



# TOV viscometer system focus

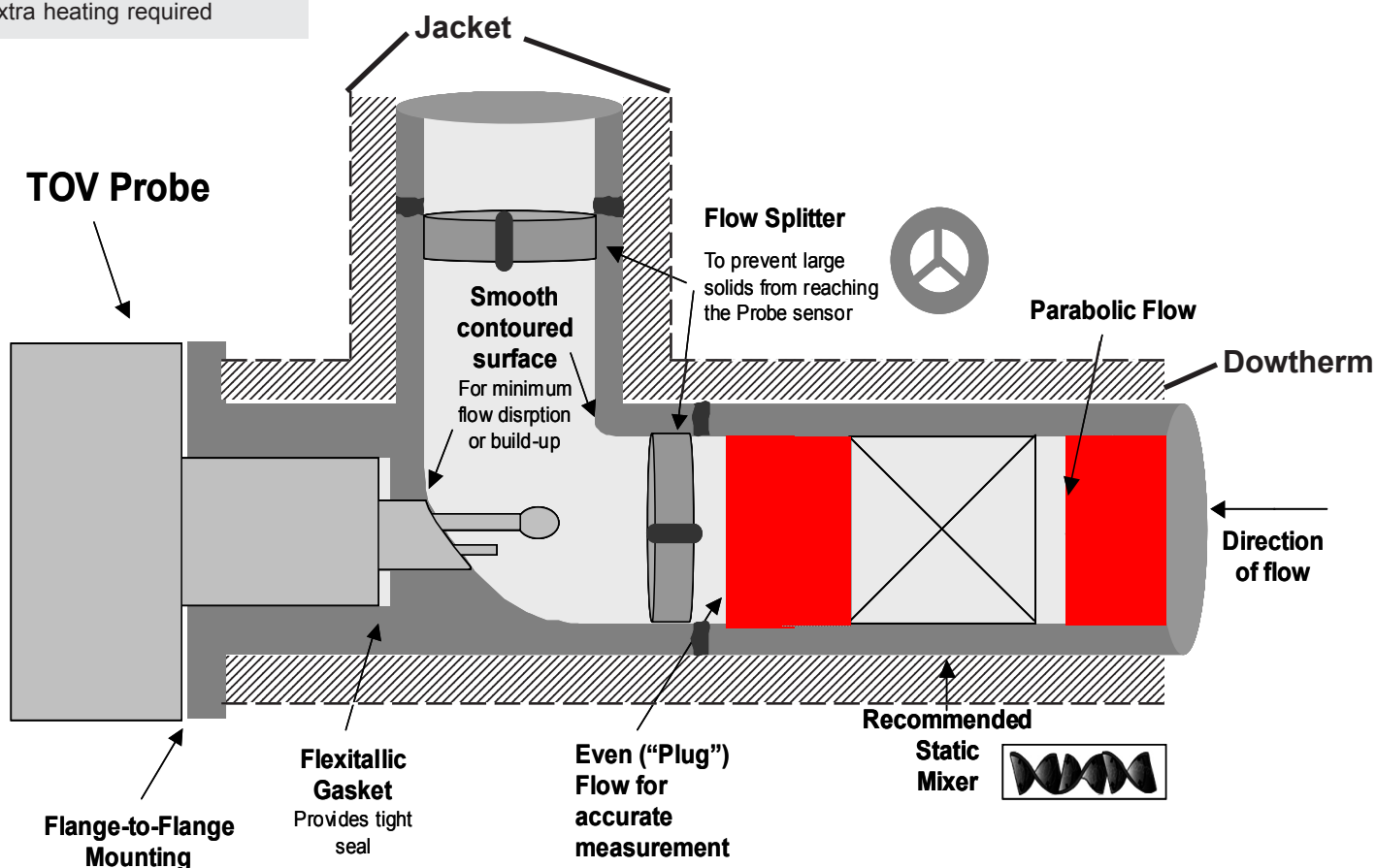
## TOV Probe, a part of the pipeline

TOV Probes, once installed into the Adaptor become part of the pipeline.

