

SERIES L6 | W.E. ANDERSON FLOTECT® LIQUID LEVEL SWITCH

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® Float Switches is a 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

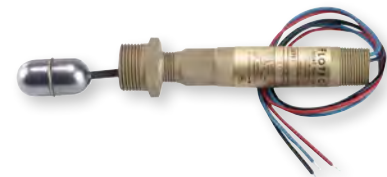
Service	Liquids compatible with wetted materials.
Wetted Materials	Float: Solid polypropylene or 304 SS; Lower Body: Brass or 303 SS; Magnet: Ceramic; External Float Chamber (Tee): Matches lower body choice of brass or 303 SS; Other: Lever Arm, Spring, Pin, etc.: 301 SS.
Temperature Limit	-4 to 220 °F (-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).
Pressure Limits	See model chart.
Enclosure Rating	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 CE 0344 Ex II 2 G Ex d IIC T6 Gb Process Temp≤75 °C. EC-Type Certificate No.: KEMA 04ATEX2128. ATEX Standards: EN 60079-0: 2009; EN60079-1: 2007. IECEx Certified: For Ex d IIC T6 Gb Process Temp≤ 75 °C. IECEx Certificate of Conformity: IECEx DEK II.0039. IECEx Standards: IEC 60079-00: 2007; IEC 60079-1: 2007. Korean Certified (KC) for Ex d IIC T6 Gb Process Temp≤75 °C. KTL Certificate Number: 2012-2454-75.
Switch Type	SPDT snap switch standard, DPDT snap switch optional.
Electrical Rating	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].
Electrical Connections	UL models: 18 AWG, 18" (460 mm) long. ATEX/CSA/IECEx models: terminal block.
Upper Body	Brass or 303 SS.
Conduit Connection	3/4" male NPT standard, 3/4" female NPT or M25 with BSPT option on junction box models.
Process Connection	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.
Mounting Orientation	Horizontal with index arrow pointing down.
Specific Gravity	See chart.
Weight	Approximately 1 lb (.5 kg) without external float chamber, 1.75 lb (.8 kg) with external float chamber.
Agency Approvals	ATEX, CE, CSA, IECEx, KTL, UL.



Model L6 with External Float Chamber



Model L6 with Spherical Float



Model L6 with Cylindrical Float



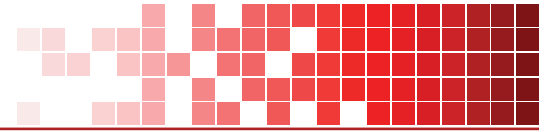
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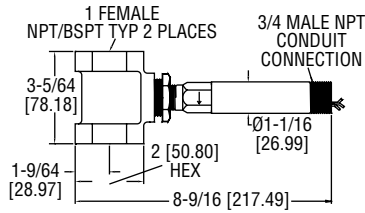
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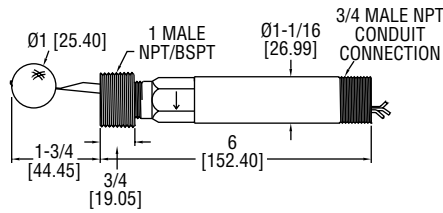
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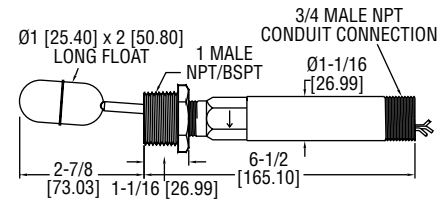
DIMENSIONS



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.

	L6	EP	B-B	-S	-3	-0	
SERIES							OPTIONS
L6 - FLOTECT® Mini-size flow switches							- MV - Gold plated contacts for dry circuits (see electrical rating in specifications)
CONSTRUCTION							- MT - High temperature rated 400 °F (204 °C) (see electrical rating in specifications, no listings or approvals, only available on models with stainless steel floats)
EP - Explosion proof							- CSA - CSA and UL approved construction, includes weatherproof and explosion-proof junction box
BODY							- AT - ATEX compliant construction includes, weatherproof and explosion-proof, junction box
B-B - Brass							- IEC - IECEx certified construction
S-S - SS							
FLOAT MATERIAL							FLOAT TYPE AND INSTALLATION
-S - SPDT							- O - Polypropylene, spherical, side wall mount
-D - DPDT							- A - 304 SS, cylindrical, side wall mount
							- B - Polypropylene, spherical, brass external float chamber
PROCESS CONNECTION							- C - 304 SS, spherical, side wall mount
-3 - NPT							- H - 304 SS, spherical, brass external float chamber
-4 - BSPT process connection and M25 conduit connection on units with junction box							- L - 304 SS, spherical, 304 SS external float chamber
							- S - Polypropylene, spherical, 304 SS external float chamber

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