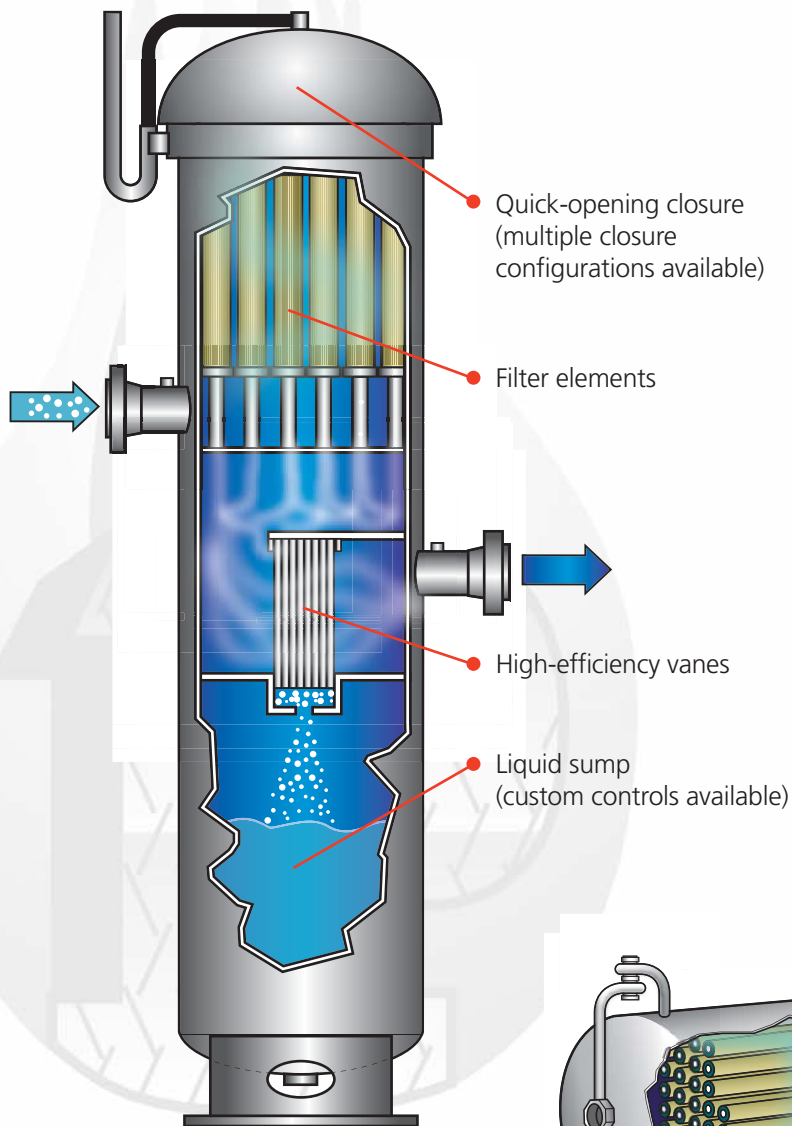


Peerless Filter Separators

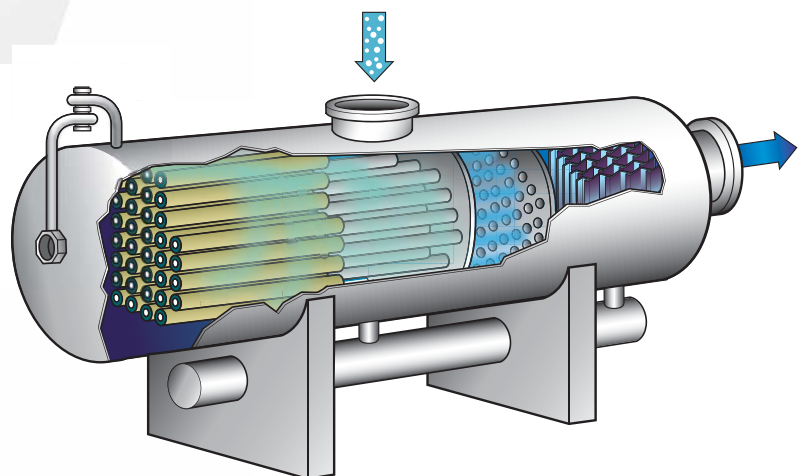


FOR HIGH-EFFICIENCY SEPARATION OF BOTH SOLID AND LIQUID CONTAMINANTS



VERTICAL FILTER SEPARATOR

For applications where space is limited



HORIZONTAL FILTER SEPARATOR

For applications requiring high liquid storage. Vertical and horizontal sumps available

PEERLESS PERFORMANCE FEATURES

Peerless Filter Separators provide economical, effective, highly efficient removal of solid and liquid particles from gas streams. This helps protect valuable mechanical equipment and optimise the efficiency of processes.

