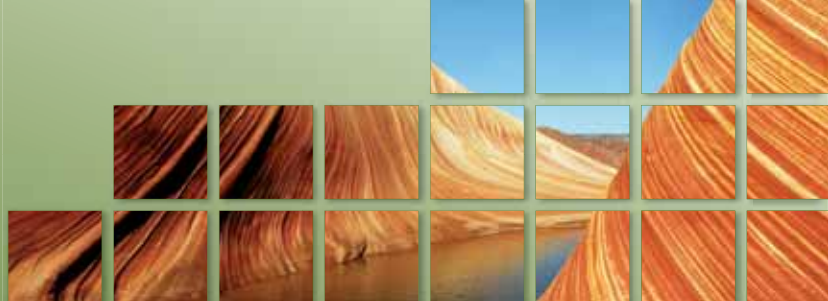
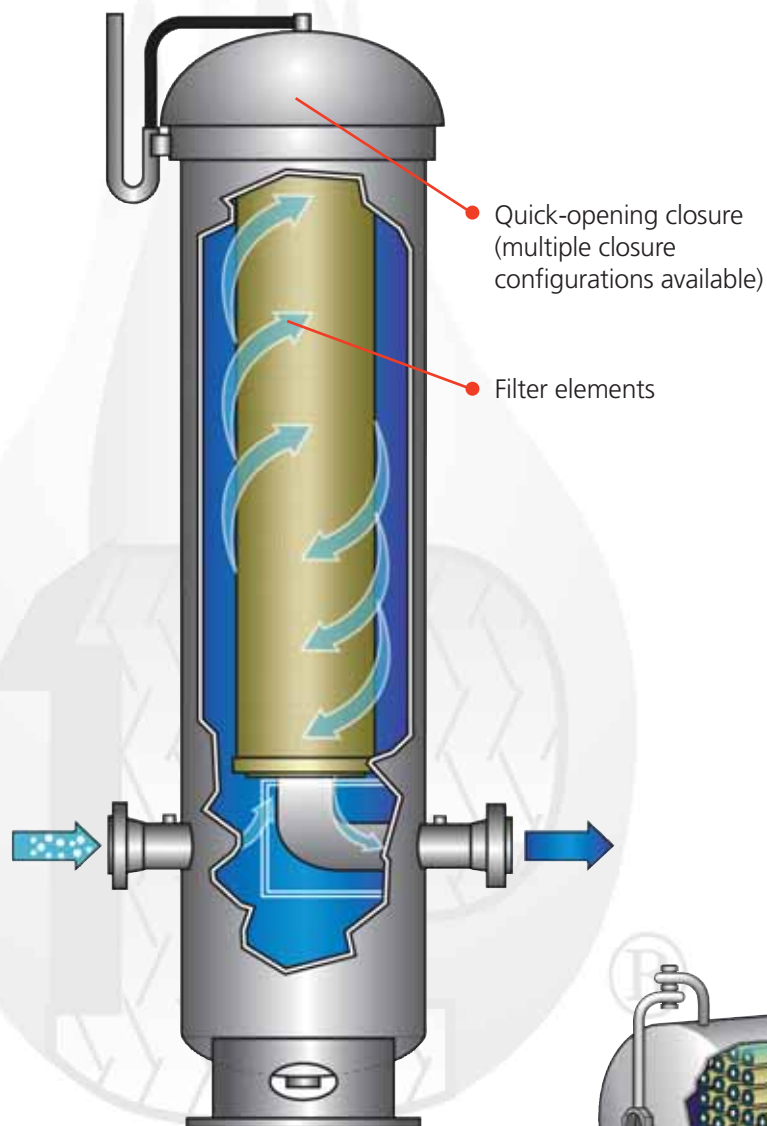


