

SUPERCELL C TANKS

Model Numbers:

SUPERCELL 8C, 18C, 35C, 50C & 105C
SUPERCELL HP105C

DEPEND ON
DAVEY

WATER PRODUCTS



PRESSURE TANKS

PRODUCT DESCRIPTION

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

APPLICATIONS

Supercell C 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

Captive diaphragm held firmly in a central position

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

Heavy duty butyl diaphragm meets EEC requirements for potable water applications

- Safe, non-toxic

Safe potable grade epoxy coating seals the water from the tank shell

- Longer life

Deep drawn steel shell with appliance like epoxy enamel finish

- Protected against rusting for long life

Every tank is individually tested

- Guarantee reliable operation

Compliance with the strict requirements of ISO 9000 quality standards

- Consistency of the product

OPERATING LIMITS

Maximum operating pressure

Supercell 8C, 18C, 35C, 50C & 105C
700kPa (100 psi)

Supercell HP105C

1050kPa (150 psi)

Maximum water temperature

70°C

Tank air pre-charge

Supercell 8C

130kPa

All other models

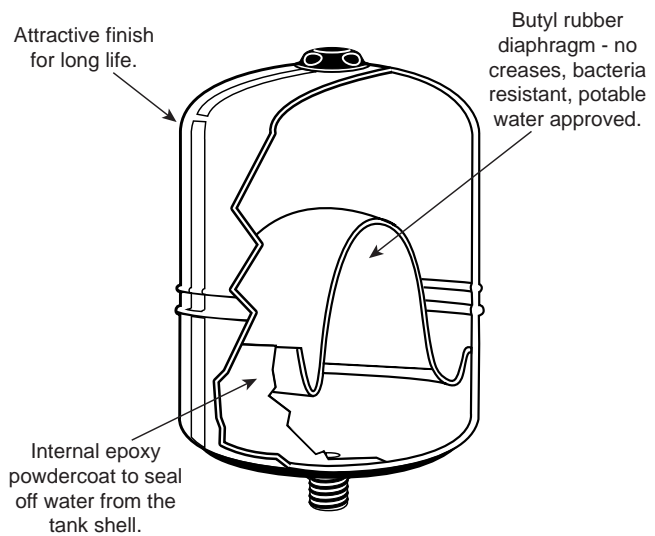
200kPa

TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

PART	MATERIAL
Tank shell	Steel
Tank finish	Epoxy powdercoat
Diaphragm	Butyl rubber
Tank inner coating	Potable grade epoxy powdercoat
Tank inlet	Steel with special inner lining

SECTIONAL VIEW



HYDRAULIC PERFORMANCE - NOMINAL DRAW OFF IN LITRES

Nominal draw off capacity in Litres

Tank model	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)
Supercell 8C	2.2	3.0	3.2	2.4	3.3	3.4	N/A
Supercell 18C	5.0	6.7	7.2	5.4	7.4	7.6	N/A
Supercell 35C	10.0	13.3	14.0	10.5	14.6	14.7	N/A
Supercell 50C	14.3	18.8	20.0	15.0	20.8	21.0	N/A
Supercell 105C	30.0	39.4	42.0	31.5	43.7	44.1	N/A
Supercell HP105C	30.0	39.4	42.0	31.5	43.7	44.1	47.7

Dimensions

Tank model	Diameter (mm)	Height (mm)	Inlet size	
			(BSP male)	Position
Supercell 8C	200	300	3/4"*	Bottom
Supercell 18C	274	360	1"	Bottom
Supercell 35C	380	400	1"	Bottom
Supercell 50C	380	570	1"	Side
Supercell 105C	500	680	1 1/4"	Side
Supercell HP105C	500	680	1 1/4"	Side

* 3/4" x 1" bush supplied with tank

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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