

S-AOE Selection Guide

FEATURES:

- Designed for Deep Burial Tanks
- Accurate and Reliable Level Control
- Custom Sensor Configuration for Unique Applications
- Fitting, Stem and Float available in Stainless Steel
- Rugged Cast Iron NEMA 4 Fitting Housing
- 50 Watt Switch Contacts at 120/240 VAC
- Field Adjustable Burial Depth

APPLICATIONS:

S-AOE's are designed to be installed in 2" Riser Pipe. They can be ordered with standard floats with a specific gravity of 0.6 and Interface floats with a specific gravity of 0.95. The standard float will float on most all liquids, The Interface float, however, with a specific gravity of 0.95 will float on water but sink in oil.

When used in a potentially explosive application, the S-AOE must be interfaced with an intrinsically safe level control. The float stem and 2" NPT fitting can be ordered in a brass or stainless steel. The floats on the S-AOE are stainless steel as standard.

OPERATION:

The Float switch contains small magnets, as the float rises and falls in the liquid, the magnets cause SPST dry reed switch potted in the stem assembly to open or close depending on the orientation of the float switch. Float activation can be ordered in a normally open or a normally closed configuration.

INSTALLATION INSTRUCTIONS:

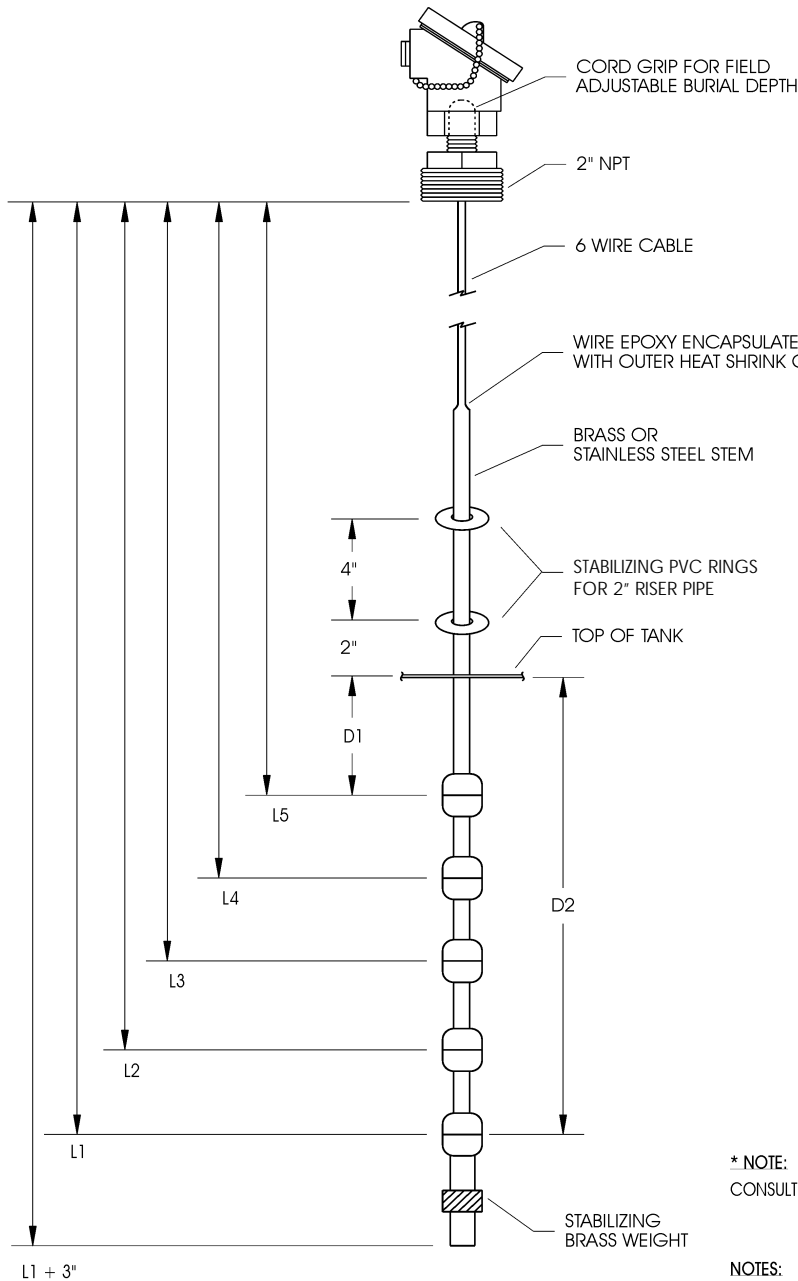
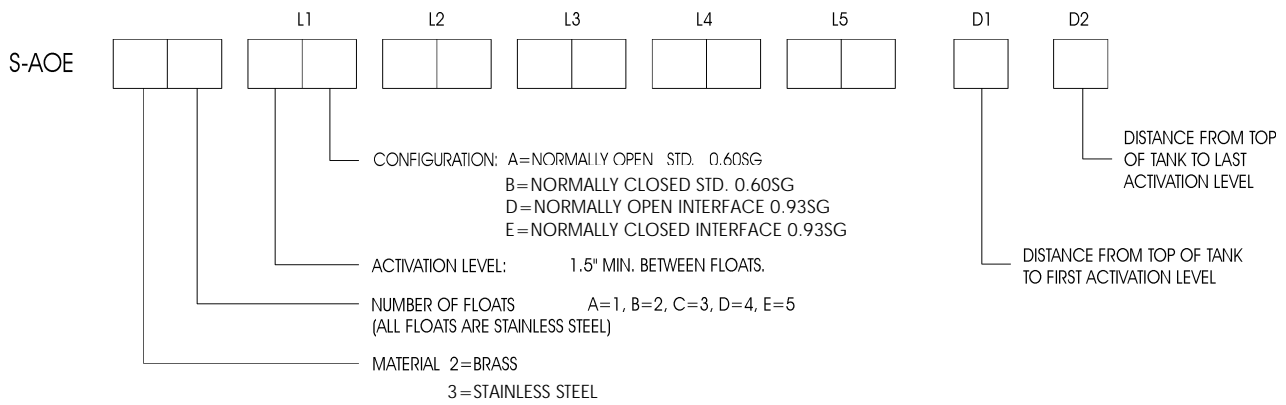
The S-AOE conduit head has a 3/4" NPT connection with a 1/2" NPT conduit adapter, for ease of electrical connection. When wiring to the Float switch wires, AWG 14 -16 Type MTW or THHN wire. Intrinsically safe wire must be used in "Hazardous Locations" applications and connected to intrinsically safe level controls. Consult NEC article 500 through 516 for additional guidance on Hazardous Locations. All splices, conduit and wiring conduit runs to the S-AOE, should be connected in such a way as to prevent moisture from entering the S-AOE conduit head. Water inside the conduit head could result in system failure. Liquid tight conduit is recommended.



