

# prosense® Float Level Switch Kits

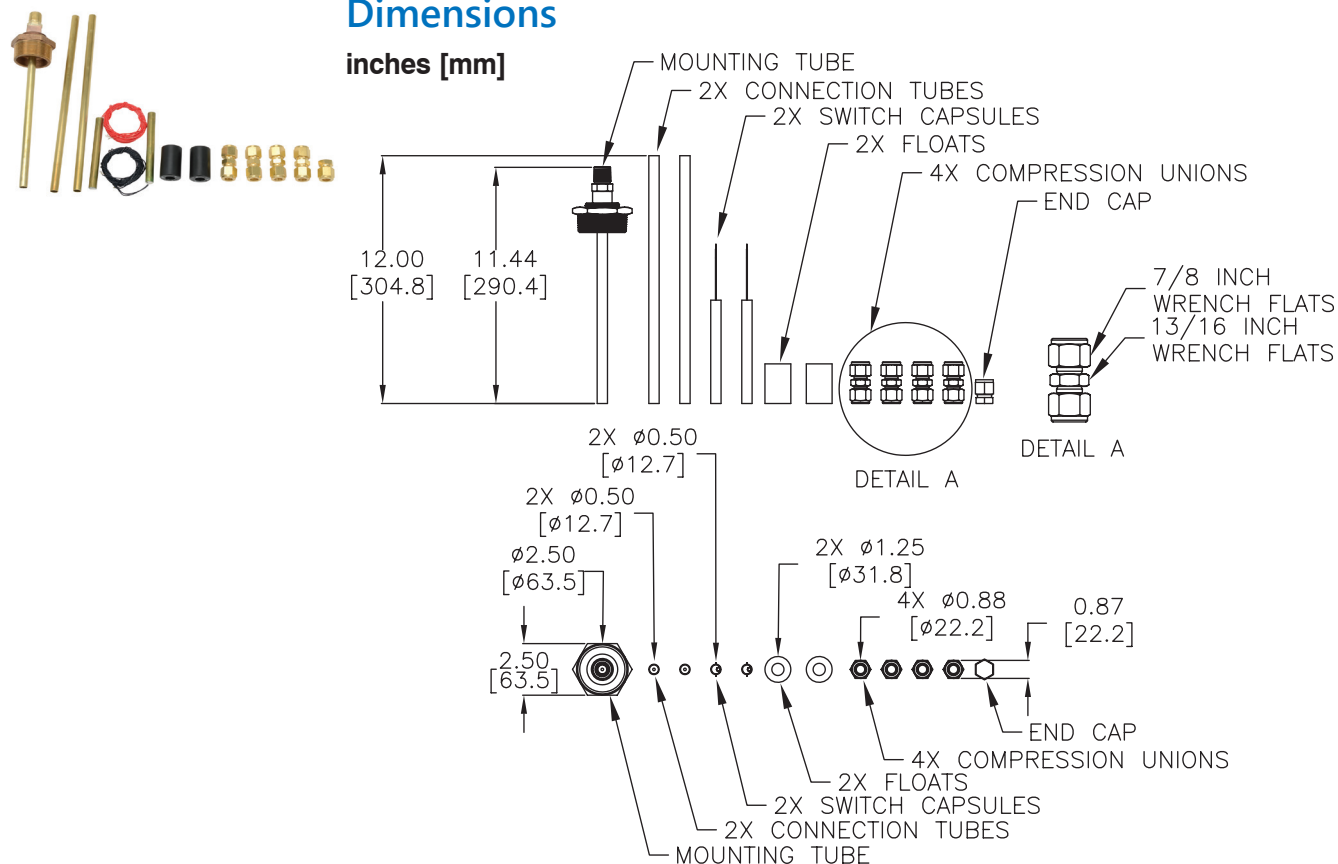
| Float Level Switch Specifications |          |                |                           |                                    |                         |                        |                                                                                              |                      |                                                   |                                                         |              |
|-----------------------------------|----------|----------------|---------------------------|------------------------------------|-------------------------|------------------------|----------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------|---------------------------------------------------------|--------------|
| Part No.                          | Price    | Float Material | Other Components Material | Temperature Range                  | Pressure                | Float Specific Gravity | Electrical Rating*                                                                           | Lead Wires           | Mounting Thread                                   | Approvals                                               | Weight (lbs) |
| <b>FLS-VK-200</b>                 | \$269.00 | Buna-N         | Brass                     | -40°F to 221°F<br>[-40°C to 105°C] | 150 psig<br>[10.34 bar] | 0.45                   | SPST NO or NC,<br>60W max<br>240VAC, 0.4 A<br>120VAC, 0.5 A<br>120VDC, 0.2 A<br>24VDC, 0.5 A | 22AWG,<br>Teflon 6ft | 2in MNPT pipe<br>plug /<br>1/2 in MNPT<br>conduit | cURus, CE<br>(See<br>Approvals<br>table for<br>details) | 4.0          |

