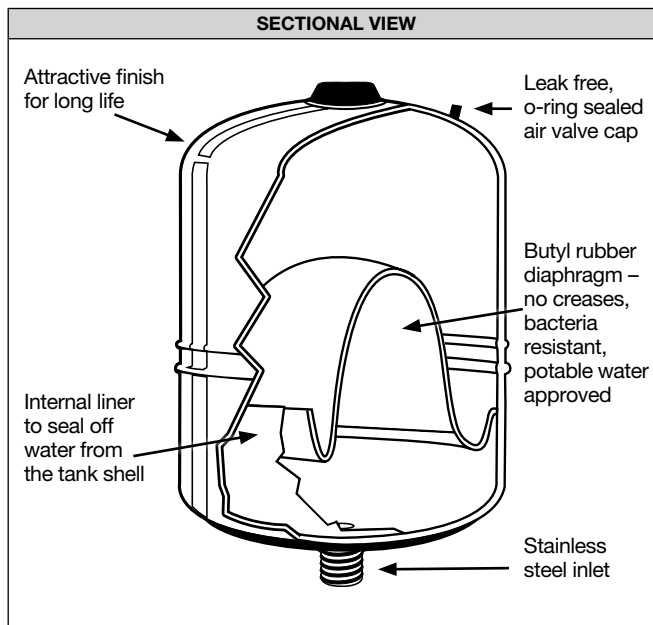
Supercell P Pressure Tanks

Model Numbers: 24008P, 24018P, 24018PHP16, 24040P, 24060P, 24080PHP16 & 24100P

Robust hydro-pneumatic water pressure vessels of captive diaphragm design.



| MATERIALS OF CONSTRUCTION | |
|---------------------------|--|
| Part | Material |
| Tank shell | Steel |
| Tank finish | Epoxy primed with 2 part polyurethane enamel |
| Diaphragm | Butyl rubber - FDA approval |
| Tank inner liner | Virgin polypropylene |
| Tank inlet | Stainless steel with patented design |



| OPERATING LIMITS | | | |
|----------------------------|--------------------------------|------------------------|--------------------|
| | 24008P, 24018P, 24040P, 24060P | 24018HPH16, 24080PHP16 | 24100P |
| Maximum operating pressure | 1000 kPa (145 psi) | 1600 kPa (232 psi) | 1000 kPa (145 psi) |
| Maximum water temperature | 90°C / 194°F | | |
| Minimum water temperature | -10°C / 14°F | | |
| Tank air pre-charge | 190 kPa | 400 kPa | 140 kPa |

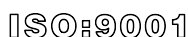
| HYDRAULIC PERFORMANCE – NOMINAL DRAW OFF IN LITRES | | | | | | | | | | | | | |
|--|------------------------|----------------------------|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|--------------------|---------------------|---------------------|---------------------|
| Model | Tank Capacity (litres) | Max. Pressure Rating (kPa) | Pressure Switch Range kPa (psi) | | | | | | | | | | |
| | | | 150-250 (22-36) | 150-300 (22-44) | 200-400 (29-58) | 250-400 (36-58) | 250-500 (36-73) | 300-600 (44-88) | 500-1000 (73-145) | 700-1200 (101-174) | 1000-1600 (145-232) | 1600-2000 (232-290) | 2000-2500 (290-363) |
| 24008P | 8 | 1000 | 2.2 | 3.0 | 3.2 | 2.4 | 3.3 | 3.4 | 3.5 | N/A | N/A | N/A | N/A |
| 24018P | 18 | 1000 | 5.0 | 6.7 | 7.2 | 5.4 | 7.4 | 7.6 | 8.0 | N/A | N/A | N/A | N/A |
| 24018PHP16 | 18 | 1600 | 3.0 | 6.8 | 7.2 | 5.4 | 7.5 | 7.7 | 8.2 | 6.9 | 6.4 | N/A | N/A |
| 24040P | 40 | 1000 | 10.7 | 14.1 | 15.2 | 11.5 | 16.0 | 16.5 | 17.7 | N/A | N/A | N/A | N/A |
| 24060P | 60 | 1000 | 16.1 | 21.2 | 22.8 | 17.2 | 23.9 | 24.8 | 26.6 | N/A | N/A | N/A | N/A |
| 24080PHP16 | 80 | 1600 | 21.5 | 28.2 | 30.4 | 23.0 | 31.9 | 28.7 | 35.5 | 30.2 | 27.9 | N/A | N/A |
| 24100P | 100 | 1000 | 28.6 | 37.5 | 40.0 | 30.0 | 41.7 | 42.9 | 45.5 | N/A | N/A | N/A | N/A |

| DIMENSIONS | | | | | | |
|------------|----------|--------|----------------|--------------|----------------------|--|
| Model | Diameter | Height | Mounting Type | Inlet B.S.P. | Shipping Weight (kg) | |
| 24008P | 203 | 317 | Pipe | 1”M | 2.6 | |
| 24018P | 279 | 368 | Pipe | 1”M | 4.3 | |
| 24018PHP16 | 279 | 367 | Pipe | 1”M | 4.8 | |
| 24040P | 388 | 419 | Pipe* | 1”M | 9.0 | |
| 24060P | 388 | 626 | Free standing* | 1”F | 12.5 | |
| 24080PHP16 | 388 | 790 | Free standing* | 1”F | 16.7 | |
| 24100P | 430 | 804 | Free standing* | 1”F | 19.1 | |

All dimensions in mm unless otherwise stated.

* Wall bracket mount available – P/No. BR390

* Free standing tanks have 90° SS elbow on inlet allowing horizontal inlet piping.



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