



Non- Metallic Venturi Style Eductors

Flanged - NPT



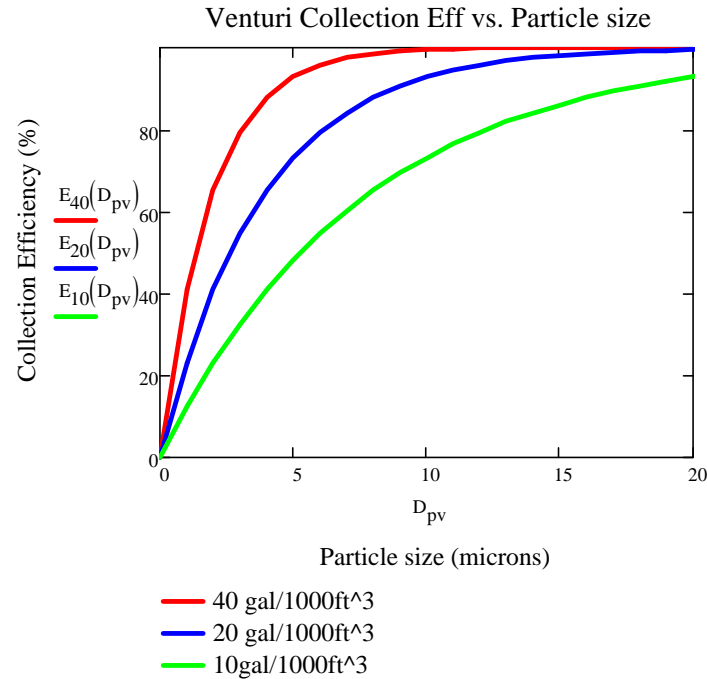
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Eductor Style Venturi Scrubber

Overview

Vee's Venturi style Eductor scrubber is a very economic and maintenance free way to clean fumes while simultaneously creating a vacuum. By creating a monometer effect the scrubber uses a motive liquid force to create differential pressure across its inlet. Once the contaminated stream enters the Venturi it is then accelerated to a high velocity causing fluid particle shear and a very high rate of mass transfer. This results in high collection efficiencies for many types of particulate matter. A Venturi is designed to avoid traditional scrubbing problems such as channeling and flooding of the column. It is also constructed to be much more portable than a larger packed column for the same gas loading. Though all of our Venturi's are designed to handle very highly saturated airflow, they can be applied to less severe conditions as well. When used in series with a mist eliminator Venturi's particulate collection efficiency can exceed 99%. Contact us anytime to see if our Venturi product line is right for your application.



Construction Specifications

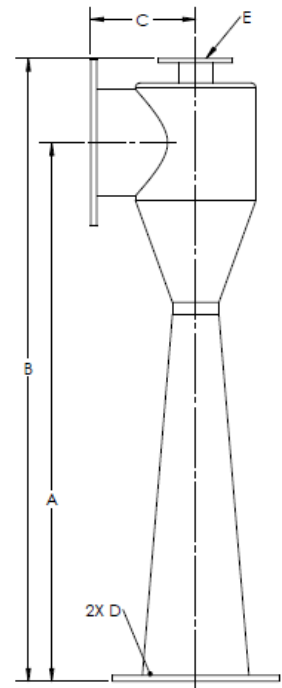
- Machined and fabricated from thermoplastic material available in
 - PVC, CPVC, PVDF, Polyethylene, Polypropylene, FRP.
 - Smaller sizes available in PTFE
- Standard ANSI 150 flanges connections all ports, also available in FNPT
- Service temperatures dependent on construction material
- for flow rate data see Technical data section
- Not designed for significant compression loading

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Dimensions

Max Flow rate (CFM)	A	B	C	D ANSI 150	E ANSI 150
50	13-7/8"	18"	3-1/2"	2"	1"
75	20-1/4"	25-3/8"	4"	3"	1"
150	25"	30-3/4"	4-1/2"	4"	1"
300	45-5/8"	53"	6-1/2"	6"	1"
500	48-7/8"	57-3/8"	8-1/2"	8"	1-1/2"
1000	57-7/8"	67"	10-1/2"	10"	2"
1400	73	83-3/4"	11-1/2"	12"	3"
2000	75	87-3/4"	14-1/2"	14"	3"

