

## F92 Series Air Volume Controls for Shallow Wells

### Description

The F92 Series Air Volume Controls for Shallow Wells control the amount of air in the residential water storage tanks of shallow well water systems. Shallow wells are less than 25 ft. (7.6 m) deep.

F92 Series Controls automatically maintain air volume in the storage tanks of shallow well water systems by allowing room air to enter into the air charging section of the pump when the water level in the tank rises (loss of air volume).

F92 Controls open the air valve on a rise in tank water level to permit charging air into the storage tank with pressures up to 80 psig (552 kPa).

Refer to the *F92 Series Air Volume Controls for Shallow Wells Product Bulletin (Part No. 24-7664-2993)* for important product application information.

### Features

- sturdy Noryl (high performance thermoplastic) body resists mechanical damage and corrosion.
- brass internal operating parts minimize corrosion.
- pressure tested plastic float provides long operating life.
- optional pressure gauge tapping allows mounting of a pressure gauge.



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### Application

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).

### Repair Information

If the F92 Series Air Volume Controls for Shallow Wells fails to operate within its specifications, replace the unit. For a replacement F92 Series control, contact the nearest Johnson Controls® representative.

### Selection Chart

Product Code Number	Description
F92A-4C	Air Volume Control for Shallow Wells, opens on pressure rise, barbed fitting on charger valve
F92B-1C	Air Volume Control for Shallow Wells, opens on pressure rise, 1/4-18 PTF SAE short gage tap, 0.016 in. (0.5 mm) valve orifice. Use this model in applications where excessive airflow may reduce water pumping capacity.
F92B-2C	Air Volume Control for Shallow Wells, opens on pressure rise, 1/4-18 PTF SAE short gage tap

### Technical Specifications

F92 Series Air Volume Control for Shallow Wells	
Body Material	30% glass-filled Noryl thermoplastic
Float Material	Plastic with brass rod
Maximum Tank Pressure	80 psig (552 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. external NPT
Air Flow Restrictor Orifice	F92B-1C Model: 0.016 in. (0.5 mm)
Snifter Line Connection	Flare fitting for 3/16 in. (5 mm) tubing