



Supercell F Pressure Tanks

Model Numbers:
24060F, 24080F, 24100F, 24130F, 24200F & 24250F

Robust hydro-pneumatic water pressure vessels of captive diaphragm design manufactured with composite corrosion proof materials.

APPLICATIONS

Supercell F 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

WHY CHOOSE THE DAVEY SUPERCCELL F TANKS?

All 'non-metal' wet internals, including inlet, makes Supercell F ideal for aggressive water and/or environments.

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.

Unique composite tank with smooth wear resistant polypropylene internal shell and strong, durable fibreglass outer shell:

- Long service life
- Ideal for aggressive water.

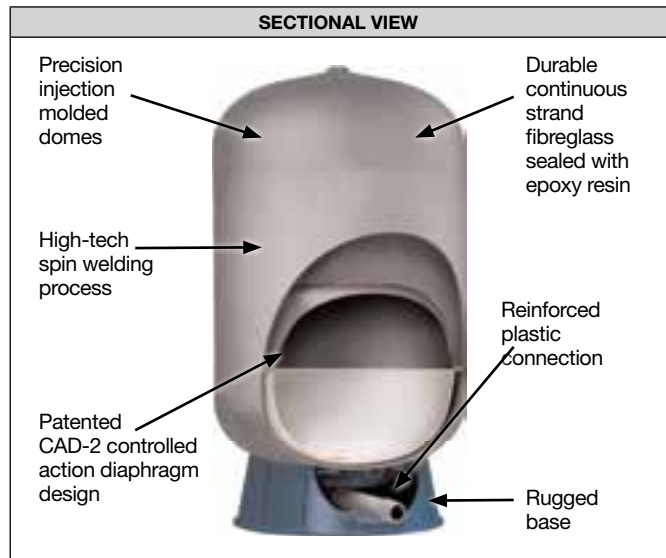
Every tank is individually tested:

- Guaranteed reliable operation

Compliance with the strict requirements of ISO 9001, NSF Standard 61, CE/PED, WRAS and Gost quality standards:

- Consistency of the product

MATERIALS OF CONSTRUCTION	
Part	Material
Tank shell - Inner	Polypropylene
Tank shell - Outer	Continuous strand fibreglass with epoxy seal
Diaphragm	Butyl rubber - FDA approval
Tank inner liner	Virgin copolymer polypropylene
Tank inlet	Reinforced plastic



OPERATING LIMITS	
Maximum operating pressure	860 kPa (125 psi)
Maximum water temperature	50°C
Minimum water temperature	1°C
Tank air pre-charge	160 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)
24060F	60	860	16.1	21.2	22.8	17.2	23.9	24.8	26.6
24080F	80	860	21.5	28.2	30.4	23.0	31.9	28.7	35.5
24100F	100	860	26.3	34.5	37.3	28.3	39.3	41.3	44.3
24130F	130	860	34.9	45.8	49.4	37.3	51.8	53.6	42.3
24200F	200	860	53.7	70.5	76.0	57.4	79.8	82.5	65.0
24250F	250	860	67.1	88.1	95.0	71.8	99.7	103.1	81.3

DIMENSIONS								
Model	Diameter	Height	Inlet (Horizontal)				Mounting Type	Shipping Weight (kg)
			End of inlet thread from centreline of tank	Inlet centreline to bottom of tank base	Size (B.S.P Male)	Position		
24060F	418	649	239	45	1"	Bottom	Free standing	8.6
24080F	418	852	239	45	1"	Bottom	Free standing	10.9
24100F	418	967	239	45	1"	Bottom	Free standing	12.7
24130F	418	1227	239	45	1"	Bottom	Free standing	15.2
24200F	542	1098	302	57	1 1/4"	Bottom	Free standing	21.3
24250F	542	1303	302	57	1 1/4"	Bottom	Free standing	26.3

All dimensions in mm unless otherwise stated.



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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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