Sanitary Flange Mount, Stainless Steel Conductivity Sensors
Product Instructions

Mechanical Installation

Mount electrodes in stainless steel sanitary tee (1.5" for CS615TC and 2" for CS620TC) as shown below. First, place seal provided with tee in groove on tee flange as shown. Next, seat electrode on top of seal so that seals raised edge sits in groove on the underside of flange. Attach clamp around tee flange and electrode flange. Swing wing nut into slot in flange and tighten clockwise to seal.

NOTE: Always shut off flow when installing or removing electrodes.

Electrical Installation

Follow conductivity meter/controller manufacturer's instructions. Please note sensor wiring as follows:

White: Conductivity(outer electrode)
Black: Conductivity(inner electrode)
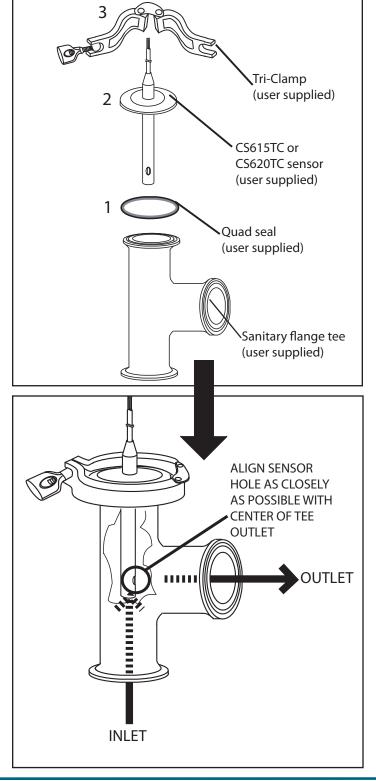Green and Red: Temperature sensor
Clear: Shield

SPECIFICATIONS

Cell Constant Choices	**0.01,** 0.1, 1.0
Temperature Pressure Maximum	121deg C**/100 psig
Wetted Materials	Stainless Steel 316, Teflon, EPDM (internal o-rings)
Cable	5 conductor PVC jacket Blk = cond inner electrode Wht= cond outer electrode Red, Green = Temperature Clear = shield
Temperature Sensor Choices	Pt100 RTD, Pt1000 RTD, 10K NTC, 30K NTC or inquire for other choices

Notes:
1) 10K NTC and 30K NTC are rated to 70 degC maximum and cannot be used in steam sterilization cycles.
2) Mount sensor in side branch of #7MP Tri-Clover or equivalent tee.

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Tri-Clamp (user supplied)

CS615TC or CS620TC sensor (user supplied)

Quad seal (user supplied)

Sanitary flange tee (user supplied)

ALIGN SENSOR HOLE AS CLOSELY AS POSSIBLE WITH CENTER OF TEE OUTLET

OUTLET

INLET

Parts covered by this product data sheet include:
C615TC, CS620TC