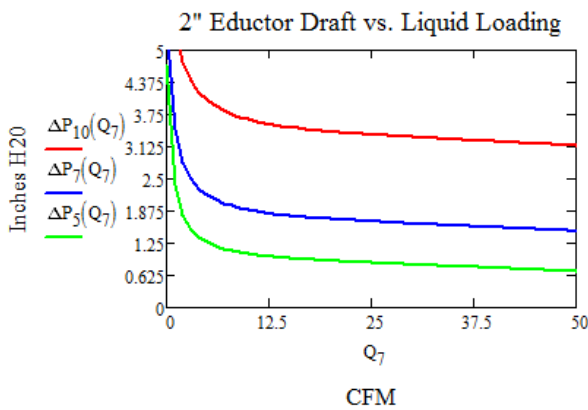


*Larger custom Venturi Designs available upon request

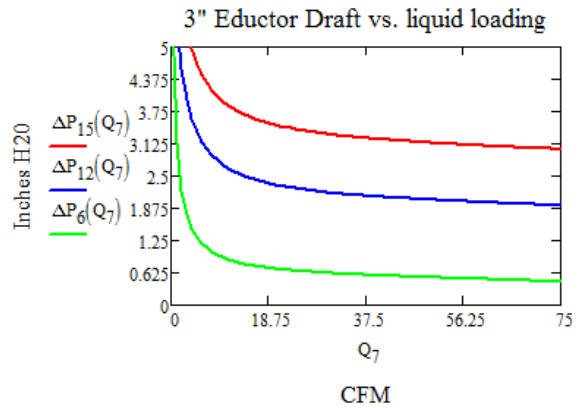
Technical Data

*Notes

- All curves shown for a specific gravity of 1.0
- Differential pressure of 40 psi.

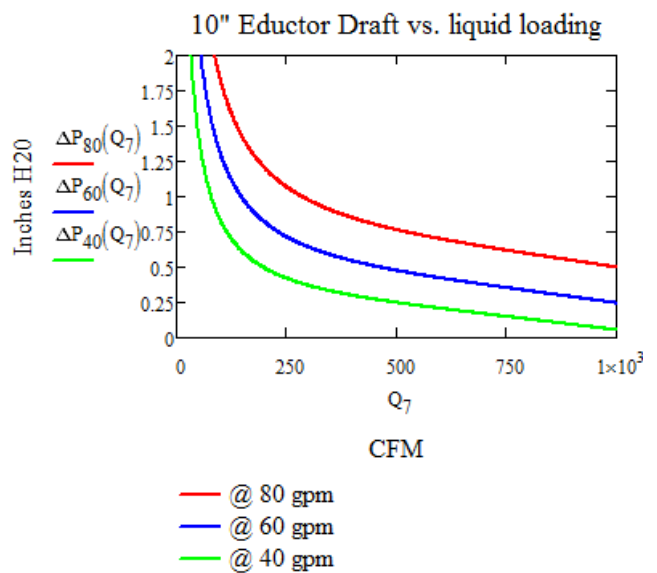
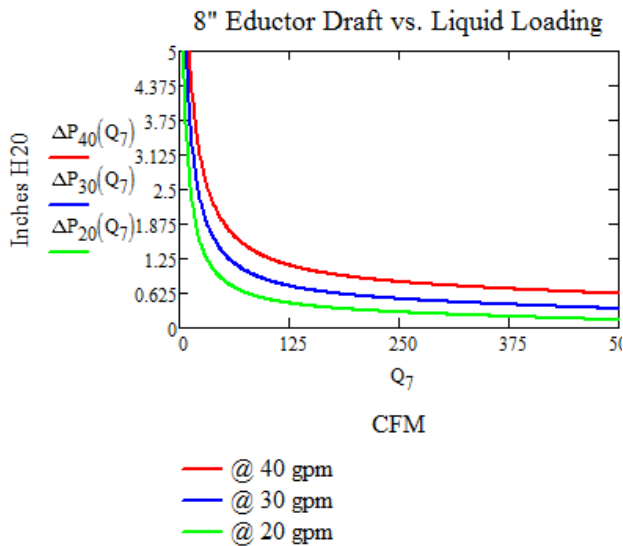
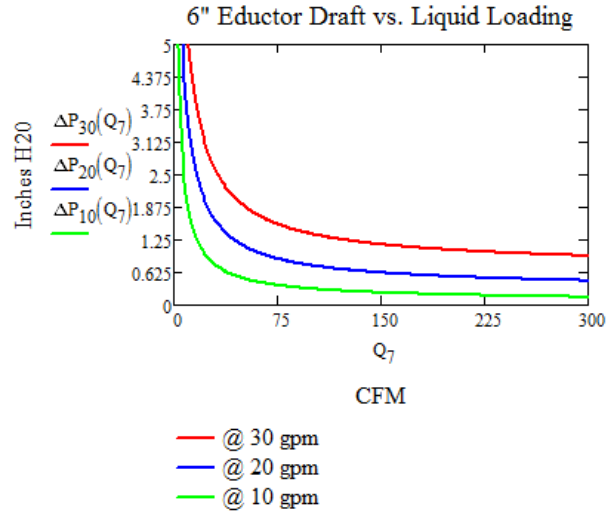
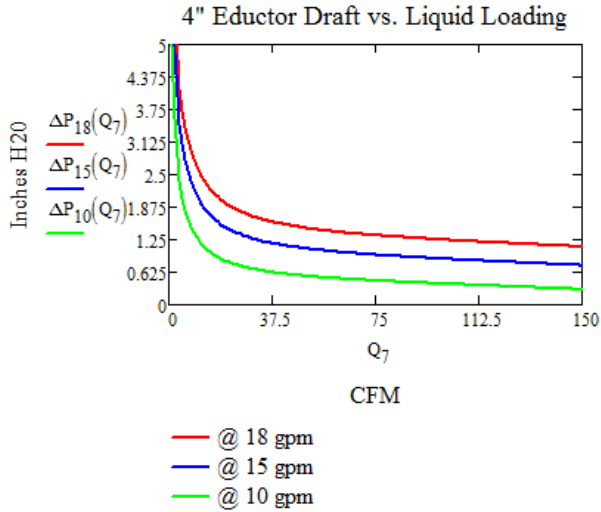


