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[Home](#) / [Pumps](#) / [Little Giant Pumps](#) / [Inline Constant Water Pressure Systems](#)

Inline Constant Water Pressure Systems

by Little Giant / Franklin Electric

Tired of waiting for that load of clothes in the washer to finish or the sprinklers to turn off before you can take a shower? These constant water pressure systems are the solution to your low water pressure problem! Increasing the flow when demand requires it can make completing everyday projects less taxing, and ease the stresses associated with lack of water pressure.

SubDrive Inline Constant Water Pressure System

Traditional municipal systems use city water lines to deliver water to your home. Water pressure may vary for homes due to a number of factors. Some of the more common causes of low water pressure are: old infrastructure, being located a long distance from the main water line or even being at the top of a hill. Fluctuating water pressure and flow can disrupt your daily life and make simple chores around the house difficult. These inline constant water pressure systems are installed on your main water line and connect to a pressure tank that feeds your whole house. As water demand picks up, the pump in the inline unit will pump faster keeping the pressure from dropping due to the increased water demand. These systems are a must have for anyone with inconsistent or low water pressure.

This compact water pressure system features:

- Great for water storage/cistern systems, homes in private and municipal applications, general pressure boosting, sprinkler systems, farms, and commercial wash down systems
- Stainless steel construction - made for years of operation - compliant with Federal Safe Drinking Water Act standards
- Small and compact design of the pump fits into small areas, even between floor joists
- Can be mounted in any orientation for greater flexibility of installation
- Quiet and cool operation - integrated motor design allows



[constant water pressure system - Inline](#)
[#25GIL1100N4](#)

[View detailed dimensions](#)

water to flow around it

- Increases incoming pressure by up to 60 PSI
- Wide range of pressure adjustment settings; 25-80 PSI
- Factory pressure setting 50 PSI
- Maximum operating temperature: 104° F.
- Operates on a wide range of flows from flooded suction to 35 GPM
- NEMA 4 electronics enclosure (liquid tight conduit and fittings must be used to maintain NEMA 4 rating)
- 1.2 hp power, single phase, 230V, 12 amps maximum operating current
- 1-1/4" female NPT outlet and inlets
- Built-in sensor helps protect these systems from many common failures including: low water shut off, surge protection, voltage underload, locked pump, open circuit, short circuit, or an overheated controller

[View pump performance curve](#)

[View a typical installation diagram](#)

Please Note: This Inline Constant Pressure System requires a small pressure tank be installed on the pump outlet to maintain proper constant pressure. The pressure tank prevents water hammer and helps to prevent pressure spikes during sudden changes in water demands on the system. The pressure tank also provides water while the pump builds up speed and when only a small amount of water is needed for a short period of time. Pressure tanks are sold separately. **Not sure what size you'll need?** [Learn more](#)

Description
SubDrive Inline 25LGIL1100N4 Constant Water Pressure System
2.1 Gallon Pressure Tank #A101 for up to 12 <u>gpm</u> flow rate (factory pre-charge 35 psi) 8" diameter x 12-1/2" height - 3/4" MIPT inlet
4.75 Gallon Pressure Tank #A102 for over 12 <u>gpm</u> flow rate (factory pre-charge 35 psi) 11" diameter x 15" height - 3/4" MIPT inlet
Replacement Pressure Switch #305707906
Optional Overpressure Switch (prevents over-pressurized system - not required for normal operation)
Adjustable Pressure Relief Valve - 3/4" inlet & outlet, brass construction (50-175 PSI)

TYPICAL INSTALLATION

