

Maintenance & Operating Instructions

For Dixon Bayco

FT100S SERIES API Compatible SST "5 wire" Replacement Optic Probe
FT191S 3" NPSM SST Probe Holder

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The Right Connection®

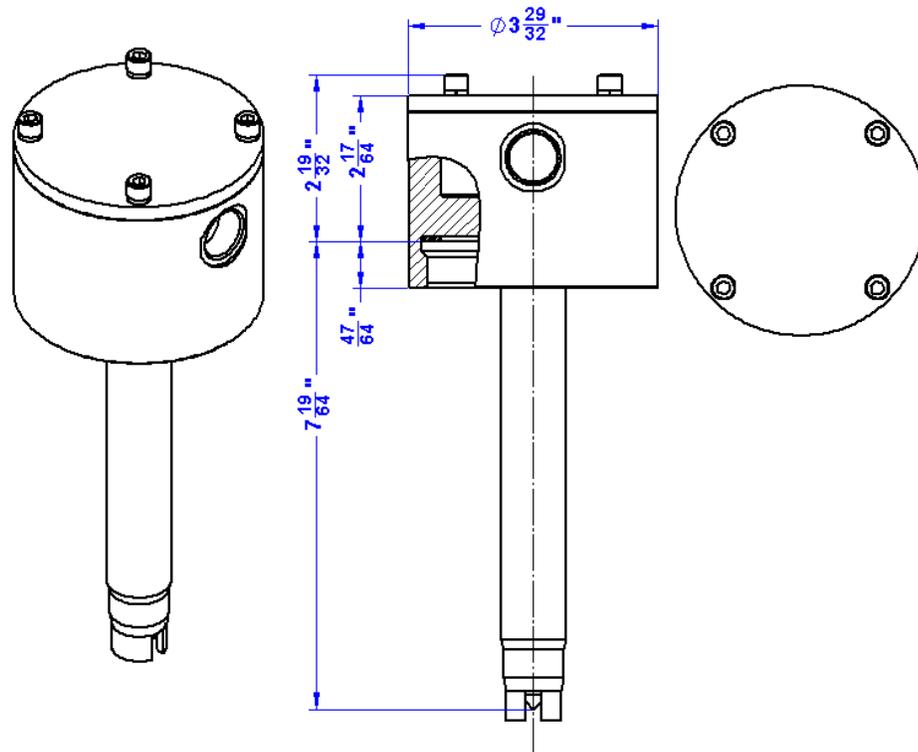
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INSTALLATION INSTRUCTIONS:

FloTech model FT191S can be mounted on a 3" NPT male pipe nipple. After the sensor is mounted remove the lid.

To adjust sensor length, use $\frac{3}{4}$ " NPT pipe nipples cut and threaded to desired length. Use Teflon pipe dope or pink Teflon tape to seal the threads.

IMPORTANT: The actual sensing point adjustment should be determined by the total response time required to prevent a tank overflow condition. The FloTech sensor reaction time is one half second. The loading rack will also have a reaction time.



WIRING INSTRUCTIONS:

It is highly recommended to use FloTech FT400 jacketed 5-conductor cable when wiring a new system. FloTech cable is designed to be oil, UV, and abrasion resistant. We incorporate a noble tin plated stranded copper wire, which resist corrosion. These features will provide years of reliable service. Do not use after-market cable if bare copper wire (reddish tint) is visible when the wire insulation is stripped,

After all sensors are mounted in each compartment, align the conduit openings so they face the roll over rail. Thread in cable glands and pull a length of cable through the conduit openings between each sensor. Cut to length leaving approximately 8 inches extra length exiting the top of each probe holder.

All sensor wires must enter or leave the probe holder through one of the 1/2NPT openings. Use FloTech FT402 ½ NPT cable glands to ensure a water tight seal. Unused conduit openings must have a ½ NPT pipe plug installed. Use pipe dope on all ½ NPT threads to ensure a water tight seal.

Wire the sensor according to diagram F1 below. Double check your wiring connection when complete. NOTE: It is highly recommended to use a small amount of Silicone RTV sealant in each crimp connection. Fill the FloTech butt end crimps with Silicone RTV sealant prior to inserting the wires then crimp. This will provide a watertight and vibration resistant connection that will last for years. **Do not use twist on connections "wire nuts"!**

When wiring is complete, replace the sensor lid and o-ring. CAUTION: Do not pinch a sensor wire when installing the lid.

