



# the TOV viscometer Adaptor

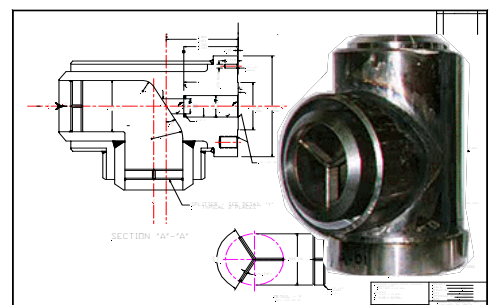
## The TOV Adaptor (or Flange) is an integral part of the TOV System.

The Adaptor is designed specifically for the TOV Probe and is machined for a smooth interior transition between the Probe and the interior of the pipeline or vessel, minimizing any flow disturbances and process build-up.

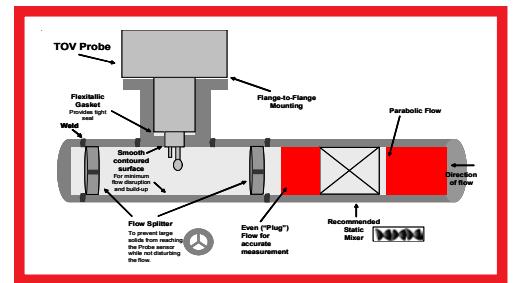
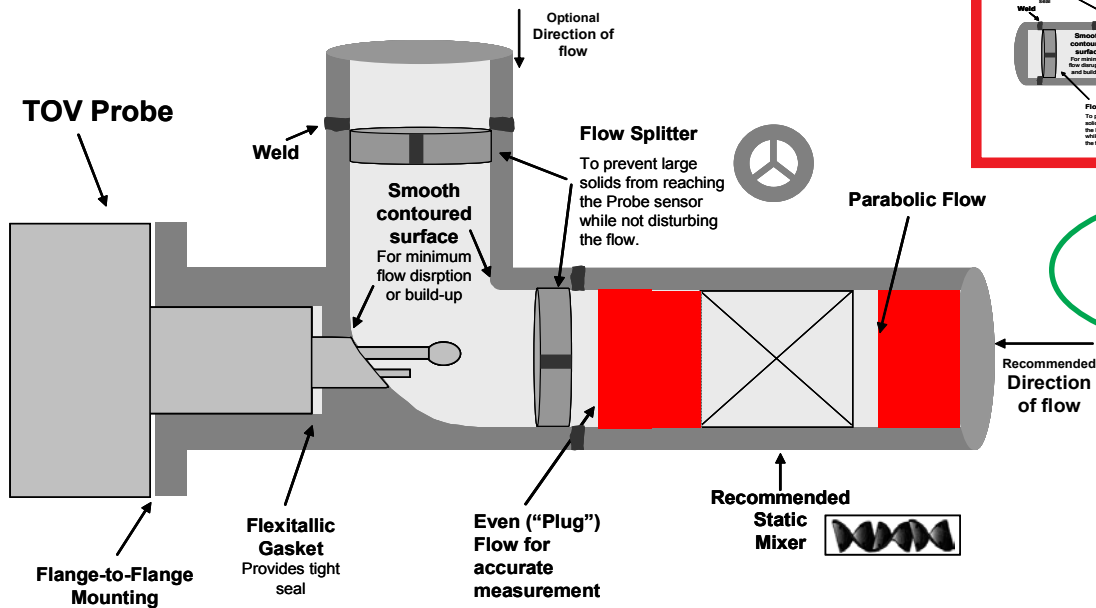
The Adaptor can be designed for jacketed or non-jacketed installations and is not limited by pipeline sizes. It can be designed for TOV installations into either elbow or straight pipeline sections. In vessel installations, a flange is designed for the Probe installation point.

### Key Features

- Designed to match the dimensions of the Probe for proper fitting.
- Designed for smooth contour to minimize build-up and process disturbances.
- Probe and Adaptor materials of construction are matched to equal the thermal coefficients of expansion
- The TOV Adaptor requires stringent compliance to detailed drawings to ensure proper fit.
- Adaptor Core and Jacket are designed and manufactured to meet pipe line specifications.
- Mansco Products built Adaptors have all core welds x-rayed per, ANSI 31.3 and jacket welds ultrasonically inspected per B31.3 criteria ASME Section 5.
- Can be designed for any core pipe size or schedule.
- Flow splitters provide Probe protection from solid flow during a process shutdown or freeze-up.
- Mansco Products designed detailed Adaptor drawings are available for customer local manufacture of the Adaptor or Flange.



## TOV Pipeline Installation

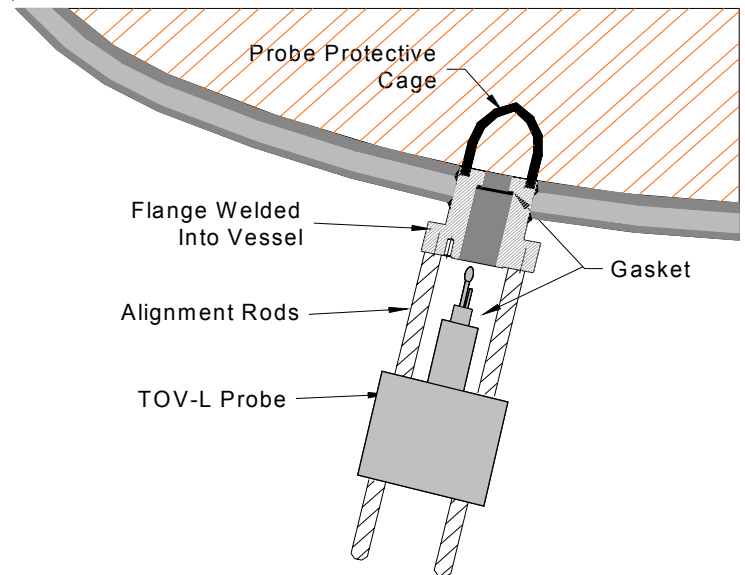


- Elbow installation shown in detail.
- Straightline installations are also available.

- Designed for smooth contour to minimize build-up
- Flow Splitters used for Probe protection
- Optional Jacket not shown
- Mansco Engineers work with the customer to analyze the best installation location in the process.
- A very durable and specifically selected Flexitallic Gasket included with each Probe for each installation

## TOVL Vessel Installation

- Designed for smooth contour to minimize build-up
- Mansco Engineers work with the customer to analyze the best installation location in the vessel.
- Protective cage used when extra Probe protection is needed
- A very durable and specifically selected Flexitallic Gasket included with each Probe for each installation



For more information, please contact:

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