# Peerless Gas Filters



## FOR HIGH EFFICIENCY SEPARATION OF SOLID CONTAMINANTS



### IN-LINE GAS FILTERS

For applications requiring efficient  
dust removal

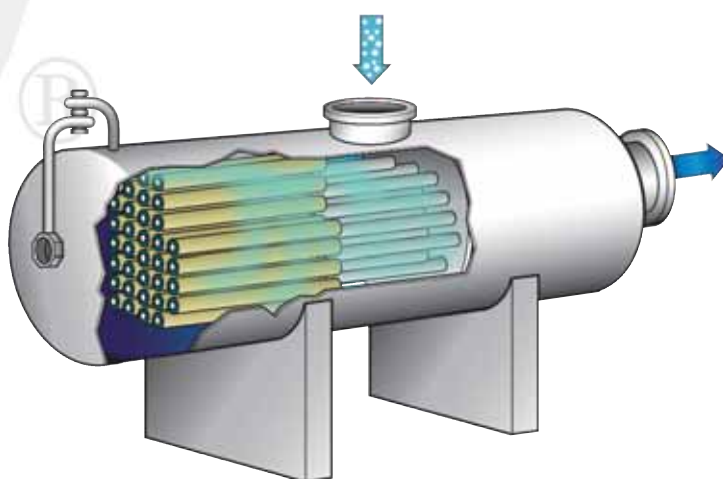
- Flexible designs
- Guaranteed performance
- Customised vessels and internals
- State-of-the-art testing

### PEERLESS PERFORMANCE FEATURES

The Peerless Gas Filters provide effective, efficient, and economical removal of solid particles from various types of gas streams.

### TYPICAL APPLICATIONS

- Pipeline stations
- Chemical plants
- Refineries
- Town border stations for distribution systems
- Various other industrial plants



### HORIZONTAL FILTER

For height-restricted applications

making energy safe, efficient and clean

## CONSULT A PEERLESS SPECIALIST FOR YOUR IN-LINE GAS FILTER REQUIREMENTS

### PRINCIPLE OF OPERATION

- (A) Contaminated gas enters the filter housing. Abrupt velocity change at the inlet chamber allows heavier rust, scale, and other pipeline particles to fall out of the gas stream – thus extending filter life.
- (B) Gas passes outside-in through the filter media where finer particles are trapped, therefore utilising the largest surface area.
- (C) Clean gas leaves the filter housing.

### FILTER CARTRIDGES

Peerless filter cartridges are made up of closely packed glass fibers with an outer knitted cotton sock. Each filter is stiffened by a perforated metal liner.

The cartridges are installed in the vessel around longitudinal metal rods that are welded to stand pipes in the vessel. Wingnuts are used to secure and seal each cartridge against its stand pipe.

### CONFIGURATIONS

Peerless Gas Filters are available in vertical or horizontal configurations. Access to the filter elements can be either full or reduced diameter and either bolted or quick opening closure designs.

### CARTRIDGE REPLACEMENT

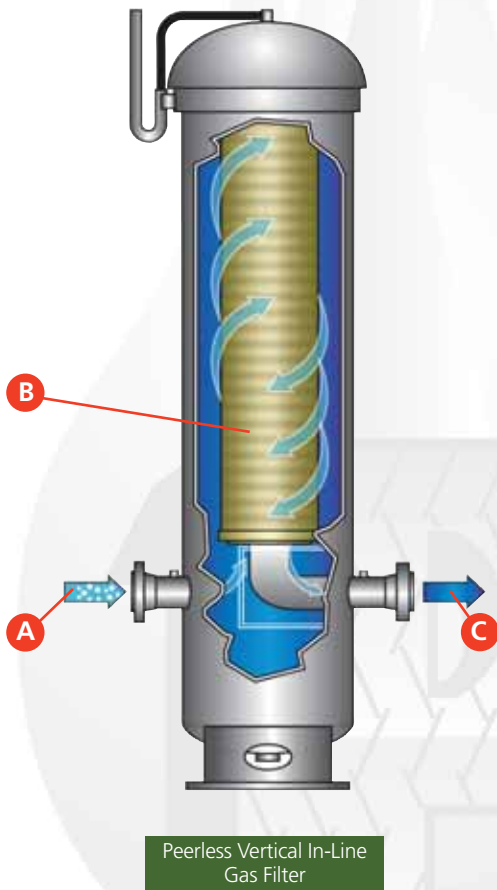
By design, Peerless Gas Filters can be serviced by one person. The filter cartridges are easily replaced. Cartridges and stand pipes are positioned well above the bottom of the vessel and clear of the accumulated solid particles. This will allow the removal of all material collected in the shell to be completed with minimal effort.

### OPTIONAL FEATURES

- Multiple filtration media types.
- Designs with a reduced or quick-opening closure.
- A Davit can be installed to facilitate easier removal of the closure head.
- Flexible inlet or outlet configurations.

### PERFORMANCE GUARANTEE

Peerless Gas Filters are guaranteed to remove 100% of all solid particles 3 or more microns in diameter, and 99% of all solid particles from 0.5 to 3 or more microns in diameter with standard cartridges. Cartridges are also available with a minimum guaranteed solid particle removal of 100% of 1 micron and larger and 99% for those 0.5 to 1 micron in size.



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