

SUPERCELL TANKS

Model Numbers:

SUPERCELL 50R (24050R)

SUPERCELL 100R (24100R)

SUPERCELL 24HP+ (24024HP+)

SUPERCELL 100HP+ (24100HP+)

DEPEND ON

DAVEY

WATER PRODUCTS



PRESSURE SYSTEMS

PRODUCT DESCRIPTION

Robust hydro-pneumatic water pressure vessels with replaceable diaphragms.

APPLICATIONS

Supercell 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

Replaceable diaphragm held firmly by a high quality stainless steel closing flange.

Heavy duty butyl diaphragm meets EEC requirements for potable water applications

- Safe, non-toxic

Deep drawn thick steel shell with appliance like epoxy enamel finish

- Protected against rusting for long life
- Allows high operating pressures

Every tank is individually tested

- Guarantee reliable operation

Compliance with the strict requirements of ISO 9001:2000 quality standards

- Consistency of the product

OPERATING LIMITS

Maximum operating pressure

HP+ Models 1600kPa (232 psi)
Standard Models 700kPa (100 psi)

Maximum water temperature

70oC

Tank air pre-charge

200kPa



TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

PART	MATERIAL
Tank shell	Steel
Tank finish	Epoxy powdercoat
Diaphragm	Butyl rubber
Tank closing flange & inlet	304 stainless steel

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)	300-500 (44-88)	500-1000 (73-145)	700-1200 (101-174)	1000-1600 (145-232)
Supercell 50R	14.3	18.8	20.0	15.0	20.8	21.0	–	–	–
Supercell 100R	26.3	34.5	37.3	28.3	39.3	41.3	–	–	–
Supercell 24HP+	6.3	8.3	9.0	6.8	9.4	10.3	10.5	9.1	8.4
Supercell 100RHP+	26.3	34.5	37.3	28.3	39.3	41.3	43.9	37.7	34.8

(Assuming tank pre-charge is 15kPa below cut-in pressure).

Dimensions

Tank model	Diameter (mm)	Height (mm)	Inlet size	
			(BSP male)	Position
Supercell 50R	380	570	1"	Bottom
Supercell 100R	500	680	1"	Bottom
Supercell 24HP+	270	485	1"	Bottom
Supercell 100RHP+	500	680	1"	Bottom

Optional mounting feet kit – to allow for hard fixing to rigid base or to provide a wider footprint in unstable installations an option mounting kit is available – P/No. 32577.

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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