

PST SERIES - PRESSURE STORAGE TANKS

THE CONCEPT

A pneumatic pressure charge, matched to the pump cut on pressure prevents waterlogging by separating the air charge from system water pressure with a rubber bladder. The result is smooth pressure delivery, even temperature mix in showers, and reduced pump cycling. Tanks may be mounted in any position, and anywhere in the cold water plumbing after the pump. PST tanks may be used for fresh or salt water. Mount hardware is included. PST-6 has a pump stand for mounting PJR, WSC-60 or WSC-80 pump.

MODEL	DIAMETER	LENGTH	MOUNTING	PLUMBING	DRAWDOWN*	MAX PSI
PST-1	8.0"	12.63"	Straps	3/4" NPT	0.5 gallon	100
PST-2	11.0"	14.00"	Straps	3/4" NPT	1.4 gallons	100
PST-3A	15.4"	19.25"	Stand	3/4" NPT	3.0 gallons	100
PST-4	15.4"	24.00"	Stand	3/4" NPT	4.4 gallons	100
PST-5	15.4"	31.63"	Stand	3/4" NPT	6.3 gallons	100
PST-6	10.0"	17.10"	Stand	3/4" NPT	1.6 gallons	100

PST-1 AND PST-2



PST-3A, PST-4 AND PST-5

*Drawdown is measured with 20 PSI air charge and with 40 PSI system water pressure.

NOFLO™ DRY-TANK PROTECTION FOR PUMPS U.S. PATENT NO. 654,752,982



HOW IT WORKS

The conductivity of water is utilized to recognize the presence or absence of water. The control translates the information received from the NOFLO™ sensor, and either permits the pump to run, or disables it.

In the event of a shutdown, pump operation is not automatically re-started, but may be resumed only after the cause for the interruption of flow has been resolved, and the control reset by briefly interrupting power at the breaker panel.

The NOFLO™ control module operates on any DC input from 12V to 32V, and has an internal relay that will provide power to a DC pump motor (20 amps max@12VDC). AC pumps require an additional relay or solenoid.

NOFLO™ may be used with or without external pump control (pressure switch or on-off switch).

Maximum water temperature is 240° F.

THE CONCEPT

Most pumps depend on the water being pumped for seal lubrication and impeller protection, and pressure pumps are controlled by a pressure switch that relies on the presence of water to deliver flow and pressure. When an interruption to the supply of water occurs, none of these functions work as intended, and if left undetected the pump is likely to run continuously, resulting in drained batteries, pump damage, or both.

Standard equipment on PARAGON™ Junior, PARAGON™ Senior and PARALLELAGON™ pumps, NOFLO™ is a patented system designed to recognize an interruption to the flow of water to your pump of greater than 30-seconds duration, and to safely shut off the pump. There are no moving parts or probes into the water path, and NOFLO™ works with any pump type (centrifugal, vane, rotary, etc.), or any pump material (bronze, stainless steel, plastic, etc.).

Model	Plumbing NPT	On-Off Control
NOFLO-7500	3/4"	Any NC Pressure Switch or Toggle Switch
NOFLO-1000	1"	Any NC Pressure Switch or Toggle Switch

