



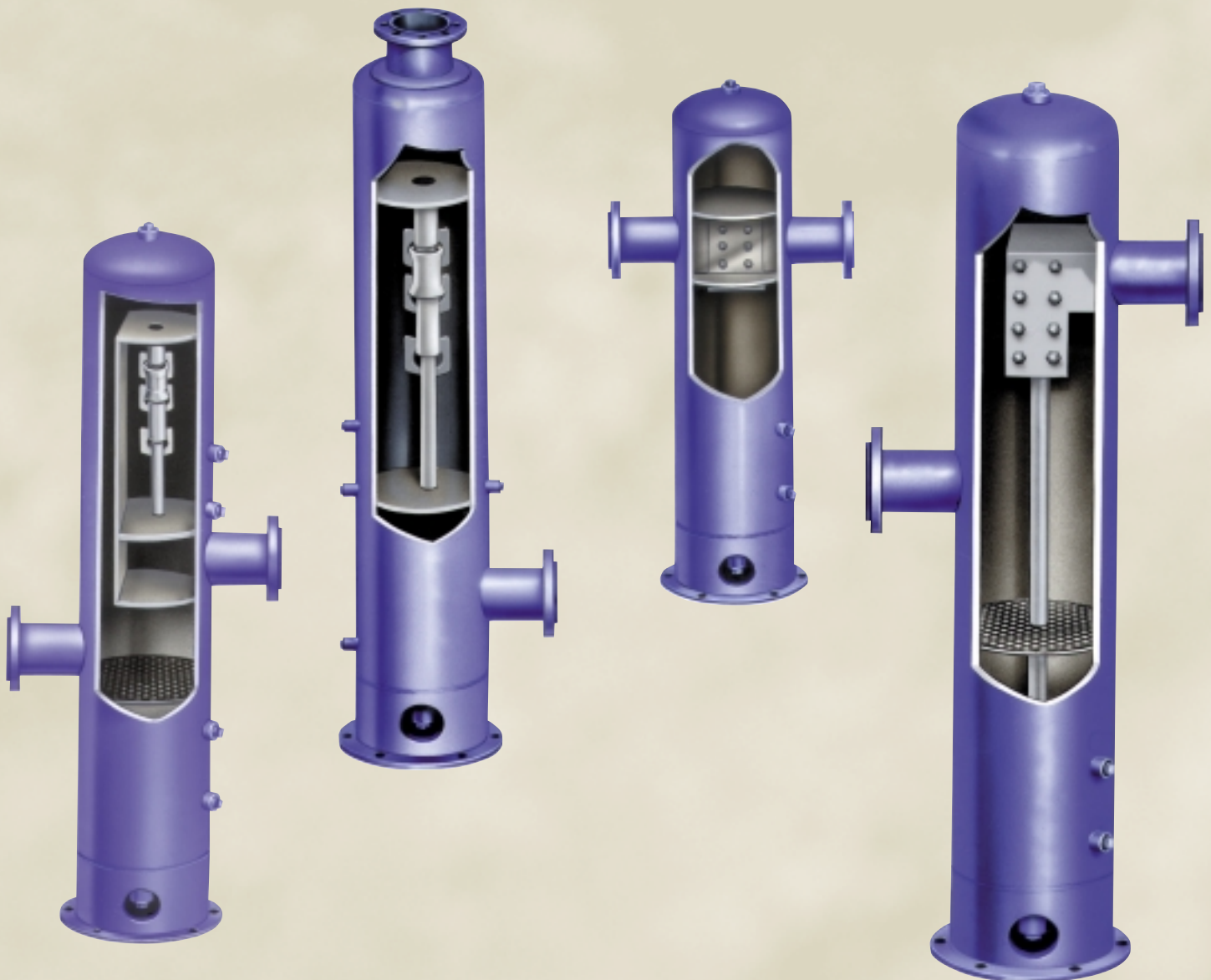
ISO 9001

PERRY EQUIPMENT CORPORATION

SERIES 95

GAS SCRUBBERS & SEPARATORS

*Economically Efficient
Bulk Liquid Scrubbers &
Separators*



The **PECO® Series 95SV Scrubber** provides an efficient, yet inexpensive means of liquid removal during high liquid loading and slugging.

