

SAMPLING VALVE WITH EASY CLEAN-IN-PLACE

Problem

Sampling media can be difficult, especially when the media is viscous or fibrous. However, good, clean samples are necessary to monitor product quality. Clean samples start with a clean valve.

Solution

A PBM Sampling Valve can sample and Clean-In-Place efficiently. This valve is a Flush Tank ball valve, with a purge port and milled ball flats to aid in speedy cleaning of the valve and downstream piping.

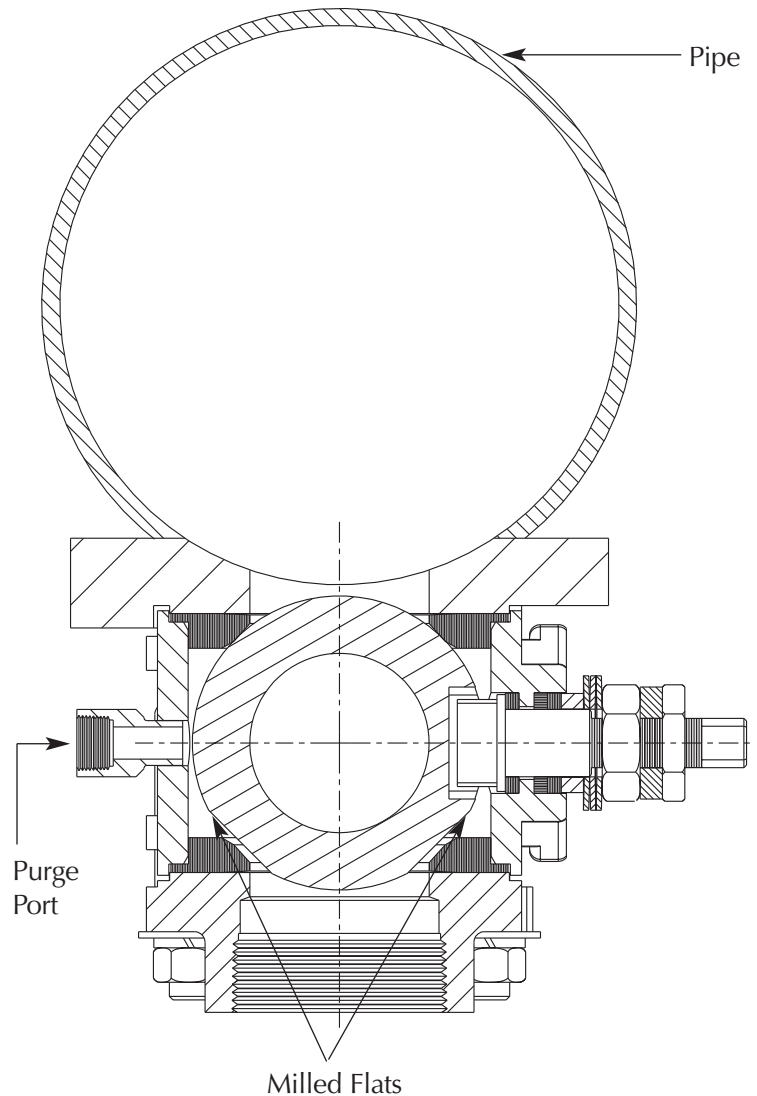
Clean purge water enters the valve through the purge port and exits downstream via the milled flats, cleaning the valve and the downstream piping at the same time. A sample can then be drawn by opening the valve. After sampling, the flushing process can be repeated to clean the valve, preparing it for the next sample.

Cleaning the Sampling Valve is important in order to prevent clogging, keep the valve operational, and generate clean samples. Cleaning is also important to prevent mixing old media from the cavity and sample piping with the next new sample.

To assist in preventing clogging, the PBM Sampling Valve is also specifically designed to reduce dead space between the ball and the pipe, minimizing the amount of media that can build up in this area.

Sampling media with the PBM Sampling Valve is also an easy turn of the handle. The precision-machined, stainless steel ball permits low torque, manual, quarter-turn operation.

PBM's Sampling Valve is available for both Industrial and Sanitary applications. It can also be shipped pre-mounted to piping or tubing for easy installation. Steam, actuation, and polishing options available.



Benefits

- Inline Clean-In-Place ability makes cleaning the valve and connected piping quick and easy.
- Quality samples are easily obtained because the previous sample is flushed away — each new sample is clean and fresh.
- Minimal dead space (depending on the valve size) between closed ball and pipe I.D. prevents clogging.