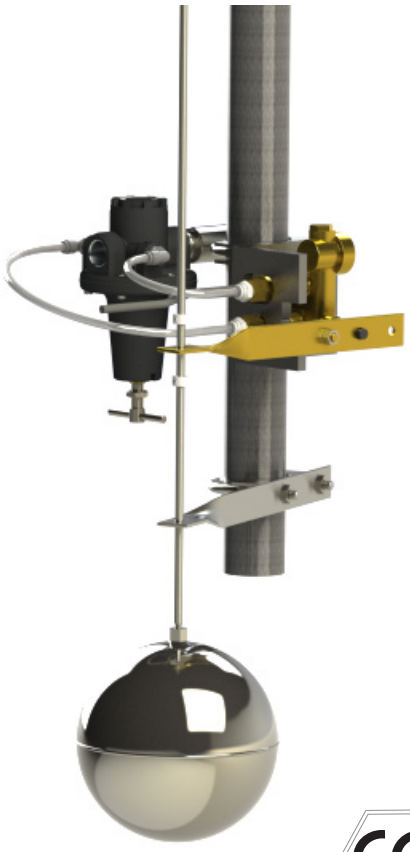
Liquid Level Control

AIR OPERATED DOUBLE DIAPHRAGM PUMP ACCESSORY

The FTI Air Liquid Level Control is a pneumatic/mechanical device that will automatically turn a pump on and off as the liquid level changes.



Specifications

- Completely pneumatic/mechanical operation.
- Automatic operation after initial set up.
- Float level controls on/off of air supply to pump.
- Easy set up for either high level on/low level off or low level on/high level off.
- Out of the box capable to control liquid level operating range from a couple inches to 6 feet. Additional guide rods available to extend range to 10 feet.
- Air flow through valve up to 125 CFM.
- Max inlet air pressure 120 PSI (8.3 BAR). Observe pump limits if unregulated air goes from level control to pump.
- Recommended minimum 20 PSI (1.4 BAR) inlet air to unit.
- Device air outlet must connect to pump or device that creates at least 5 PSI (0.4 BAR) back pressure for unit to operate properly.
- All 316 stainless steel or polypropylene wetted parts.
- Mounts to standard 1-1/2" pipe.

Advantages

- More reliable valve actuator – uses ball detent that moves over a wave shape versus a cone that moves into two drill points.
- Guide rod uses stainless steel rods with male/female threads. Eliminates connector collars allowing liquid level travel to be from a couple inches to 6 feet (5 cm to 183 cm) versus competitor's liquid level travel limited to 3 feet (91 cm).
- Pipe and mounting bracket are stainless steel versus plated steel.

WITH POLYPROPYLENE FLOAT

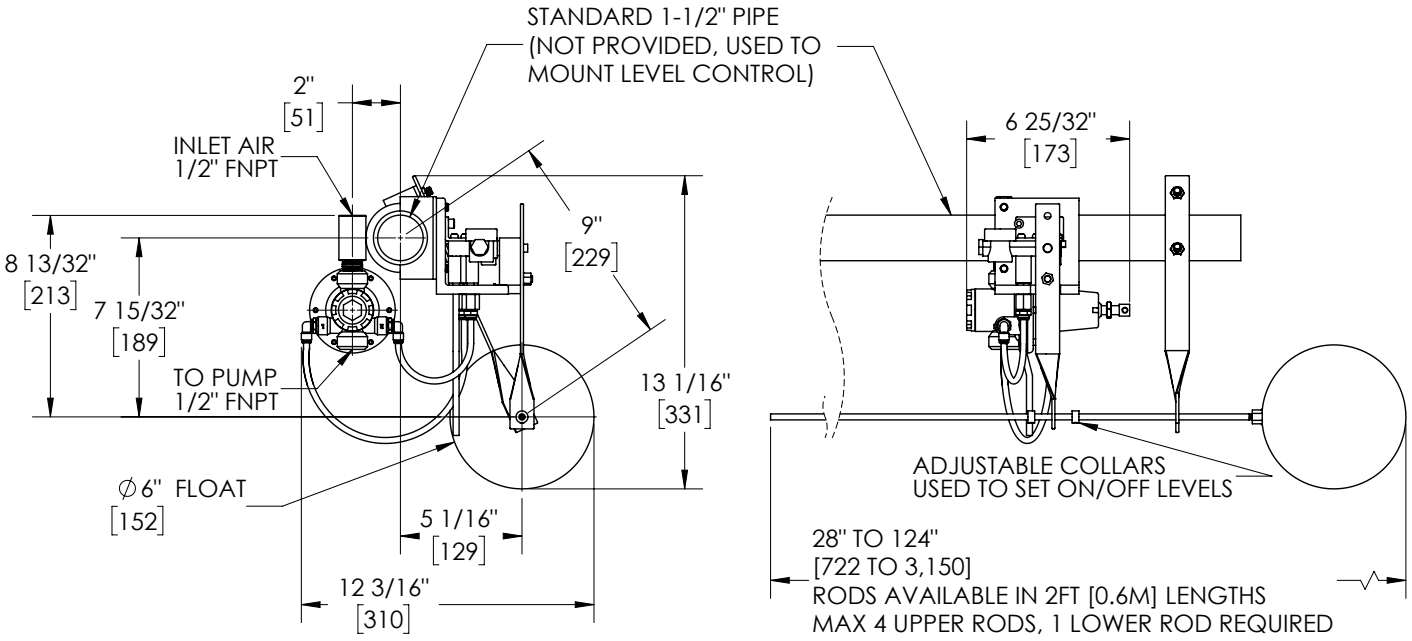
WITH 316 STAINLESS STEEL FLOAT

CHANGE IS IN THE AIR

Operation

- A stainless steel or polypropylene float ball is connected to a guide rod. The guide rod passes through a hole in the control valve's level arm.
- The guide rod has two shaft collars to be set at desired locations for on/off levels. One is set above the level arm and the other below.
- When the float ball rises or fall's the shaft collar switches the position of the control valve which turns the air supply to the pump on or off.

Dimensions



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5 YEAR WARRANTY

USA Designed, Engineered & Assembled