- @ 10 gpm
- @ 7 gpm
- @ 5 gpm

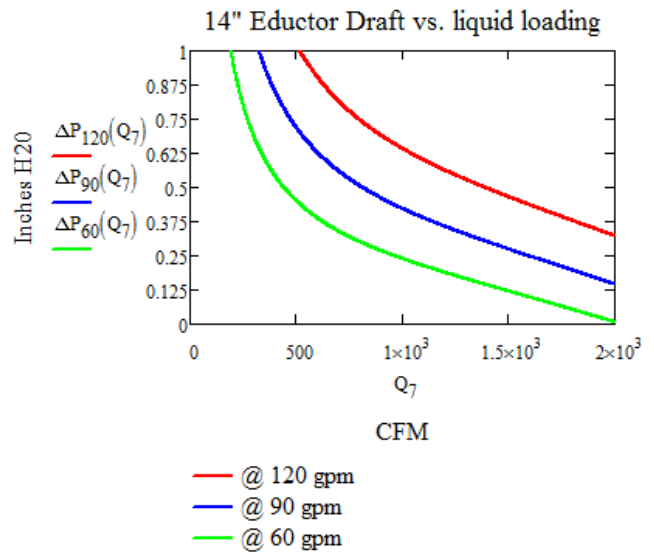
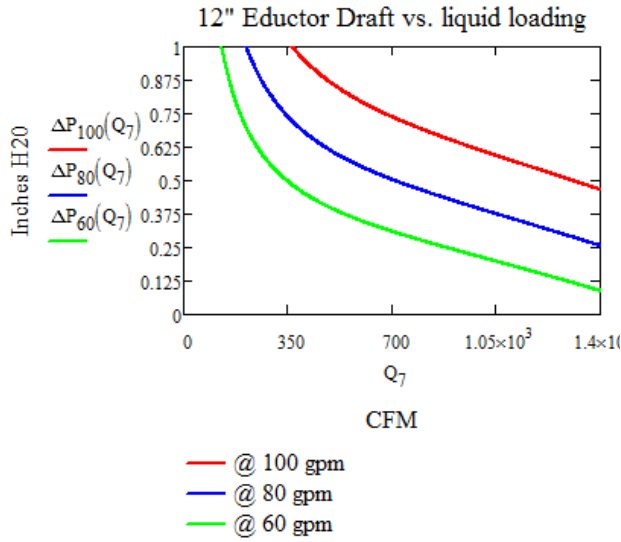


- @ 15 gpm
- @ 12 gpm
- @ 6 gpm

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Part Number Identification

VENT – X X X – Y Y Y Y - Z Z Z

X X X = Nominal pipe size x100 (in decimal)

Y Y Y = Type of material

PPRO-polypropylene

PETH-polyethylene

PVC0-PVC

CPVC-CPVC

PTFE-Teflon

PVDF-PVDF

FRPO-Fiberglass reinforced Plastic

Z Z Z = Type of Connection

FNG-Flanged

NPT-National pipe thread

Example: 1-1/2" Polypropylene Nominal Venturi with #150 flanged connections:

VENT-150-PPRG-FNG

Sales and Support

For sales and support contact Paul Vaughn

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