(866) 697-TANK / (866) 697-8265


Kleerwater

Form S-AOE-100
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SPECIFICATIONS:

HOUSING:	CAST IRON NEMA 4
FITTING:	BRASS OR STAINLESS STEEL
THREAD SIZE : *	2" - 11 1/2 NPT
FLOAT SIZE:	1" WIDE, 1/2" HIGH
CONTACT RATING:	50 WATT 120/240 VAC
STEM SIZE:	5/16"
SPECIFIC GRAVITY:	0.60 STANDARD 0.93 INTERFACE

WIRE COLOR CODE FOR 1 OR 2 FLOATS:

TOP LEVEL	= GREEN & WHITE
BOTTOM LEVEL	= BLACK & RED

WIRE COLOR CODE FOR 3 OR MORE FLOATS:

COMMON	= WHITE
L1	= RED
L2	= GREEN
L3	= BLUE
L4	= BROWN
L5	= BLACK

* NOTE:

CONSULT FACTORY FOR OPTIONAL MOUNTING APPLICATIONS

NOTES:

- 1) CONTACT FACTORY FOR SHIPPING AND CRATE ADDER.
- 2) ACTIVATION LEVEL TOLERANCE +/- .125"
- 3) OVERALL LENGTH OF STEM IS L1 ACTIVATION POINT + 3"

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