



# INDUSTRIAL LIQUID FILTRATION PRODUCTS

FILTRATION & PROCESSING SOLUTIONS





## PENTAIR® INDUSTRIAL

Industrial filtration solutions are the sole focus at Pentair Industrial. Long known for quality filtration products, Pentair engineers and manufactures key filtration solutions for food and beverage, fuel, petrochemical, paints and inks, power generation, municipal, medical and pharmaceutical and other industrial market sectors.

From individual products to coordinated solutions, we combine inventive thinking, broad filtration expertise, and disciplined execution to address questions from the ground up – and across the comprehensive needs of clients. We tackle the toughest and most critical challenges with a problem-solving approach that considers not just how solutions work, but how they work together. Our professional team is dedicated to supporting and servicing your applications from order through installation and beyond.

At Pentair Industrial, quality is our top priority and the most important commitment to our customers. We employ lean manufacturing and strict quality controls to ensure our products are high quality and cost effective. Ongoing investment in process improvement and new technologies ensure that Pentair Industrial provides the innovative, cost effective and high quality solutions to our customers' filtration challenges.

## LIQUID FILTER BAG HOUSINGS

Pentair Liquid Bag Housings effectively remove dirt, pipe scale and other substances from process liquids. Our dependable, long-lasting steel housings are available in a variety of sizes and O-ring materials to accommodate your chemical compatibility, flow rate and pressure requirements.

### SINGLE LIQUID BAG HOUSINGS

- Flow rates up to 220 gpm (822 Lpm)
- Up to 500 psi (34.5 bar) pressure ratings
- Low pressure drop
- Quick-swing closure with eye nuts
- Carbon Steel, 304 and 316 Stainless Steel construction
- ASME Code U or UM



### MULTI-ROUND LIQUID BAG HOUSINGS

- Flow rates up to 3,500 gpm (13,249 Lpm)
- 2 to 24 basket housing design
- 150 psi to 3000 psi (10.3 to 206.8 bar) pressure ratings
- Low pressure drop
- Swing bolts with bearing-assisted davit closure
- Positive hold down welded to underside of closure lid
- Carbon Steel, 304 and 316 Stainless Steel construction
- ASME Code U



MAKE PENTAIR INDUSTRIAL  
YOUR SINGLE SOURCE FOR  
ALL YOUR FILTRATION NEEDS

- Liquid Filter Bag Housings
- Liquid Cartridge Housings
- Hydraulic Housings
- In-Line Strainers
- Filter Bags
- Filter Cartridges
- Hydraulic Cartridges
- Strainer Baskets
- Customized Filtration Solutions

# SPECIALTY HOUSINGS

Pentair offers a variety of filter housings to meet the specific needs for chemical compatibility, temperature and heavy sediment applications.

## POLYPROPYLENE

## HIGH TEMPERATURE

## ALL NATURAL POLYPROPYLENE

## CARBON AND STAINLESS STEEL



## IN-LINE STRAINER HOUSINGS

- Flow rates from 1 to 1,000 gpm (3.8-3,785 Lpm)
- High dirt load capacity
- Carbon Steel, 304 and 316 Stainless Steel construction



S44 to S88

## NEED A CUSTOMIZED SOLUTION?

Pentair® can design a unique filtration solution that fits your needs perfectly. Call 800-869-0325 to learn more.



# LIQUID FILTER BAGS

Pentair® Liquid Filter Bags offer economical filtration for a wide array of applications. Our highly controlled manufacturing procedures ensure consistent quality and contamination free products. Call 800-869-0325 for more information.

## LIQUID FILTER BAGS

- Unique bag designs provide added strength and avoid risk of bypass
- Wide array of media fibers to meet needed temperature and micron specifications
- 1 to 1500 micron rating
- Multi-layered filtering capabilities for higher dirt-holding capacity for fewer change-outs
- Silicone free
- Easy to install and replace
- Fit all industry-standard liquid bag housings



## MAXIMUM HIGH PERFORMANCE FILTER BAGS

- 96 to 99% efficiency at 2 to 35 microns or greater (depending on model)
- Maximum dirt loading with low initial pressure drop
- Multi-layer graded density depth filtration for maximum efficiency rating
- Silicone free
- Fits any standard metal ring #2 size housing



MHP SERIES

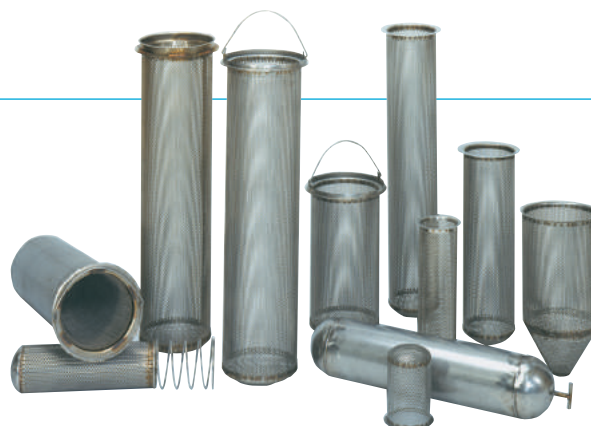
## PLEATED SERIES FILTER BAGS

- More than four times the surface area of standard filter bags
- Polypropylene or polyester felt media, ultrasonic welded construction
- Fully supported pleats
- Silicone free
- Positive sealing flange designs
- Silicone free
- Available medias range from 1 to 200 microns



## STRAINER BASKETS

- Available for liquid bag housing and in-line strainer housings
- 304 and 316 Stainless Steel construction
- Strainer, mesh lined and pleated styles
- Safe-edge interior for easy bag removal

