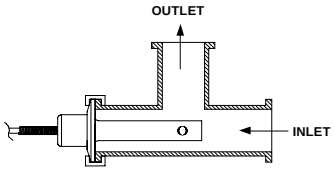
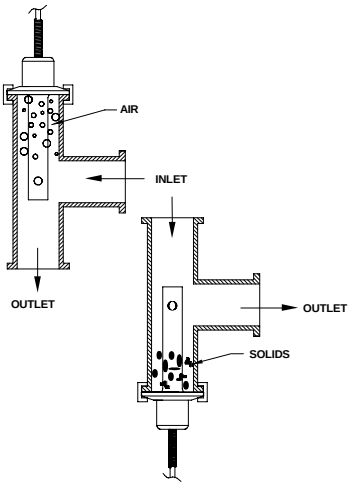
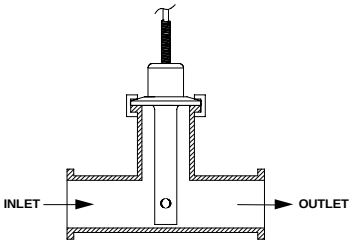
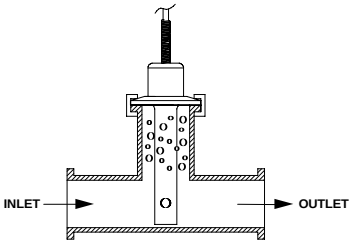
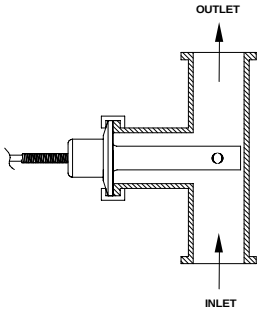
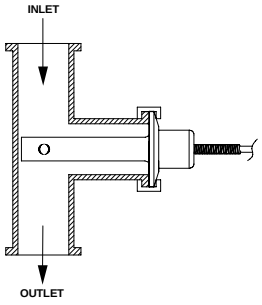
THORNTON

Leading Pure Water Analytics

INSTALLATION INSTRUCTIONS
SANITARY CONDUCTIVITY / RESISTIVITY SENSORS

TYPICAL INSTALLATIONS	READ THIS FIRST	NOT RECOMMENDED
RECOMMENDED MOUNTING  **This is the ideal mounting position**	The solution flow should be directed into the end of the sensor and allowed to pass out of the circulation holes of the outer electrode. The sensor should be mounted so the cavity does not trap air or solids.	
 	Vertical mounting is possible, if the pipe is full and air is not trapped between the electrodes. The solution must circulate inside the outer electrode for accurate measurements.	
 	Mount the sensor in a vertical pipe with the flow direction up. Mettler-Toledo Thornton does not recommend mounting the sensor in a vertical pipe with the flow direction down, because air bubbles or air pockets will affect the sensor measurement.	

METTLER TOLEDO

Cell Maintenance

Note: Contaminated cells can give inaccurate high or low readings, depending upon where the contaminates are deposited. Both of the electrodes and the insulator surfaces must be cleaned to ensure accurate readings.

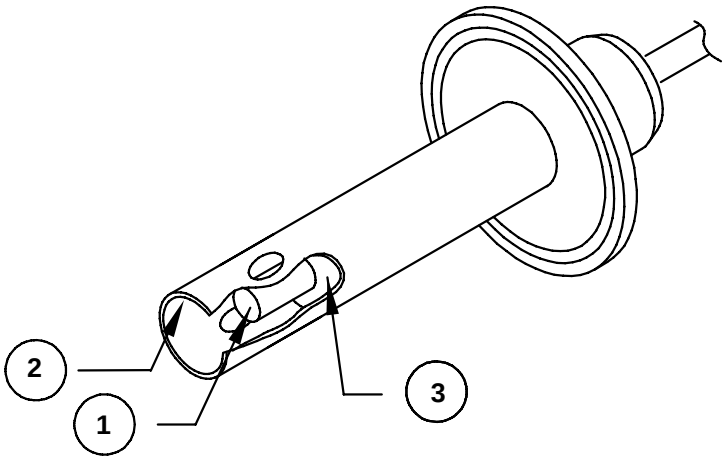
If contamination is suspected, removed the cell from its fitting and clean the electrodes and insulator. When cleaning, use a cotton swab saturated with a mild detergent or a very diluted (0.5% or less) inorganic acid, i.e. HCl (Hydrochloric Acid), H_2SO_4 (Sulfuric Acid), HNO_3 (Nitric Acid). If cleaning with acid use standard acid handling safety procedures.

Clean:

1. The inner electrode.

2. The inner surface of the outer electrode.

3. The insulator.



Rinse thoroughly with distilled or deoinized water before installation. Avoid touching the cleaned surfaces because oil from your hands will recontaminate the cell.

***DO NOT USE ABRASIVE MATERIALS** such as steel wool or nylon scrubbers, these may harm the electrode surface and could affect the accuracy.*

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