



MED MODEL VTS



**Mueller
Environmental
Designs, Inc.**



**Air Filtration
Evaporative Cooling
Noise Control
Mist Elimination
Turnkey Projects**



MED Model VTS

APPLICATION

The model VTS is designed to remove entrained liquids venting to atmosphere from low pressure waste fluid tanks while operating over a wide range of exhaust flows.

PRINCIPLE OF OPERATION

Gas and entrained liquids enter the low pressure vent tank mist extractor through the inlet nozzle, contacting an auxiliary coalescing element and then proceeding to the polishing/separating element. The coalescing and polishing/separating elements' surfaces act as an agglomerator, setting-up centrifugal forces and throwing liquid particles to the shell wall which, due to sheeting action, become trapped in drain pockets. The liquid particles then drain into a sump for return to the waste tank through a downcomer. A vortex breaker prevents re-entrainment of the liquid as gas exits the VTS.

PERFORMANCE

The Low Pressure Vent Tank Mist Extractor Model VTS will remove 99.5% of all entrained liquid particles 8 microns and larger from the venting gas.

OPTIONS

- Various Support Methods
- 304 SS Construction
- Rain Caps
- Removable Internals

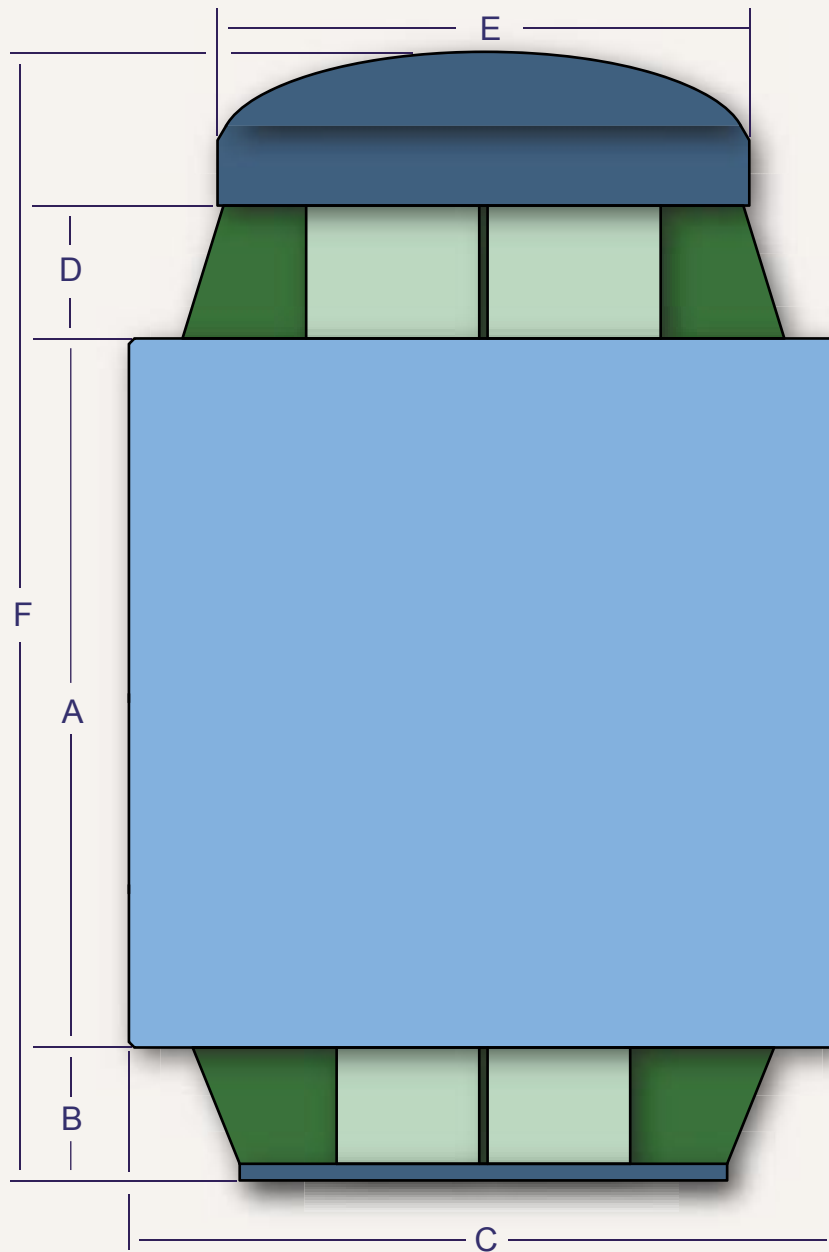
FEATURES

- High Separating Efficiency Over Wide Operating Flows
- Self Cleaning
- No Moving Parts
- Low Maintenance Requirements
- Simple Installation
- Replaceable Coalescing Element

WARRANTY

Mueller Environmental Designs, Inc. warranties against poor workmanship, material defects and failure due to improper equipment selection.

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Size (Inlet/Outlet)	Design Flow (SCFM)	A	B	C	D	E	F	Weight (LBS)
4	480	8	2 1/2	8	1	6	14 1/4	30
5	750	10	2 1/2	10	1 1/4	6	16 3/4	38
6	1080	12	3	12	1 1/2	8	19 3/4	59
8	1920	16	3	16	2	10	24 1/2	99
10	3000	20	3	20	2 1/2	12	29 1/4	143
12	4320	24	3	24	3	14	34	281
14	5880	28	3	28	3 1/2	16	38 3/4	382
16	7679	32	3	32	4	18	43 1/2	450
18	9719	36	3	36	4 1/2	20	48 1/2	575
20	11999	40	4	40	5	24	54 3/8	721
22	14519	44	4	44	6	26	59 1/2	863
24	17279	48	4	48	6	30	64 1/4	1,101

All Dimensions are in Inches

Suction Scrubber Sump Tank Vent



Compressor Packing Case and Dog House Vent



Mueller Environmental Designs, Inc.

7607 Wright Road
Houston, Texas 77041

713-465-0995

Fax 713-465-0997

E-Mail: sales@muellerenvironmental.com

www.muellerenvironmental.com