

**MODEL:
PFS-VC**

PRIMARY FLOW SIGNAL, INC.
CAN PROVIDE TOP QUALITY
RETROFIT EQUIPMENT AT
ECONOMICAL PRICING.

**PRIMARY FLOW SIGNAL, INC.
PFS-Replacement Vent Cleaner**

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PRIMARY FLOW SIGNAL NOW PROVIDES MANUAL VENT CLEANERS FOR YOUR EXISTING VENTURI OR FLOW TUBES...

...REGARDLESS OF MAKER, MODEL, OR YEAR OF MANUFACTURE.

PFS Wants to be Your PRIMARY Source!

Because we want to be your Primary source when it concerns Accurate and Reliable Flow Measurement Knowledge and Equipment, we are pleased to offer PFS Replacement Vent Cleaners.

Now you can count on PFS innovation, quality, and value for your replacement manual vent cleaners, whether they be for venturi or flow tubes, regardless of original maker, model or age.



Typical Problems with Existing Vent Cleaners

Most Manual Vent Cleaners will fail to function due to the following:

- The rod itself disintegrates over time because material was NOT Stainless Steel!
- The packing fitting develops a leak which cannot be stopped.
- The VC is not designed to handle difficult or tightly spaced tap schemes.
- Improperly and/or irregularly cleaned taps may, depending on the line fluid, cause excessive buildup of foreign particles that adversely affect the performance of the meter or transmitter.

The PFS, Inc. Solution!

- PFS, Inc. Produces a precise component that fits the exact geometry of the meter. This assures proper cleaning
- PFS, Inc. Uses only stainless steel for the rod material.
- PFS, Inc. Offers both static tap and tight available space designs.

Primary Flow Signal, Inc.
PFS
THE LEADER IN RELIABLE
FLOW MEASUREMENT

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Typical Product Data for the PFS Manual Vent Cleaner

FUNCTION

To manually clean out the pressure taps on static (or corner) differential producer type primary flow elements, preventing obstructions of the pressure sensing line(s) between meter and transmitter.

Frequency of use is dependent upon the anticipated degree of plugging as determined by nature and composition of line fluid. There are no adverse effects on metering performance other than a slight effect on chart recorder readings as a function of vent cleaning operation duration.

INSTALLATION-Location

One manual vent cleaner is installed in each piezometer (tap) location. There is no difference between high and low pressure tap vent cleaners.

INSTALLATION-Procedure

Installation of vent cleaners is according to the following procedure:

- Remove plastic thread protector(s).
- Apply either silicone or plumber's tape type sealant to exposed tap thread.
- Insert threaded end into piezometer connection on primary flow element.
- Tighten securely enough to eliminate any leakage, but does not have to be torqued.

OPERATION

Normal position of the vent cleaner rod is in the fully withdrawn position.

Cleaning cycle consists of:

- Loosen seal assemble on the brass cross until the rod slides freely.
- Insert and withdraw the rod fully several times to dislodge any accumulated detritus.
- Final cycle ends at full withdrawal followed by tightening brass nut until all leaks are eliminated.

DESIGN

The typical standard PFS, Inc. Manual vent cleaner consists of the following component parts:

Seal Assembly: Designed to seal and prevent the leakage of the line fluid.

Material: Brass

3/4" NPT Cross: Provides attachment points for the pressure sensing lines from transmitter to meter taps.

Material: Brass

3/4" NPT Plug: plug is provided in the event the pressure sensing lines are installed opposite the standard location.

Material: Brass

1/2" Stainless Steel Shaft: this rod with "T"-handle is provided to facilitate pushing any accumulated dirt back into the flow stream and away from the pressure sensing lines. Normal rod position is fully withdrawn.

Material: Stainless Steel.

3/4" Nipple: The vent cleaner is connected to the flow primary tap by means of the threaded end of the nipple.

Material: Brass

MAINTENANCE

Periodic(Annually at minimum) examination of the sealing nut to check for leakage due to looseness is recommended. In the event of leakage, tighten brass nut until leaking ceases.

OPTIONS

All configurations of manual vent cleaners are available in non-standard materials or custom designs to meet unique client specified applications requirements by special request.