



Supercell P Pressure Tanks

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

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

WHY CHOOSE THE DAVEY SUPERCCELL 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.

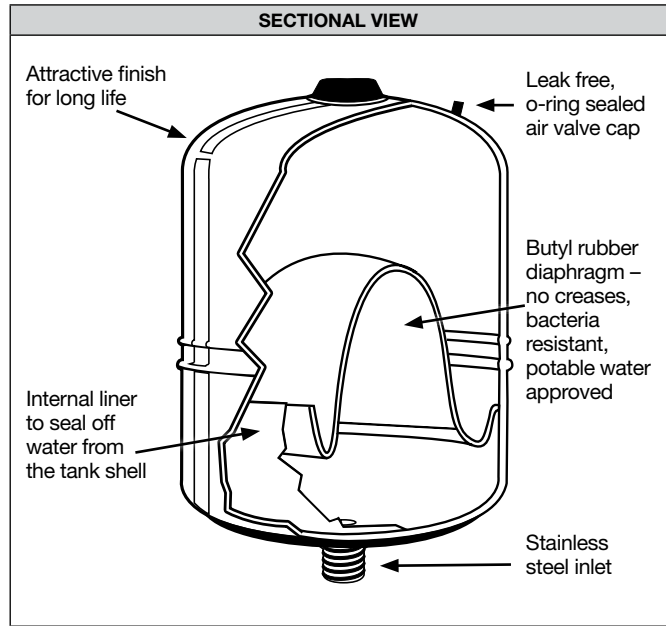
Every tank is individually tested:

- 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.

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	24080PHP16	24100P
Maximum operating pressure	1000 kPa (145 psi)	1600 kPa (232 psi)	1000 kPa (145 psi)
Maximum water temperature	90°C		
Minimum water temperature	1°C		
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)
24008P	8	1000	2.2	3.0	3.2	2.4	3.3	3.4	3.5	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
24040P	40	1000	10.7	14.1	15.2	11.5	16.0	16.5	17.7	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
24080PHP16	80	1600	21.5	28.2	30.4	23.0	31.9	28.7	35.5	30.2	27.9	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

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	
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.

ISO:9001



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This literature is not a complete guide to product usage. Further information is available from your Davey Dealer, Davey Support 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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