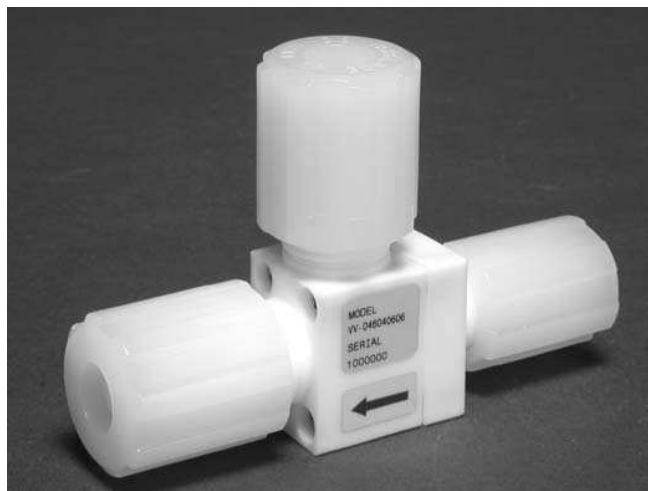


VV Venturi/Vacuum Generator

Product Overview

The PTFE Venturi/Vacuum Generator is designed for corrosive or high purity gas applications. The design consists of two machined high purity PTFE body halves attached using a tongue and groove sealing mechanism. The concept of a venturi valve is a short tube with a tapered constriction in the middle that causes an increase in the velocity of flow of a fluid and a corresponding decrease in fluid pressure. This is used in measuring flow or for creating a suction. The lack of moving parts eliminates the possibility of media contamination.



Features

Integral nozzle on inlet body half.

PTFE wetted surfaces.

Benefits

Eliminates the need for calibration and realignment.

Eliminates contamination and fluid compatibility issues.

Specifications

Materials of Construction:

Wetted Surfaces - PTFE

Non Wetted Surfaces - PVDF, 18-8 stainless steel

Pressure Ranges:

0 to 120 PSIG (8.2 bar)

Pressure ranges above are for operation at ambient temperatures. For use at higher temperatures consult Pressure/Temperature chart on page 3.

Temperature Ranges:

0° - 150° F (-17° - 66° C) Ambient

0° - 266° F (-17° - 130° C) Fluid

Motive Fluid:

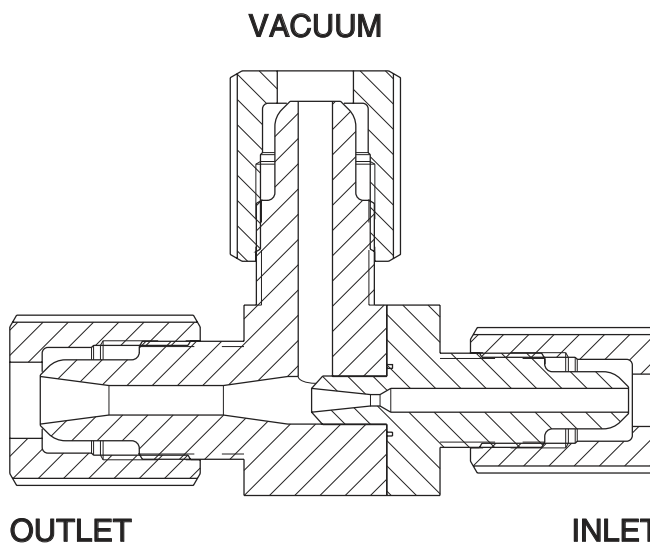
Clean Dry Air, N₂ or any other available gas

Motive Consumption (Air):

At 40 PSIG: 1.60 SCFM

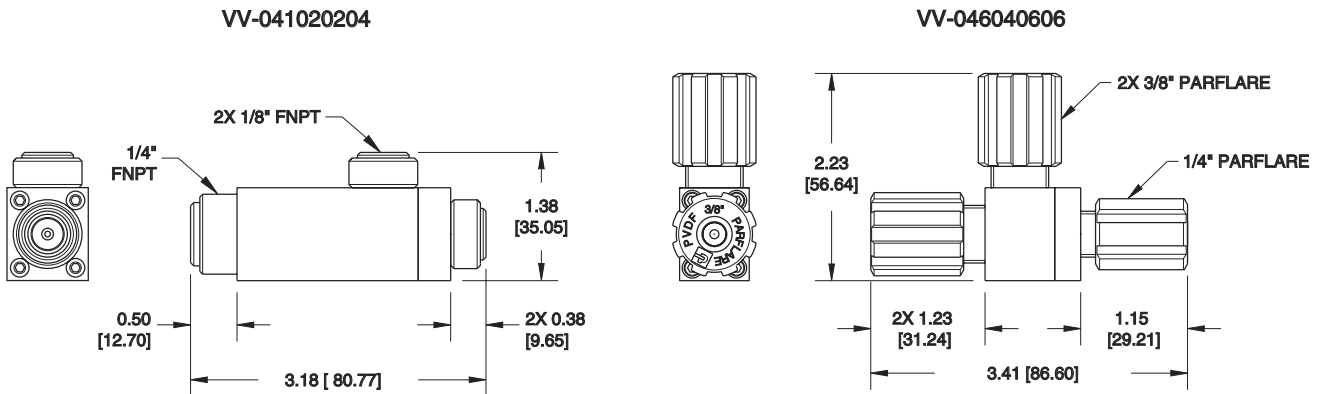
At 60 PSIG: 1.75 SCFM

At 80 PSIG: 1.80 SCFM



VV Venturi/Vacuum Generator

BRACKETED DIMENSIONS
 ARE IN mm.



Model Number	Orifice	Inlet Port	Vacuum Port	Outlet Port
VV-041020204	.060	1/8" FNPT	1/8" FNPT	1/4" FNPT
VV-046040606	.060	1/4" Parflare	3/8" Parflare	3/8" Parflare

SUCTION PRESSURE VS. FLOW RATE