\* Each float can be installed to function as either normally open or normally closed switch. Electrical ratings are for resistive loads ONLY. For inductive loads, maximum life will be obtained with the use of appropriate transient suppression such as an MOV or TVS.

Caution: Not recommended for use with PLC AC inputs or other digital AC input devices due to damage that may occur to the switch or input device.

## Dimensions

inches [mm]

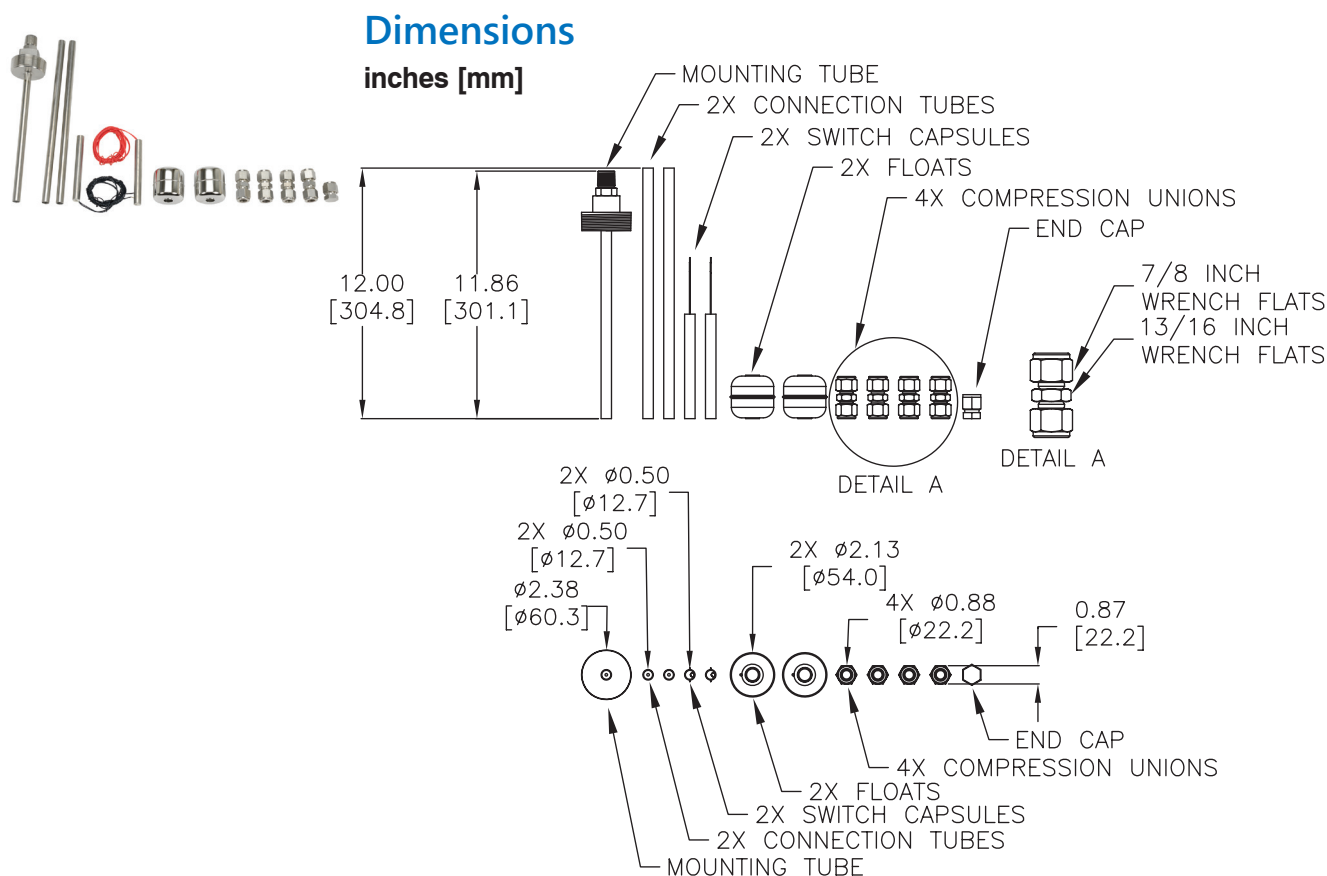


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| Float Level Switch Specifications |          |                |                           |                                    |                         |                        |                                                                                              |                      |                                                   |                                                      |              |
|-----------------------------------|----------|----------------|---------------------------|------------------------------------|-------------------------|------------------------|----------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------|------------------------------------------------------|--------------|
