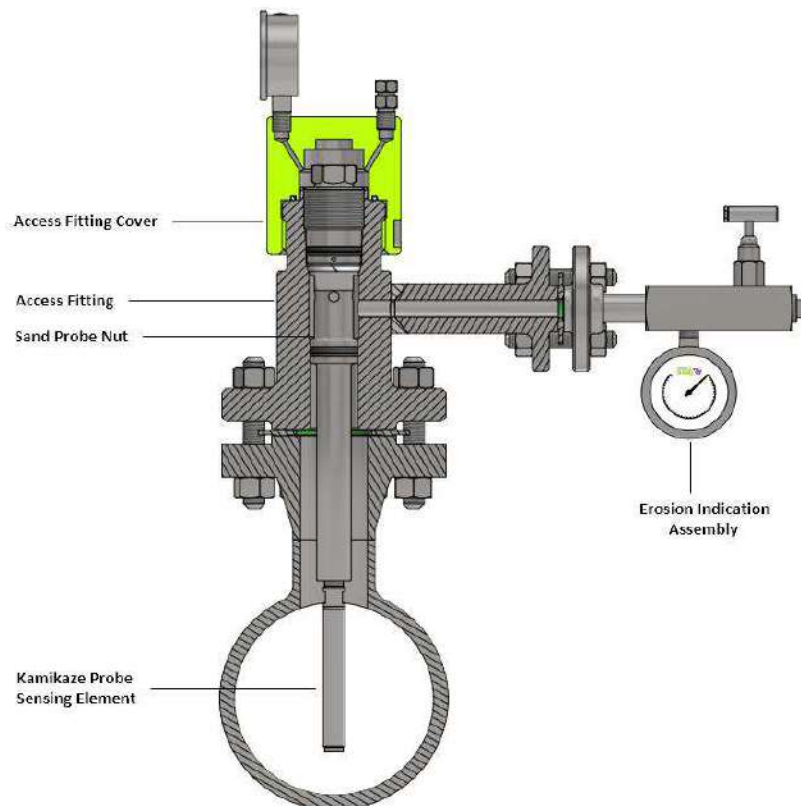


# AX – KAMIKAZE SAND PROBE

## 2" HP Kamikaze Sand Probe System

Pressure ratings up to 6000 psi (413 bar)

Temperature Ratings up to +232°C (+450°F)



### Axess Kamikaze Sand Probe Systems

The 'Kamikaze' sand erosion probe is designed to monitor erosion in flowlines. Impingement effects of sand or other abrasive materials on interior surfaces can lead to rapid and severe internal pipe wall metal loss. Pipe bends or reduced diameter sections are most prone to erosion effects.

The sensing element of the 'Kamikaze' probe is a sacrificial tube. The tube is closed at one end and threaded at the other end to mate with multiple use injection/sampling/sand probe nut. The standard tube is 5/8" OD and is available in three thicknesses; .016", .028" and .035". The nut enables the sand probe to be attached to a solid plug installed within a 2" access fitting.



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Sand or abrasives eventually erode the sacrificial tube exposing the sealed system to operating pressures. The pressure is directed through ports in the sand probe nut to the side tee portion of the access fitting and can be connected through valves to a remote alarm.

The location of sand monitoring points is critical to effective integrity management. Experience has shown that the most erosion occurs immediately downstream of every change of flow direction, especially on the outside of a turn. Sand normally returns to the approximate middle of the flow stream about ten to twenty pipe diameters downstream of each turn. Additionally, changes of direction which occur after a long straight run tend to experience more severe erosion rates.

### Sample Part Numbering:

**Access Fitting: AX2HP-RF600-STHRF600-A4/SP/2PRC**

Model	Pipe Connection	Configuration	Material	Plug	Cover
2" HP Access Fitting	600# Raised Face Flange	1/2" 600# Raised Face Flanged Tee	A105 CS	Solid Plug	2-Hole Pressure Retaining Cover

**Sand Probe Nut: SAND10.00-Q**

Model	Length	Size
Sand Probe Nut	10.00"	1/4"

**Sand Probe Nut: KSP-Q-A3-35-5.50**

Model	Size	Material	Element Thickness	Length
Kamikaze Sand Probe	1/4" NPT	316L SS	35mil	5.50"

Please visit [www.Axess-Corrosion.com/resources](http://www.Axess-Corrosion.com/resources) for more information or contact an Axess expert to discuss your chemical injection and sampling requirements.

