



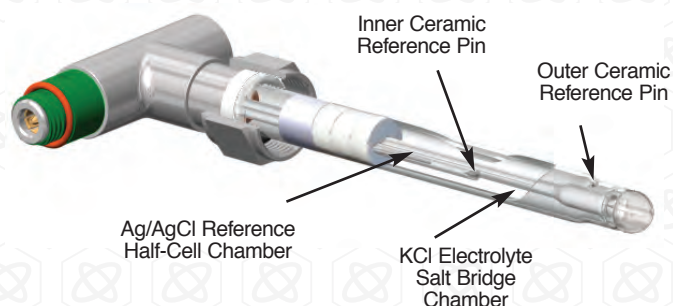
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Manufacturers of Sensors, Bioreactors and Process Control Automation

## Cutaway View



## Description:

The T-Pull® style FermProbe® pH electrode is designed to be used in bioprocess applications where CIP/SIP procedures are used. Built to withstand repeated steam sterilization cycles, the FermProbe quickly stabilizes after steam exposure to be back on-line in half the time of other electrodes.

This electrode design specifies that the pH electrode be secured to the housing by a free-spinning threaded retainer nut. This allows the electrode to be installed or removed from the housing without twisting or disconnecting the electrode cable. Additionally, the T-Pull handle eases installation and removal of the electrode from the housing.

The Model F815 FermProbe has two built-in electrolyte chambers that act to protect and isolate the sensitive inner AgCl reference half-cell. This "double junction", dual-chamber design effectively prevents the most common failure modes of pH electrodes in biopharmaceutical applications.

## Features:

- Rugged T-Pull handle design eases removal of electrode from housing. No tools required.
- Greatly reduces cable fatigue.
- Electrode retainer nut is part of the handle. Cannot be lost or misplaced.

# F-815-B\*\*\*-DH

## FermProbe® pH Electrode

- Accurate and Precise Measurements
- Superior Stability Post-Sterilization
- Improved Noise Rejection
- FDA, USP Compliant

## Specifications:

pH Range:	0-14 pH
Temperature Range:	-5-135°C (steam sterilizable) *
Pressure:	150 psig maximum *
Reference:	Double junction, Ag/AgCl
Internal Electrolyte Gel:	Potassium Chloride 1.0 M, Glycerine thickening agent, USP Grade
Cap:	T-Pull 3/4-20
Connector:	DH Style Disconnect
Wetted Materials:	Glass outer body, glass bulb, porous ceramic liquid junction, and internal electrolyte gel
Mounting:	3/4-20 threaded nut fits a wide range of bioprocess electrode housings
Bulb Glass:	Special Low-Drift Formula

\* Pressure and temperature ratings with FermProbe® installed in a Broadley-James housing

**Broadley  
James**®

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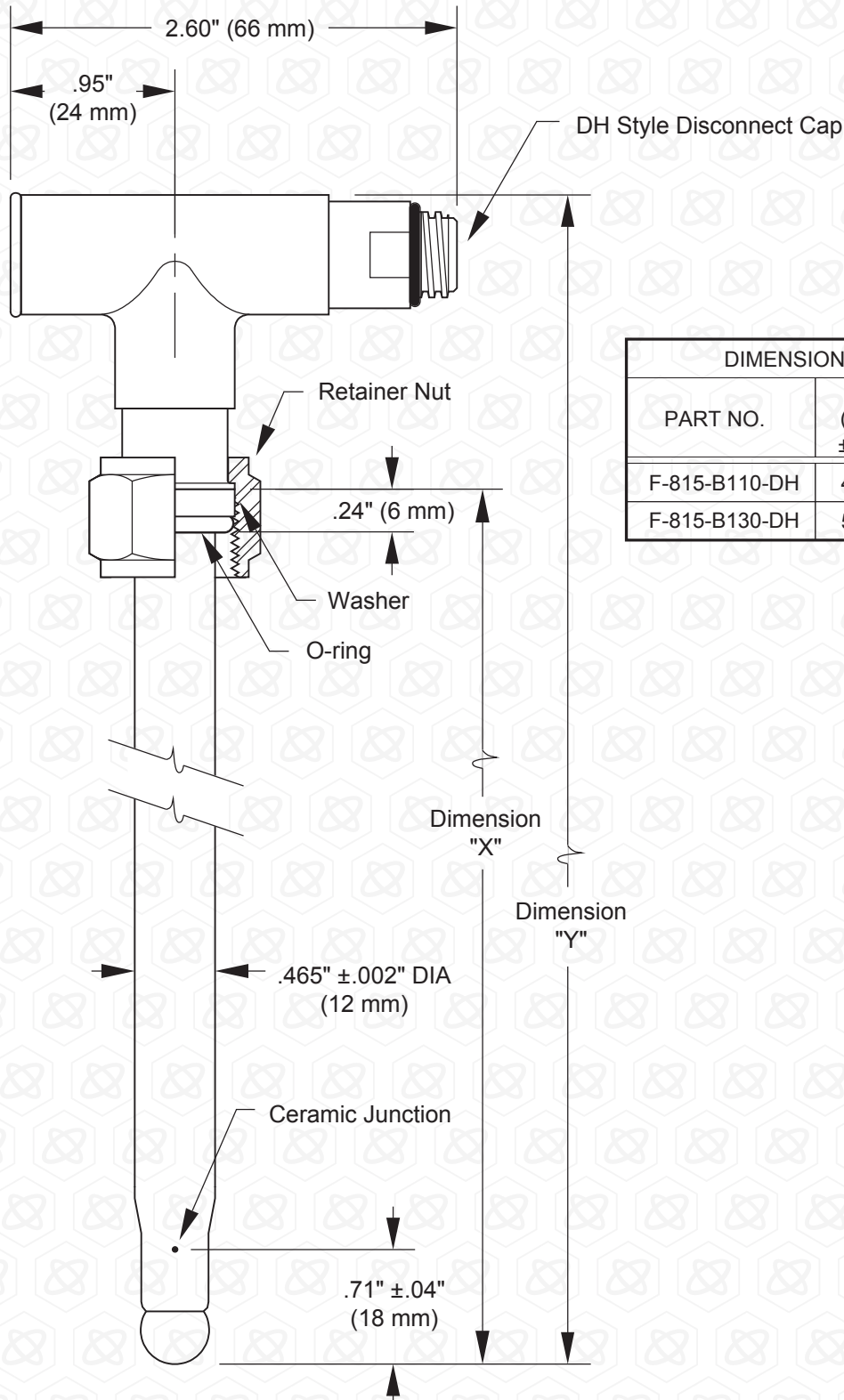
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## Model F815 pH FermProbe®

### Dimensional Tolerances Table

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DIMENSIONAL TOLERANCES TABLE

PART NO.	DIM "X" ("B" LENGTH) $\pm$ .06" (1.5 mm)	DIM "Y" $\pm$ .08" (2 mm)
F-815-B110-DH	4.32" (110 mm)	6.06" (154 mm)
F-815-B130-DH	5.12" (130 mm)	6.84" (174 mm)