- Adaptor jacketed to match pipe
- TOV Probe designed to operate in temperature up to 350°C with no extra cooling, air or water, required.
- Adaptor and Probe insulated the same as pipeline
- No extra heating required

## The TOV and Heat Exchange: TOV Installation

The most common type of installation for the TOV Probe is into the main process pipeline. Since most TOV applications are high temperature by nature, these pipelines often use a jacketed pipe with a dowtherm for heating the core pipe being contained between the jacket and core pipes. The Adaptor is designed for these applications to allow the dowtherm to be used to heat the Adaptor section and, in turn, the TOV Probe. This means that no extra heating mechanisms are required for the TOV Probe and Adaptor in jacketed installations and the location will not become a source of significant heat loss. Below is an example of an elbow installation into a jacketed pipeline.

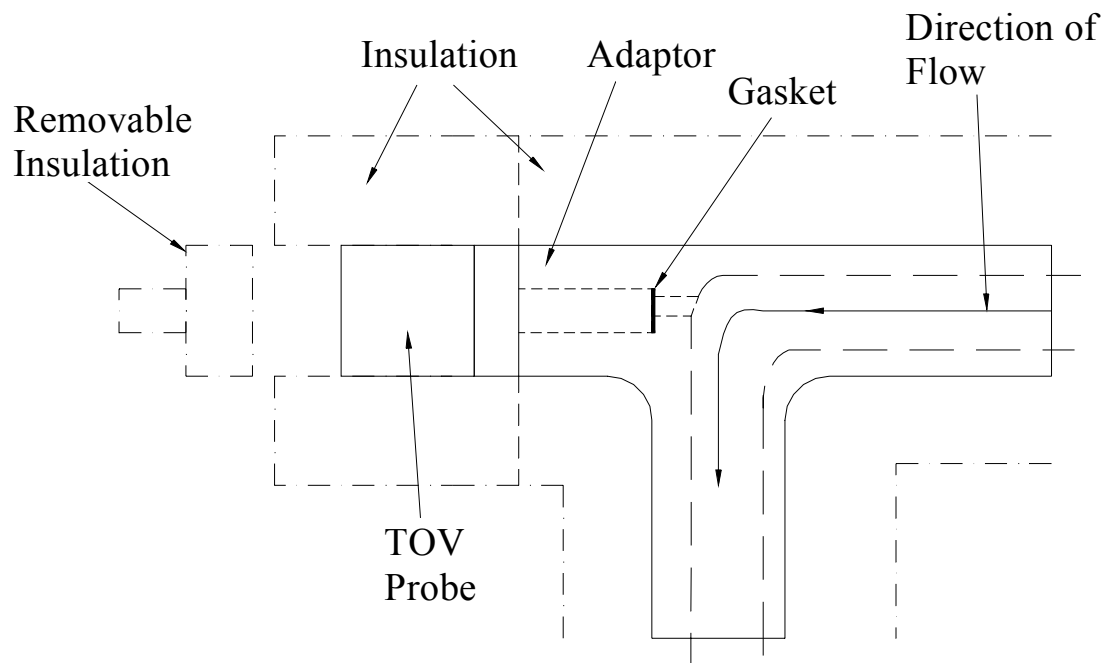


## TOV Probe

The TOV Probe itself is designed for high temperature applications...350°C with no extra cooling. In jacketed installations, the Probe and Adaptor should be insulated the same as the pipeline as the example below indicates. The removable piece of insulation at the end of the Probe is suggested in case the Probe needs to be serviced or removed at some point.

By insulating the TOV Probe and Adaptor, just like the pipeline, heat loss is prevented from the installation location. It also makes the installation easier and less costly as the dowtherm already in use will also be used to heat the TOV Probe.

By making the TOV Probe a part of the process pipeline, installation costs, maintenance costs, and heat loss are all reduced while the quality of the process can now be increased through the TOV's real-time, accurate, and reliable viscosity measurement.



For more information, please contact::