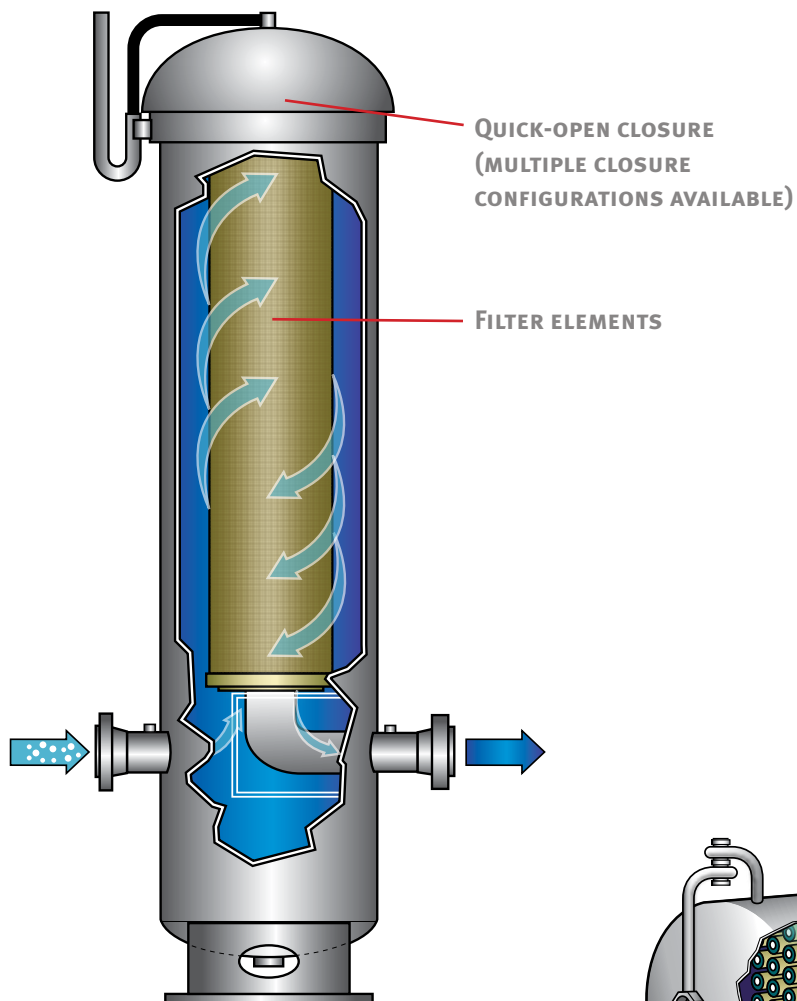


SEE WHAT PEERLESS CAN DO FOR YOU.

## FILTER SYSTEMS THAT SAVE WITH MAINTENANCE AND COST



### IN-LINE GAS FILTERS

FOR APPLICATIONS REQUIRING EFFICIENT  
DUST REMOVAL.

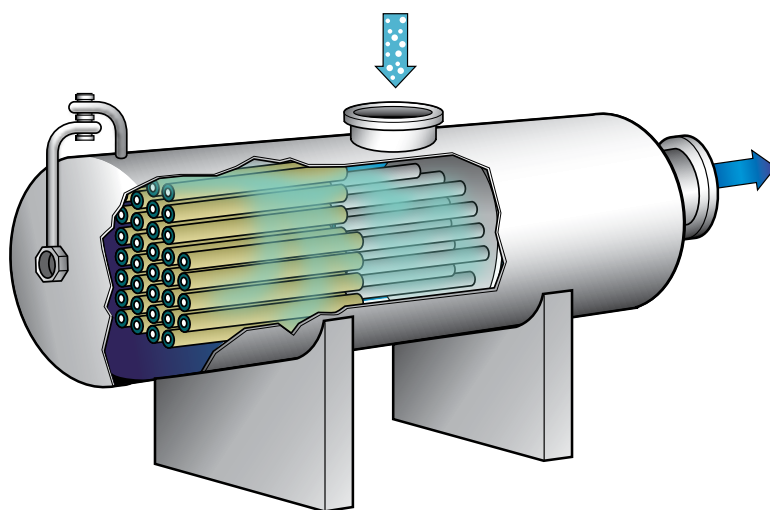
- FLEXIBLE DESIGNS
- GUARANTEED PERFORMANCE
- CUSTOM-SIZED VESSELS AND INTERNALS
- STATE-OF-THE-ART TESTING
- BUILT TO ASME CODE

### PEERLESS PERFORMANCE FEATURES

The Peerless Gas Filters provide effective, efficient, and economical removal of dust, dirt, scale, rust, and other solid foreign particles from different types of gas streams.

### TYPICAL APPLICATIONS:

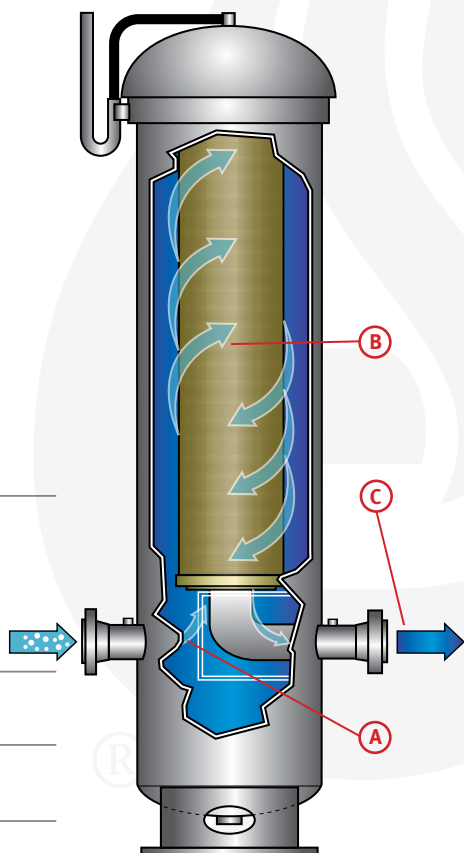
- PIPELINE STATIONS
- CHEMICAL PLANTS
- REFINERIES
- TOWN BORDER STATIONS FOR  
DISTRIBUTION SYSTEMS
- VARIOUS OTHER INDUSTRIAL PLANTS



### HORIZONTAL FILTER

FOR HEIGHT-RESTRICTED APPLICATIONS.

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



Vertical Peerless Gas Filter-Separator configuration

### PRINCIPLE OF OPERATION

- (A) Dirty gas enters the filter housing. Abrupt velocity change at 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.
- (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 Filter-Separators are available in vertical or horizontal, single-barrel configurations. Closures for access to the filter elements can be either full- or reduced- diameter, and bolted or quick-opening designs.

### CARTRIDGE REPLACEMENT

By design, Peerless Gas Filter-Separators 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 accumulated dirt. 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 Filter-Separators are guaranteed to remove 100% of all liquid droplets 8 microns and larger and remove 99.5% of those 0.5 to 8 microns in size. The minimum guaranteed solid particle removal is 100% of 1 micron and larger and 99.5% for those 0.5 to 1 micron in size.