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**DAVEY**

## APPLICATIONS

Supercell HP25 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 Supercell HP25 Tanks?

With a maximum pressure rating of 2500kPa, HP tanks are ideal for high pressure applications.

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.



## Supercell HP25 Pressure Tanks

Model Numbers: 24024HP25 & 24100HP25

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

MATERIALS OF CONSTRUCTION	
Part	Material
Tank shell	Steel
Tank finish	Epoxy primed with 2 part polyurethane enamel
Diaphragm	Butyl rubber - FDA approved
Tank inner liner	Virgin polypropylene
Tank inlet	Stainless steel with patented design

OPERATING LIMITS	
Maximum operating pressure	2500 kPa (363 psi)
Maximum water temperature	90°C
Minimum water temperature	-20°C
Tank air pre-charge	400 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)	2000-2500 (290-363)
24024HP25	24	2500	6.9	9.0	9.6	7.2	10.0	10.3	10.9	9.2	8.5	4.6	4.6
24100HP25	100	2500	28.6	37.5	40.0	30.0	41.7	42.9	45.5	38.5	35.3	19.0	19.2

DIMENSIONS					
Model	Diameter	Height	Mounting Type	Inlet B.S.P.	Shipping Weight (kg)
24024HP25	293	447	Pipe	1”M	8.8
24100HP25	435	823	Free standing	1”M	18.9

All dimensions in mm unless otherwise stated.

ISO:9001