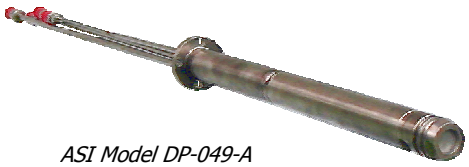
ALPHA SUITE, INC.
Arlington Heights, IL ● Tel: 847-788-9489 ● Email: Service@alphasuite.com

In addition to the services that we offer for maintenance and repair of your existing EPM dilution probes, we now supply New In-situ Diluting Probes. Should you require a replacement or spare probe, or have new installations, they are now available through ASI.

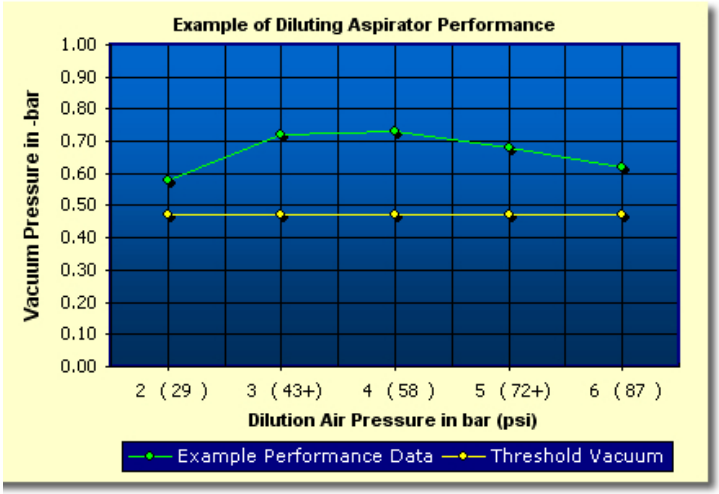


ASI Model DP-049-A
In-situ Diluting Sampler

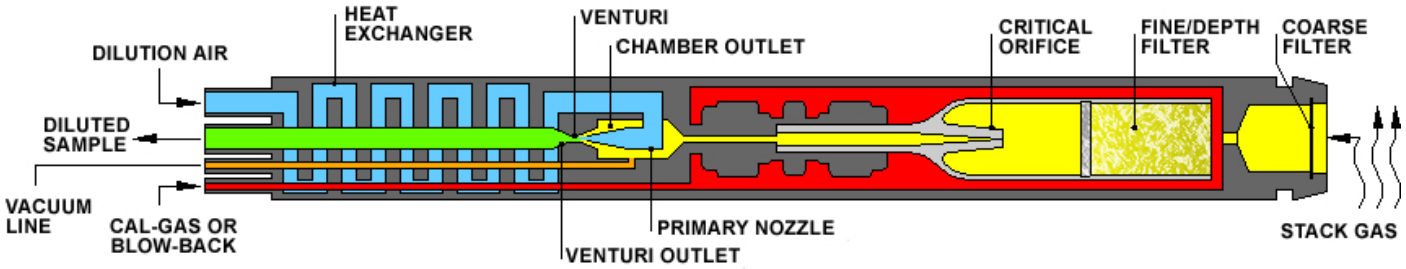
With the high efficiency diluting aspirators that we design into virtually any external form, we are able to offer a diluting probe that will meet your requirements. This makes for an easy retrofit to your existing in-situ dilution probes, that will be compatible and interchangeable with your current installation. For our **OEM** customers, we offer custom design services and will work with you to develop and produce a sample diluting unit that is packaged to meet your needs.

The internal diluting aspirators we produce are calibrated to meet the high efficiency aspirator requirements as those originally from EPM.

- Reach a minimum vacuum of .47 bar (13.87"Hg) at a low 2.5 bar (36.25psi) dilution air pressure
- Maintain vacuum levels above the .47 bar through dilution air pressures up to 6 bar
- Diluted sample flow rates in range of 4.5 to 12 l/min (dependant on dilution air pressure setting)
- Internal heat exchanger for the dilution air
- Wetted parts from Inconel® 600
- Operating temperatures up to 750°F (400°C), when using a glass orifice (higher with a Monel® orifice)



COMMON DILUTION RATIOS	
Average Dilution Range	**Critical Orifice Nominal Flow Rate**
215:1 to 350:1	**20 ml/min**
95:1 to 150:1	**50 ml/min**
44:1 to 75:1	**100 ml/min**
32:1 to 50:1	**150 ml/min**
27:1 to 37:1	**200 ml/min**
20:1 to 30:1	**250 ml/min**



Our diluting probes uses a glass or Monel® critical orifice (included with your diluting probe purchase). A number of sample flow rates are possible which will allow the use of our diluting sampler with a wide range of ambient level analyzers.

We also offer a variety support flange options. This will make the probe compatible with any existing probe extension pipe assembly, and compatible with new or old model probe heaters (using one of two types of coarse inlet filters we offer).

Whether your using a dilution probe heater, or your dilution probe is unheated, we can guide you through the installation process so you can use your existing extension pipe. For new installations we offer extension pipe assembly production and design services for special configurations, custom weldments and flangework.