APPLICATIONS

- Compressor Suction • Plant Entrance
- Well Head • Contact Tower Inlet & Overhead

CYCLOTUBE® SCRUBBER

SERIES **95SV** Utilizes the PECO Cyclotube Mist Eliminator

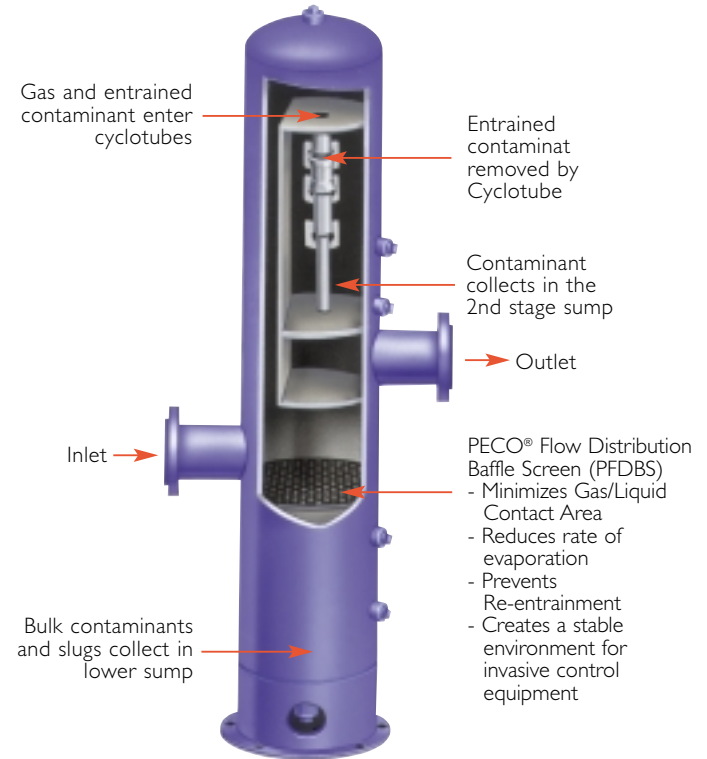
Cyclotube technology is specifically designed to enhance separation of contaminants that foul, plug or creep through vane and wire mesh mist eliminators.

Use Cyclotube Technology for Trouble free removal of the following contaminants:

- Brine • Lube oil • Wax • Glycol • Asphaltenes

Principle of Operation

Bulk contaminants and slugs diverge from the gas stream upon entering the scrubber's first stage and are collected in the lower sump below the PFDBS. Following a tortuous path the gas and entrained contaminant enter the scrubber's second stage where Cyclotube separators combine centrifugal, pressure vacuum, and flow vector forces to effect highly efficient separation while velocity scouring inherent in Cyclotube dynamics precludes fouling. The removed contaminant is collected in an independent second stage sump. Low differential pressure cyclotubes are available for pressure sensitive applications.



