



## Features

- Available option for all Banner QT50U and T30U..B models.
- Factory-installed Teflon flange and film coating bonded over the transducer provide protection from harsh environments.
- The flange is sealed to the sensor face using a Viton<sup>®</sup> o-ring; other o-ring materials may be specified (contact factory).
- Performance specifications for these models are identical to those of corresponding standard models, with the exception of reduced sensing range (see Performance Curves below).
- Sensor dimensions and mounting vary somewhat from corresponding standard models (see dimensions on reverse).

Teflon<sup>®</sup> is a registered trademark of Dupont™

Viton<sup>®</sup> is a registered trademark of Dupont Dow Elastomers

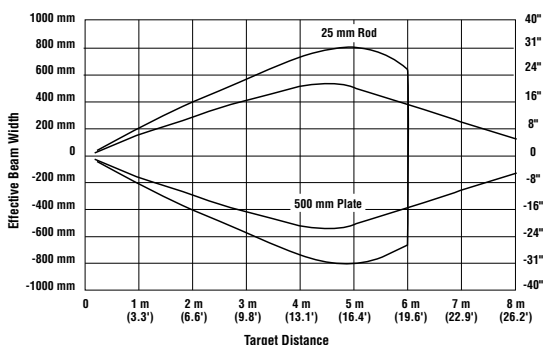
## Models

Add suffix “-CRFV” to the model number of any standard QT50U or T30U..B model sensor to get this option. For example: **QT50ULBQ6-CRFV** or **T30UINB-CRFV**. Consult factory for information on T30U..A models.

## Performance Curves

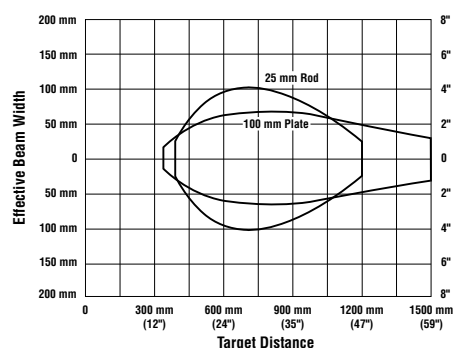
**QT50U Max. Sensing Range: 200 mm to 8 m (8" to 26')**

**QT50U Effective Beam Pattern (Typical)**



**T30U..B Max. Sensing Range: 300 mm to 1.5 m (12" to 5')**

**T30U..B Effective Beam Pattern (Typical)**



# U-GAGE® QT50U and T30U Chemically Resistant Ultrasonic Sensors

## Installation

The sensor may be threaded directly into the side of a tank (see dimensions for hole diameter and thread specifications), or into a non-threaded hole, using the included threaded nut.

For a non-threaded hole, install an o-ring onto the flange, and insert the flange completely into the hole until the sensor front surface is against the tank's exterior surface. Place the other o-ring into the groove on the Teflon nut, and thread the nut onto the flange (see Figure 1). Tighten enough to eliminate gaps between the flange and the tank surface. This will ensure that the o-rings are fully compressed.

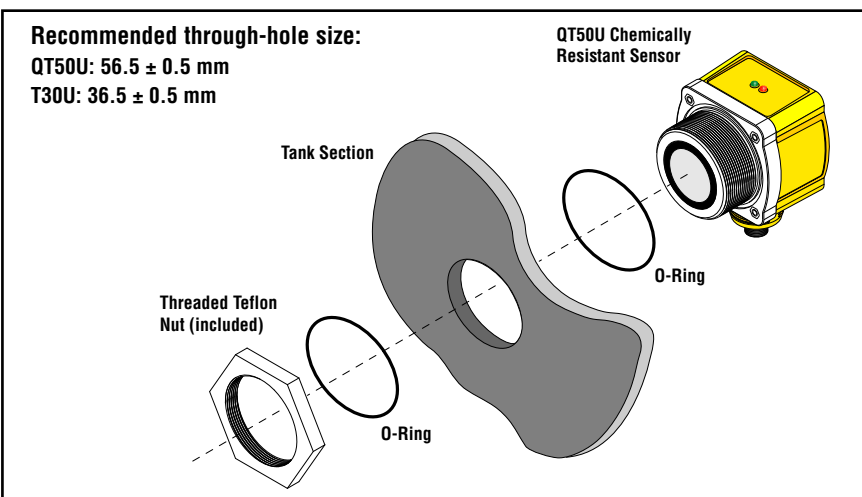
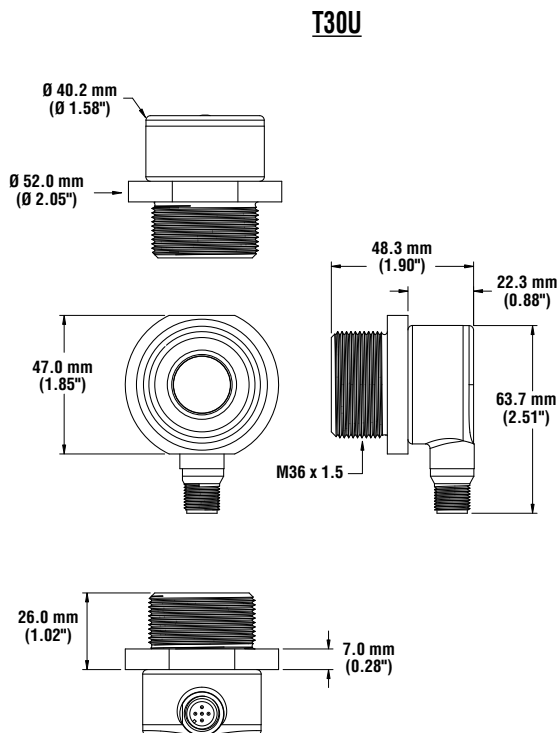
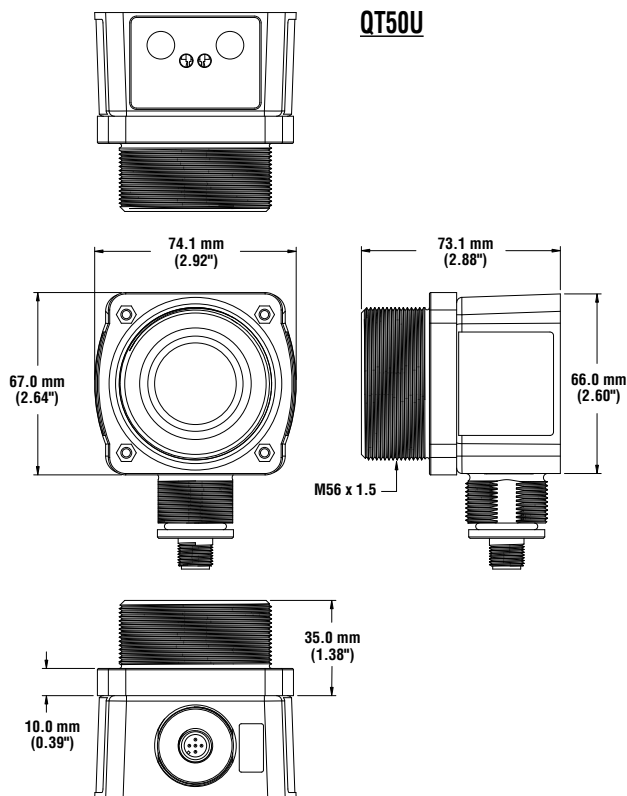


Figure 1. Installing the sensor into a non-threaded hole in a tank

## Dimensions



**WARRANTY:** Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.