

Supercell P



ROBUST HYDRO-PNEUMATIC WATER PRESSURE TANKS

APPLICATION

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 and 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 lives

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

Pressure Tanks

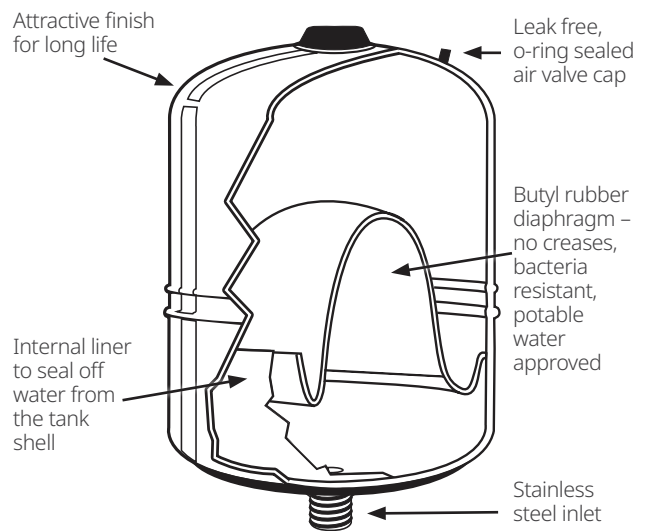
MATERIALS OF CONSTRUCTION

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

Model	24008P, 24018P, 24040P, 24060P	24018HPH16, 24080PHP16	24100P
Maximum operating pressure	1000 kPa (145 psi)	1600 kPa (232 psi)	1000 kPa (145 psi)
Maximum water temperature	90°C / 194°F		
Minimum water temperature	-10°C / 14°F		
Tank air pre-charge	190 kPa	400 kPa	140 kPa

SECTIONAL VIEW



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)
24008P	8	1000	2.2	3.0	3.2	2.4	3.3	3.4	3.5	N/A	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	N/A
24018PHP16	18	1600	3.0	6.8	7.2	5.4	7.5	7.7	8.2	6.9	6.4	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	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	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	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	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
24018PHP16	279	367	Pipe	1" M	4.8
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