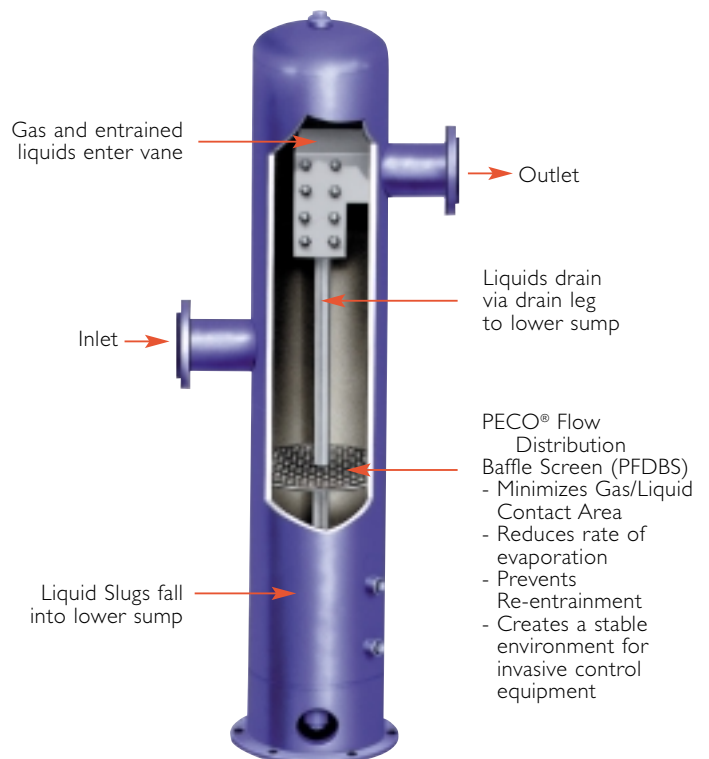
VANE SCRUBBER

SERIES **95SV** Utilizes both the PECO Wave Plate and Hook Vane Mist Eliminators.

Vane mist eliminators effectively remove water, hydrocarbon liquid and typical pipeline liquid mixtures.

Principle of Operation

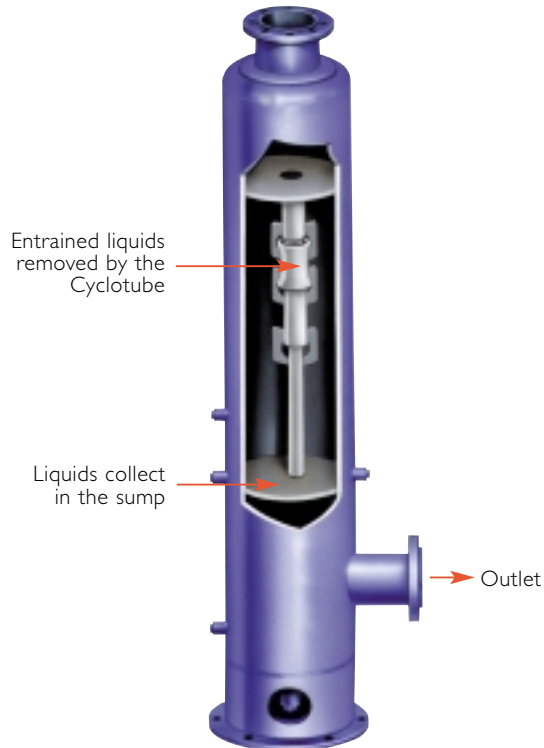
Bulk contaminants and slugs diverge from the gas stream upon entering the scrubber's first stage and are collected in the sump area below the PFDBS. Following a tortuous path the gas and entrained contaminant enter the scrubber's second stage where PECO® vane technology utilizes inertial impaction to separate contaminants from the gas stream. The removed contaminant then gravity drains into the sump via the drain leg, preventing re-entrainment.



PECO® 95V Separators are a single stage vertical unit design for a continuous light liquid load when no slugs will be present.

APPLICATIONS

- Compressor Discharge • Compressor Interstage
- Vent Gas • Cooler Discharge • Steam
- Meter & Regulation Stations