TYPICAL APPLICATIONS

- Gas distribution systems
- Compressor stations
- Pipelines
- Metering and regulation stations
- Natural gas plants
- Power plants
- Refineries
- Petrochemical plants
- Chemical plants

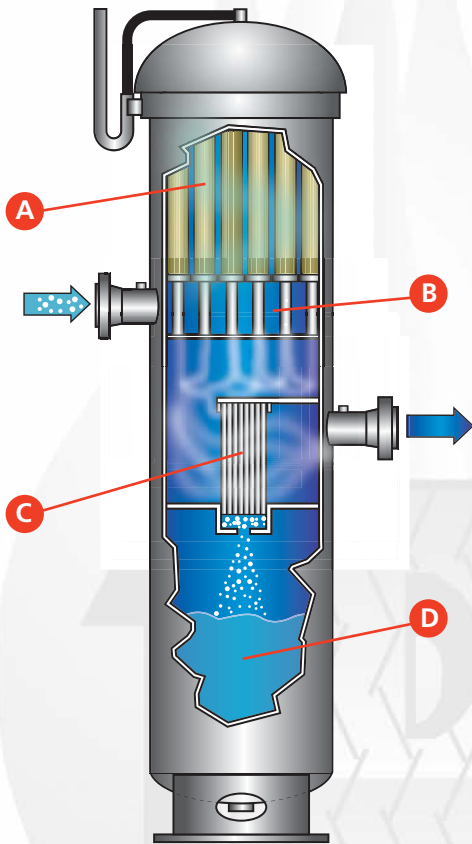
- Flexible designs
- Guaranteed performance
- Customised vessels and internals
- State-of-the-art testing

making energy safe, efficient and clean

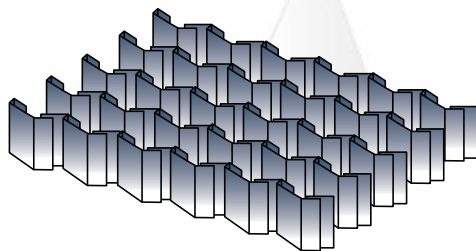
CONSULT A PEERLESS SPECIALIST FOR YOUR SEPARATION, RETROFIT, AND SPARES REQUIREMENTS

PRINCIPLE OF OPERATION

- (A) Incoming flow with entrained solids and liquids passes outside-in through the filter media where solids are removed and coalescing takes place. Bulk liquids are also removed in this first stage.
- (B) The gas then carries the coalesced liquids through the standpipe/ tubesheet.
- (C) Remaining liquids are directed to the high-efficiency vane mist extractor.
- (D) Liquids from the vane mist extractor are collected away from the gas stream.



Vertical Peerless Filter Separator configuration



Typical Peerless Vane Element

VANE MIST EXTRACTORS

Extensive Peerless engineering and testing has shown vane spacing, pocket depth, and sizing are critical to the capacity and efficiency of vane elements. Tight control of these parameters during fabrication ensures Peerless quality, an integral part of our vane performance.

CONFIGURATIONS

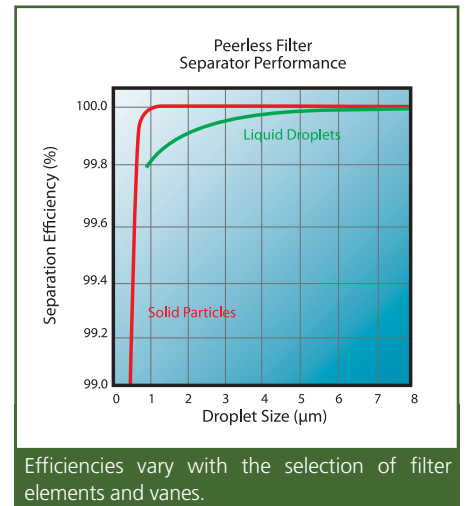
Peerless Filter Separators are available in vertical or horizontal, and single or double-barrel configurations. Access to the filter elements can be either full or reduced diameter and either bolted or quick opening closure designs.



This Peerless Filter Separator is installed at a compressor station in natural gas transmission service.

PERFORMANCE GUARANTEE

Peerless Filter Separators are guaranteed to remove 100% of all liquid droplets 8 microns and larger and remove 99% of those 0.5 to 8 microns in size. The minimum guaranteed solid particle removal is 100% of 3 micron and larger and 99% for those 0.5 to 1 micron in size.



Efficiencies vary with the selection of filter elements and vanes.

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BS EN ISO 9001:2000 Registered
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Registration Number 2627558