

SUPERCELL P TANKS

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

DEPEND ON
DAVEY

WATER PRODUCTS



PRESSURE TANKS

PRODUCT DESCRIPTION

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

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

FEATURES & BENEFITS

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

OPERATING LIMITS

Maximum operating pressure

Supercell 24008P, 24018P, 24040P & 24060P

1000kPa (145 psi)

Supercell 24080PHP16

1600kPa (232 psi)

Maximum water temperature

90°C

Minimum water temperature

1°C

Tank air pre-charge

Supercell 24080PHP16

400kPa

All other models

200kPa

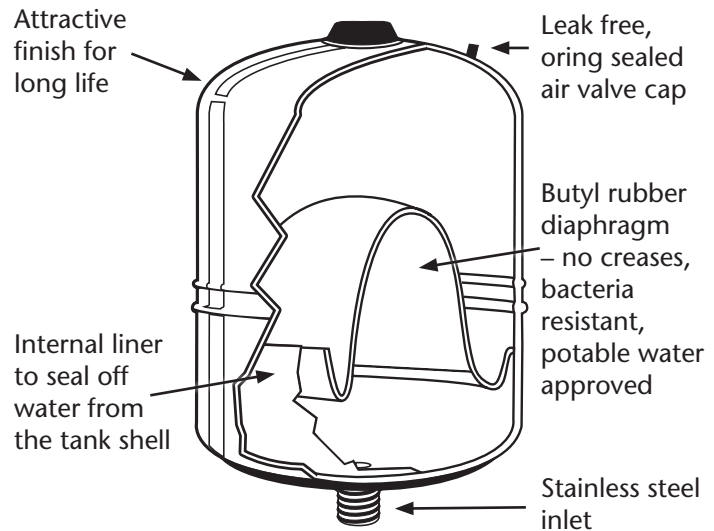


TECHNICAL SPECIFICATIONS

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

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 8P	8	1000	2.2	3.0	3.2	2.4	3.3	3.4	3.5	N/A	N/A	N/A	N/A
Supercell 18P	18	1000	5.0	6.7	7.2	5.4	7.4	7.6	8.0	N/A	N/A	N/A	N/A
Supercell 40P	40	1000	10.7	14.1	15.2	11.5	16.0	16.5	17.7	N/A	N/A	N/A	N/A
Supercell 60P	60	1000	16.1	21.2	22.8	17.2	23.9	24.8	26.6	N/A	N/A	N/A	N/A
Supercell 80PHP16	80	1600	21.5	28.2	30.4	23.0	31.9	28.7	35.5	30.2	27.9	N/A	N/A

DIMENSIONS

Tank Model	Diameter	Height	Mounting Type	Shipping Weight (kg)
Supercell 8P	203	317	Pipe	2.6
Supercell 18P	279	368	Pipe	4.3
Supercell 40P	388	419	Pipe*	9.0
Supercell 60P	388	626	Free standing*	12.5
Supercell 80PHP16	388	790	Free standing*	16.7

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.

ISO:9001



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