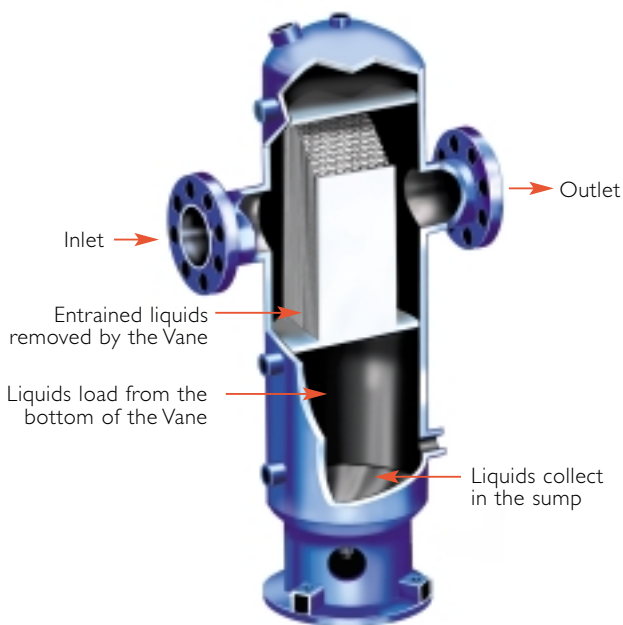


CYCLOTUBE® SEPARATOR

SERIES **95V-CT**

Principle of Operation

The principle of operation is similar to that described for the 95SV Cyclotube scrubber, except there is no first stage pre-separation of bulk contaminants and slugs prior to entering the Cyclotube separators. The gas and contaminant directly enter the scrubber's Cyclotube separators which combine centrifugal, pressure vacuum, and flow vector forces to effect highly efficient separation while velocity scouring inherent in Cyclotube dynamics precludes fouling. The removed contaminant is collected in a sump compartment located below the Cyclotube contaminant ejection ports. Low differential pressure Cyclotubes are available for pressure sensitive applications. This Separator should be used for medium liquid and solids loadings.



VANE SEPARATOR

SERIES **95V-Inline**

Principle of Operation

The principle of operation is similar to that described for the 95SV vane scrubber, except there is no first stage pre-separation of bulk contaminants and slugs prior to entering the vane separator. The gas and entrained contaminant directly enter the vane which utilizes inertial impaction to separate contaminants from the gas stream. The removed contaminant then gravity drains into the sump. This Separator should be used for light liquid loading with minimal solid contaminant loading.

Information Required for Sizing

- Operating Pressure
- Operating Temperature
- Gas Specific Gravity
- Gas Flow Rate at above Conditions
- Contaminant
- Contaminant Flow Rate
- Design Pressure
- Corrosion Allowance

Related configurations/products offered

- Horizontal Configuration
- Alt-Line Configuration
- 3-Phase Separators
- Multi-Cyclone Separators
- Wire Mesh Separators
- Removable Vane Packs
- Mist Eliminators also Sold Separately

All PECO® Vane Mist Eliminators are built in accordance with ASME code for unfired pressure vessels, national board stamp and local, state and province requirements as specified.

Standard PECO® Vane Mist Eliminators are of welded carbon steel bodies with either carbon steel or stainless steel vane elements.

PECO® is a world leader in the design and manufacture of quality Filtration Equipment, specializing in the Oil and Gas Industry. Founded in 1936, many of the technologies used in the Industry today were originally developed by PECO®. Our continued dedication to research and development of new leading edge technologies has kept PECO® at the forefront of Engineered Filtration Solutions for use by our clients worldwide. Our vast experience and knowledge of Oil & Gas related applications allow us to offer not only Filtration Solutions, but also Process Solutions.

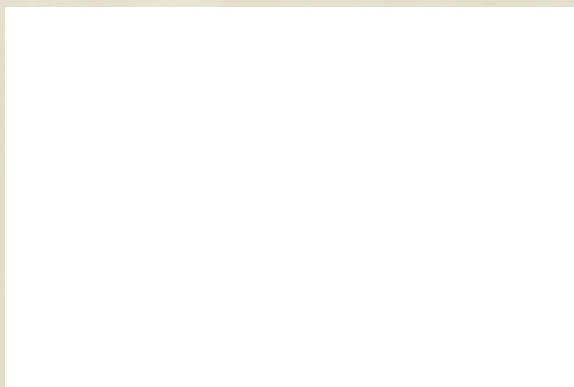
Consult factory for custom units including horizontal configurations and 3-phase separators.



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