

SUPERCELL G TANKS

Model Numbers: SUPERCELL 24100G & 24170G

DEPEND ON
DAVEY

WATER PRODUCTS



PRESSURE TANKS

PRODUCT DESCRIPTION

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

APPLICATIONS

Supercell G 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

FEATURES & BENEFITS

Patented CAD2 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

Diaphragm and liner design dramatically reduces the opportunity for condensation inside the air chamber.

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 tank life
- Specific wear areas reinforced for longer life of internal parts

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 completely 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 and Gost quality standards
- Consistent product quality

OPERATING LIMITS

Maximum operating pressure
800kPa (116 psi)

Maximum water temperature
90°C

Minimum water temperature
1°C

Tank air pre-charge
160kPa

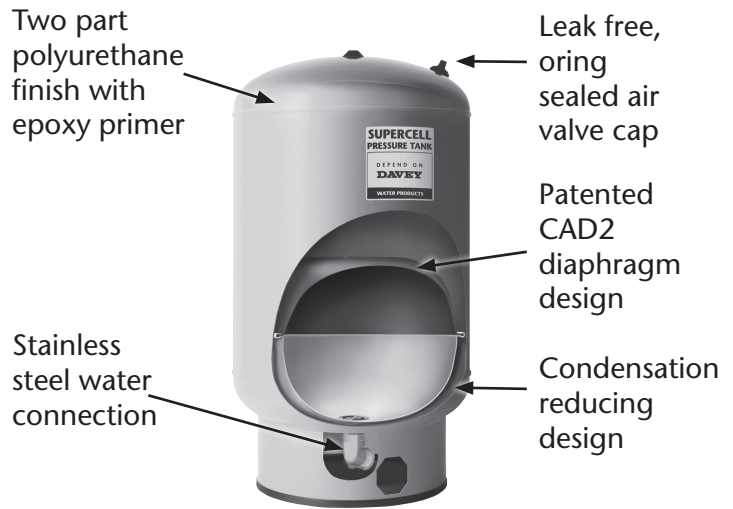


TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

| PART | MATERIAL |
|------------------|--|
| Tank shell | Steel |
| Tank finish | Epoxy primed with 2 part polyurethane finishseal |
| Diaphragm | Butyl rubber – FDA approval |
| Tank inner liner | Virgin copolymer polypropylene |
| Tank inlet | Stainless steel with patented design |

SECTIONAL VIEW



HYDRAULIC PERFORMANCE – NOMINAL DRAW OFF IN LITRES

| Tank 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) |
| Supercell 100G | 100 | 800 | 26.3 | 34.5 | 37.3 | 28.3 | 39.3 | 41.3 | N/A | N/A | N/A | N/A | N/A |
| Supercell 170G | 170 | 800 | 45.7 | 59.9 | 64.6 | 48.8 | 67.8 | 61.0 | N/A | N/A | N/A | N/A | N/A |

DIMENSIONS

| Tank Model | Diameter | Height | Inlet (Horizontal) | | | Mounting Type | Shipping Weight (kg) |
|----------------|----------|--------|---|-------------------|----------|---------------|----------------------|
| | | | Inlet centreline to bottom of tank base | Size (BSP female) | Position | | |
| Supercell 100G | 406 | 889 | 48 | 1" | Bottom | Free standing | 18.6 |
| Supercell 170G | 533 | 939 | 56 | 1 1/4" | Bottom | Free standing | 29.9 |

All dimensions in mm unless otherwise stated.

ISO:9001



This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.
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WATER PRODUCTS

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