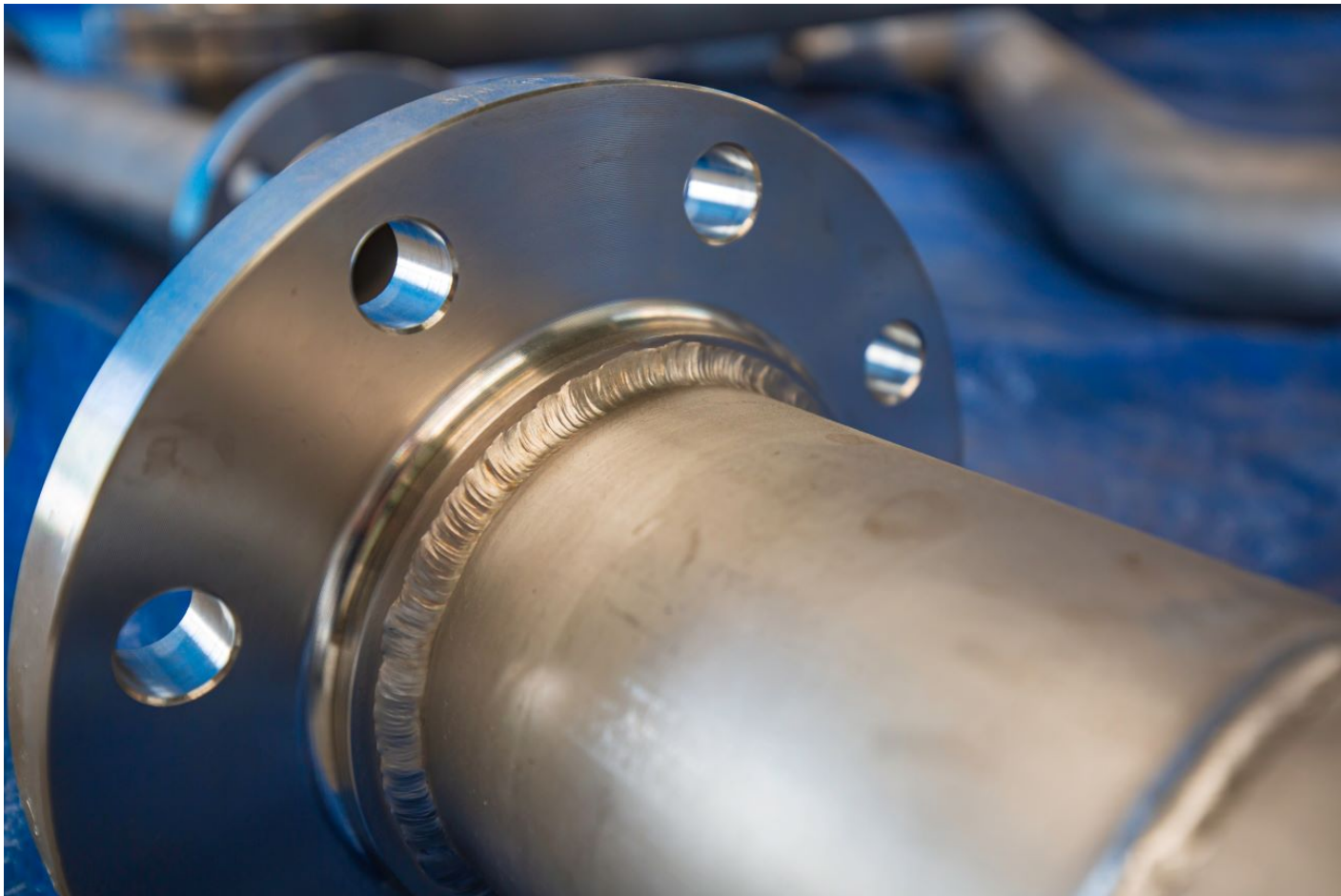


# METHANE FROM FLARING TOOLKIT



## Composition: Fixed Flange Probe

Uncategorized > Composition: Fixed Flange Probe

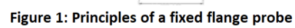
Fixed flange probes are permanently installed on a flare system line usually on the top of a horizontal pipe or the flare knock out drum. They are flanged connected, isolated with a DB&B valve, and can only be removed for maintenance during a flare system shutdown.

### How it Works

A fixed flange probe protrudes through a double block & bleed valve isolation arrangement to extract a sample of the flowing gas nominally from the centre third of the pipeline.

Fixed flange probes inserted into a process line, such as a flare line, must undergo wake frequency calculations to ensure they will not fail during maximum flaring conditions.

Fixed flange probes can only be inspected or have maintenance conducted during a flare system shutdown.



## Advantages



Low equipment costs



Low maintenance costs

Limitations



Can only be installed during a flare system shutdown



Can only be inspected and/or maintained during a flare system shutdown



Must be designed to handle the very high velocities in flare system pipework

Go Deeper

- [Vendor Website](#)
- [Vendor Website](#)
- [Vendor Website](#)
- [Vendor Website](#)

Case study

No case study available at this time.

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**Do I know the gas composition?**



Composition: Spectrometry (GC – MS)



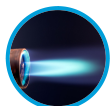
Composition: On-Line



Composition: Laboratory Analysis



Composition: Specific Gravity Analyser (Relative Density)



Composition: Wobbe Index Analyser (Calorimeter)