



FARROW FLOW INSERT

Insert for creating a vortex inside of a pipe to improve flow of a solid, liquid or gas by converting and small amount of pressure to increased velocity, revolutionizing fluid dynamics inside a conduit.

APPLICATION

When the patented insert is placed in the air line output valve, vortex flow is created which causes the material to be pushed the inside walls of the pipe, improving cleaning by 25%. This saves energy, time, chemicals and water. Farrow Flow insert can be installed in minutes to any air line.

STANDARD CONFIGURATION

Farrow Flow insert comes with standard 1.25" thread (one male/one female). It is easily installed by hand tightening the insert to the couplings.

HAND TIGHTEN ONLY

DIMENSIONS

Length: 2.563"

Width: 2.437"

Height: 3.844"

Weight: 6.4 oz

PATENT INFORMATION

US Patent Application: No: 63/085329

PRESSURE 125psi MAX

TEMPERATURE -4 and 176 °F

PHYSICAL DATA

Interior insert material: (ABS) Acrylonitrile butadiene styrene

External sleeve material: Polyvinyl Chloride(PVC Rigid Compound)

CONNECTIONS

(1) 1.25" thread male

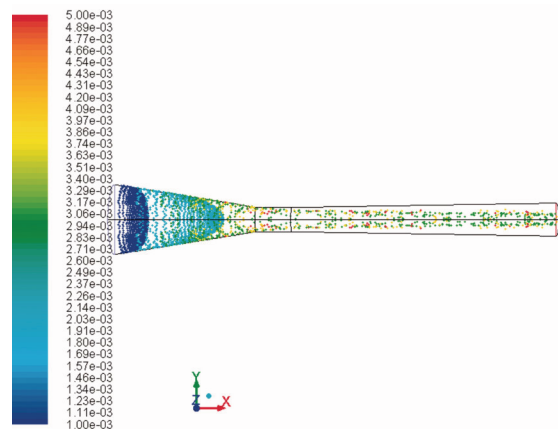
(1) 1.25" thread female

GENERAL PROPERTIES

When air passes through the Farrow FLOW® patented insert, a vortex motion in the air flow is instantly created.

This technology creates added velocity when added to traditional straight line air flow. A small amount of pressure is converted to increased momentum of the material down the pipe. This rotating flow as we know from the knowledge of a tornado, is also known as vortex flow. This causes the mixture to be pushed to the interior walls of the pipe before venting to atmosphere at the end of the hose. This vortex dramatically reduces time, water consumption and chemicals needed to produce the same result and has multiple clean-in-place applications to eliminate buildup.

LAB SIMULATION WITHOUT FARROW FLOW



LAB SIMULATION WITH FARROW FLOW

