



## SERIES L6 | W.E. ANDERSON FLOTECT® LIQUID LEVEL SWITCHES



Model L6 with external float chamber



Model L6 with spherical float



Model L6 with cylindrical float

### FEATURES/BENEFITS

- Compact design is built for years of trouble-free service
- Simple and dependable operation with no mechanical linkage
- Float lever pivoted within the body moves when the process liquid displaces the float and magnet on the opposite end of the float lever controls a second magnet on the switch actuating lever located in the switch housing
- Leak proof lower body machined from bar stock
- Side wall or direct tee mounting options available to act as an external float chamber
- Weatherproof and explosion-proof body for demanding outdoor applications
- Electrical assembly can be easily replaced without removing the unit from the installation so that the process does not have to be shut down
- Sensitive to level changes of less than 1/2" (12 mm)

### APPLICATIONS

- Direct pump control for maintaining level
- Automatic tank dump operations
- Level control
- Valve control
- Level alarm in sumps, scrubber systems, hydro-pneumatic tanks, boilers, and water/wastewater treatment processes

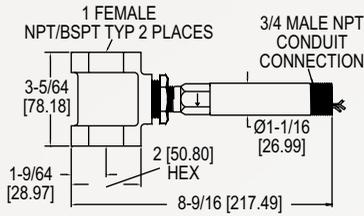
### DESCRIPTION

The **Series L6 FloTECT® Liquid Level Switches** are rugged and reliable float switch which operates automatically to indicate tank level. It is offered with a 303 SS or brass body with spherical or cylindrical float options.

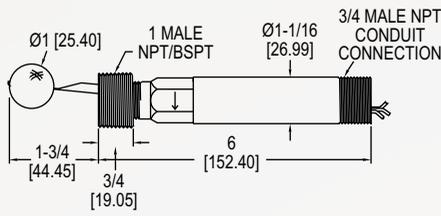
### SPECIFICATIONS

<b>Service</b>	Liquids compatible with wetted materials.
<b>Wetted Materials</b>	Float: Solid polypropylene or 304 SS; Lower body: Brass or 303 SS; Magnet: Ceramic; External float chamber (Tee): Matches lower body choice of brass or 303 SS; Other: Lever arm, spring, pin, etc.: 301 SS.
<b>Temperature Limit</b>	-4 to 220°F (-20 to 105°C) standard, MT high temperature option 400°F (205°C)(MT not UL, CSA, ATEX, IECEx and KC). ATEX compliant AT, IECEx IEC and KC option ambient temperature -4 to 167°F (-20 to 75°C) process temperature: -4 to 220°F (-20 to 105°C).
<b>Pressure Limits</b>	See model chart.
<b>Enclosure Rating</b>	Weatherproof and Explosion-proof. Listed with UL and CSA for Class I, Groups A, B, C and D; Class II, Groups E, F, and G. (Group A on stainless steel body models only). ATEX C (E) 2813 II 2 G Ex db IIC T6 Gb Process Temp≤75°C. EU-Type Certificate No.: KEMA 04ATEX2128. ATEX Standards: EN 60079-0:2012+A11:2013; EN 60079-1:2014. IECEx Certified: For Ex db IIC T6 Gb Process Temp≤ 75°C. IECEx Certificate of Conformity: IECEx DEK II.0039. IECEx Standards: IEC 60079-0:2011; IEC 60079-1: 2014. Korean Certified (KC) for Ex d IIC T6 Gb Process Temp≤75°C. KTL Certificate Number: 12-KB4BO-0091.
<b>Switch Type</b>	SPDT snap switch standard, DPDT snap switch optional.
<b>Electrical Rating</b>	UL models: 5 A @ 125/250 VAC (V~). CSA, ATEX and IECEx models: 5 A @ 125/250 VAC (V~); 5 A res., 3 A ind. @ 30 VDC (V ---). MV option: .1 A @ 125 VAC (V~). MT option: 5 A @125/250 VAC (V~). [MT option not UL, CSA, ATEX or IECEx].
<b>Electrical Connections</b>	UL models: 18 AWG, 18" (460 mm) long. ATEX/CSA/IECEx models: terminal block.
<b>Upper Body</b>	Brass or 303 SS.
<b>Conduit Connection</b>	3/4" male NPT standard, 3/4" female NPT or M25 with BSPT option on junction box models.
<b>Process Connection</b>	1" male NPT or 1" male BSPT on models without external float chamber, 1" female NPT or 1" female BSPT on models with external float chamber.
<b>Mounting Orientation</b>	Horizontal with index arrow pointing down.
<b>Specific Gravity</b>	See chart.
<b>Weight</b>	Approximately 1 lb (.5 kg) without external float chamber, 1.75 lb (.8 kg) with external float chamber.
<b>Agency Approvals</b>	ATEX, CE, CSA, IECEx, KTL, UL.

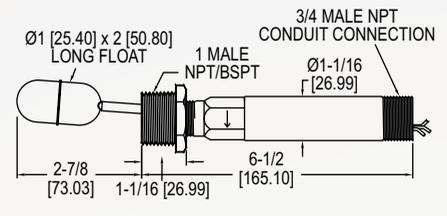
## DIMENSIONS



Model L6 with external float chamber



Model L6 with spherical float



Model L6 with cylindrical float

## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

	<b>L6</b>	<b>EP</b>	<b>B-B</b>	<b>-S</b>	<b>-3</b>	<b>-O</b>	<b>-MV</b>
<p><b>SERIES</b> L6: Flotect® liquid level switches</p> <p><b>CONSTRUCTION</b> EP: Explosion-proof</p> <p><b>BODY</b> B-B: Brass S-S: SS</p> <p><b>FLOAT MATERIAL</b> -S: SPDT -D: DPDT</p> <p><b>PROCESS CONNECTION</b> -3: NPT -4: BSPT process connection and M25 conduit connection on units with junction box</p>						<p><b>OPTIONS</b></p> <p>-MV: Gold plated contacts for dry circuits (see electrical rating in specifications)</p> <p>-MT: High temperature rated 400°F (204°C) (see electrical rating in specifications, no listings or approvals, only available on models with SS floats)</p> <p>-CSA: CSA and UL approved construction, includes weatherproof and explosion-proof junction box</p> <p>-AT: ATEX compliant construction includes, weatherproof and explosion-proof, junction box</p> <p>-IEC: IECEx certified construction, weatherproof and explosion-proof, junction box</p> <p><b>FLOAT TYPE AND INSTALLATION</b></p> <p>-O: Polypropylene, spherical, side wall mount</p> <p>-A: 304 SS, cylindrical, side wall mount</p> <p>-B: Polypropylene, spherical, brass external float chamber</p> <p>-C: 304 SS, spherical, side wall mount</p> <p>-H: 304 SS, spherical, brass external float chamber</p> <p>-L: 304 SS, spherical, 304 SS external float chamber</p> <p>-S: Polypropylene, spherical, 304 SS external float chamber</p>	

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