| Part No.                          | Price    | Float Material | Other Components Material | Temperature Range                  | Pressure                | Float Specific Gravity | Electrical Rating*                                                                           | Lead Wires           | Mounting Thread                                   | Approvals                                            | Weight (lbs) |
| <b>FLS-VK-300</b>                 | \$544.00 | 316SS          | 316SS                     | -40°F to 392°F<br>[-40°C to 200°C] | 200 psig<br>[13.79 bar] | 0.55                   | SPST NO or NC,<br>60W max<br>240VAC, 0.4 A<br>120VAC, 0.5 A<br>120VDC, 0.2 A<br>24VDC, 0.5 A | 22AWG,<br>Teflon 6ft | 2in MNPT<br>pipe plug /<br>1/2 in MNPT<br>conduit | cURus, CE<br>(See Approvals<br>table for<br>details) | 4.0          |

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**Brass**



**Stainless Steel**

## Float Level Switch Kits

ProSense float level switch kits provide the opportunity to fabricate in the field a customized two-float level switch with a maximum stem length of 36 inches (914.4 mm) using the supplied kit components. Level switch kits are available in two different material constructions for compatibility with different liquids.

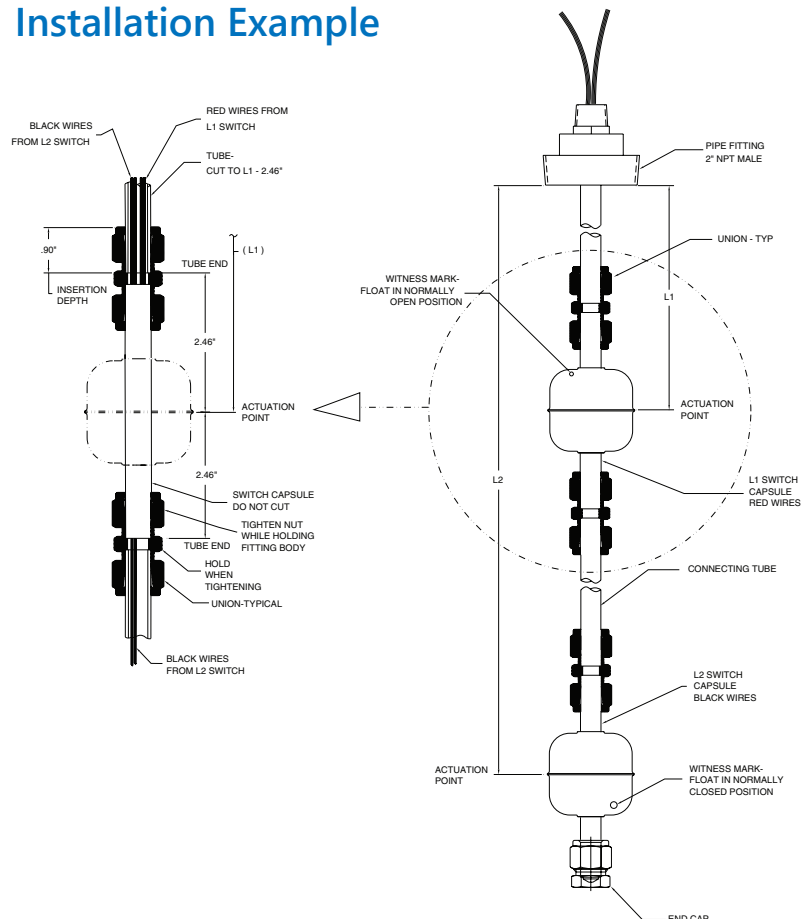
Each kit is furnished with the following components:

