

F93 Series Air Volume Controls for Deep Wells

Description

The F93 Series Air Volume Controls for Deep Wells control the amount of air in residential water storage tanks. Water storage tanks in residential water systems rely on a volume of air in the tank to provide system pressure, making it important to control the amount of air in the tank.

Too little air in the tank results in rapid pump cycling - a problem common in shallow well systems (less than 25 ft [7.6 m] deep). Too much air in the tank results in air entering the distribution system - a problem common in deep well systems (more than 25 ft [7.6 m] deep).

The F93 Series Air Volume Control for Deep Wells allows air to escape from the tank and into the surrounding room when the water level in the tank drops (increase of air volume).

Features

- Sturdy Noryl (High Performance Thermoplastic) Body
- Brass Internal Operating Parts
- Pressure Tested Plastic Float
- Optional Pressure Gauge Tapping

Ordering Information

To order, specify the complete Product Code Number.

F93 Series Air Volume Control for Deep Wells Selection Chart

Product Code Number	Well Type ¹	Tank Air Pressure	1/4 in. Gauge Tap
F93B-1C	Deep	Decreases	Yes
F93H-1C			Yes ²

1. Deep wells are more than 25 ft (7.6 m) deep.
2. 25 psig (172 kPa) minimum pressure required to allow air release. Use this model where water may be rapidly drawn from the system.



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Repairs and Replacement

Do not make field repairs. Repair parts are not available. If an F93 Series Air Volume Control for Deep Wells malfunctions, replace the control. Contact your nearest Johnson Controls/PENN® distributor or sales representative to purchase a replacement.

Technical Specifications

F93 Series Air Volume Control for Deep Wells

Body Material	30% glass-filled Noryl thermoplastic
Float Material	Plastic with brass rod
Maximum Tank Pressure	100 psig (690 kPa)
Shipping Weight	Individual: 0.25 lb (0.11 kg) Bulk pack (30): 30.9 lb (4.08 kg)
Tank Connector Size	1-1/4 in. Male NPT