



*The
Sampling
Connection*

MODEL MBP BACK PURGE SAMPLER PANEL

Safe, accurate sampling for tanks, pipes and vessels

Features

- Eliminate sample waste or sample recovery
- Sampler and sample line are purged in each sample cycle ensuring a representative sample
- Spring-loaded sampling valve assures operator safety

Description

The Sentry back purge sampler makes the advantages of closed loop type samplers available for applications where there is no separate return or drain line connection. By purging the sample source and the sampler as part of every sampling cycle, a new representative sample is taken each and every time.

Two types of samplers are available based on the sample volume required. The standard model MBP is designed for sample volumes above 1 oz. (30 ml) and is available in various sample flow path and connection sizes. The low volume model MBP back purge sampler is designed specifically for minimal flow path size so sample volumes as low as 0.033 oz. (1 ml) can be taken representatively.

How It Works

The sampler only requires the connection of a compressed gas source for purging, the sample source, and a vent line. All operations are controlled with a 4-position sample selection valve.

Off Position: Both the purge gas and sample source are blocked and isolated by the selection valve.

Pre-Purge Mode: The purge gas is routed back through the sample line to the sample source. The amount of pre-purge time is based on the line size, length of the line, sample viscosity, etc.

Sample Mode: The representative sample from the source flows through the sample line and selection valve to the needle/tube stub sampler assembly. The operator uses the spring loaded sample valve to fill the sample bottle to the desired level safely.

Needle Purge Mode: An adjustable flow of regulated purge gas is routed to the sampler so the operator can purge the needle/tube stub. The selection valve is placed in the off mode again and the sampler is clean and secured, awaiting another sampling process.

BACK PURGE SAMPLE PANEL