- 2-inch NPT male threaded pipe plug with attached cuttable mounting tube
- Two additional cuttable connecting tubes
- Two floats
- Two SPST switch capsules that can function as either normally closed or normally open depending on float orientation
- Four compression unions
- One compression end cap

Assembly of ProSense float level switch kits generally involves the following steps:

- Lay out the supplied components in the required configuration
- Determine the lengths of the connecting tubes and cut them accordingly
- De-burr and smooth the sharp edges of the cut tubes prior to installation
- Perform a trial assembly and using a continuity indicator (light, buzzer, Ohm meter, etc.), verify that the switch actuation levels are at the required levels and the switch action (normally open or normally closed) is correct for the application
- When switch set-up is satisfactory, tighten the fittings and apply thread sealant to the pipe threads on the top fitting before installing the switch into the tank.

## Installation Example



# prosense® Float Level Switches

| Agency Approvals           |                    |                                                                                         |                  |                                                                                        |    |
|----------------------------|--------------------|-----------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------|----|
| Part Number                | cURus<br>(E320431) | URus<br>Class I, Group A,B,C,D /<br>Class II, Group E, F, G /<br>Class III<br>(E366154) | CSA<br>(2679134) | CSA<br>Class I, Group A,B,C,D / Class II,<br>Group E, F, G /<br>Class III<br>(2685021) | CE |
| <a href="#">FLS-VS-100</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VS-200</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VS-300</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VS-400</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-100</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-200</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-300</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-400</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-500</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VD-600</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VM-100</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VM-200</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VM-300</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VM-400</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VM-500</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VM-600</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VM-700</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VM-800</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VL-010</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-020</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-030</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-040</a> |                    |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-100</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-200</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-300</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-VL-400</a> |                    | ✓                                                                                       |                  | ✓                                                                                      | ✓  |
| <a href="#">FLS-VL-600</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VL-700</a> | ✓                  |                                                                                         | ✓                |                                                                                        |    |
| <a href="#">FLS-VL-900</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HS-100</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-HS-200</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-HS-300</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HM-100</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-HM-200</a> | ✓                  | ✓                                                                                       | ✓                | ✓                                                                                      | ✓  |
| <a href="#">FLS-HM-300</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HM-400</a> | ✓                  | ✓                                                                                       | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-HM-500</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HM-600</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HM-700</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HL-010</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HL-200</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HL-300</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HL-400</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-BM-100</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-BM-300</a> | ✓                  |                                                                                         | ✓                |                                                                                        | ✓  |
| <a href="#">FLS-BL-100</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VK-200</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-VK-300</a> | ✓                  |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HT-100</a> |                    |                                                                                         |                  |                                                                                        | ✓  |
| <a href="#">FLS-HT-200</a> |                    |                                                                                         |                  |                                                                                        | ✓  |