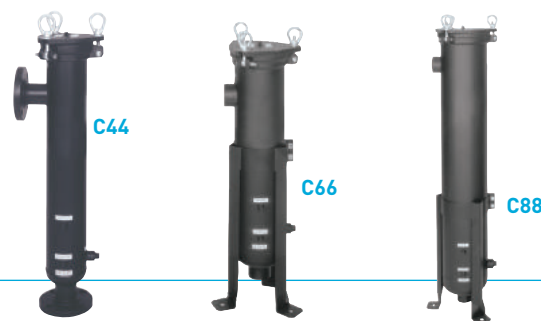


# LIQUID CARTRIDGE FILTER HOUSINGS

Pentair® Liquid Cartridge Housings effectively remove substances from a wide variety of process liquids. Our rugged, long-lasting steel housings provide the versatility of choosing cartridges needed to accommodate your flow rates, chemical compatibility and particle retention requirements. Pentair can design a unique filtration solution that fits your needs perfectly. Call 800-869-0325 to learn more.

## SERIES C44, C66 TO C88 LIQUID CARTRIDGE HOUSINGS

- Flow rates from 20 to 120 gpm (75.7 to 457 Lpm)
- 150 psi (10.3 bar) pressure ratings
- Carbon Steel, 304 and 316 Stainless Steel construction
- 1-6 round
- ASME Code U or UM



## MULTI-ROUND LIQUID CARTRIDGE HOUSINGS

- Flow rates from 120 to 4,100 gpm (454 to 15,520 Lpm)
- Capacity of 11 to 205 liquid cartridges
- Bearing assisted davit assemblies with optional hydraulic lid lift assembly
- ASME Code U or UM



## HYDRAULIC CARTRIDGE HOUSINGS

- Designed specifically to remove particulates from oils, fuels and industrial process fluids
- Single round flow rates to 120 gpm (454 Lpm)
- Multi-round flow rates from 360 to 4,500 gpm (1,363 to 17,304 Lpm)
- 150 psi (10.3 bar) pressure ratings
- Carbon Steel, 304 and 316 Stainless Steel construction
- Multi-round housings feature bearing assisted davit assembly
- ASME Code U or UM



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CUSTOMIZED  
SOLUTION?

Pentair® can design a unique filtration solution that fits your needs perfectly. Call 800-869-0325 to learn more.

# LIQUID FILTER CARTRIDGES

Pentair® Filter Cartridges provide superior loading and adsorption, as well as broad chemical compatibility. And we'll gladly develop customized solutions for unique filtration challenges. Call us today at 800-869-0325 to get started.

## VERSAFLEX® GRADIENT DENSITY FILTER CARTRIDGES

- 100% polypropylene construction for superior chemical purity and chemical compatibility
- Up to three times the dirt holding capacity of similar sized sediment cartridges
- Gradient density from outer to inner surface
- Meltblown, spun bonded and high efficiency models
- 9.75" to 40" lengths (248mm to 1,016mm)



## PENTAFLEX™ ABSOLUTE PES MEMBRANE FILTER CARTRIDGES

Polypropylene and polysulfone design meets the specialized needs of the food and beverage, electronics, pharmaceutical, and high purity chemical industries

- 0.1 to 0.8 absolute micron ratings
- Highly asymmetric membrane for full particle retention
- High flow rates with extended cartridge life
- 10" to 40" lengths (254mm to 1,016mm)



## TEFLEX™ ABSOLUTE PTFE MEMBRANE FILTER CARTRIDGES

- Polypropylene/polytetrafluoroethylene construction suitable for general purpose and high purity applications
- 0.1 to 0.8 absolute micron ratings
- PTFE membrane for full particle retention
- 10" to 40" lengths (254mm to 1,016mm)



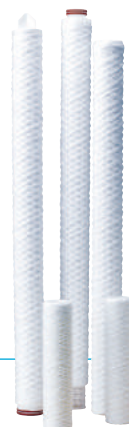
## PLEATED CELLULOSE FILTER CARTRIDGES – CELLFLEX™, COREFLEX™, PROFLEX™

- Unique combinations of materials provide efficient filtration at an economical price
- Pleated designs maximize dirt-holding capacity
- 4.8" to 40" lengths (122mm to 1,016mm)



### STRINGFLEX™ WOUND DEPTH FILTER CARTRIDGES

- Wide variety of filter media and core materials to provide broad chemical compatibility
- Suitable for low to high temperature applications (up to 750°F (399°C))
- FDA-listed materials available
- 9.75" to 40" in length (248mm to 1,016mm)



## SPECIALTY LIQUID FILTER CARTRIDGES

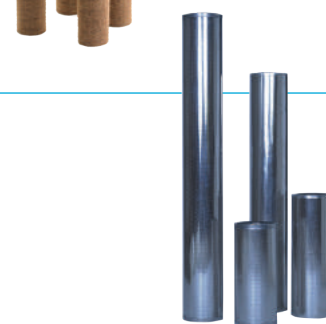
### STEELEX™ STAINLESS STEEL FILTER CARTRIDGES

- Withstands differential pressures up to 60 psi (4.1 bar) (higher available upon request)
- High temp operation up to 500°F (260°C)
- Cleanable and reusable
- 9.75" to 40" in length (248mm to 1,016mm)



### RESFLEX™ RESIN BONDED FILTER CARTRIDGES

- Proprietary two-stage filtration design to maximize particle removal and service life in viscous fluid applications
- Withstands pressure surges up to 150 psi (10.3 bar)
- 5 gpm (18.9 Lpm) flow rate per 10-inch (254mm) length
- 9.75" to 40" in length (248mm to 1,016mm)



### HYDRAULIC FILTER CARTRIDGES

- Particulate and water adsorbent media specifically for hydraulic fluid applications
- Flow rate of 60 gpm (227 Lpm) at 150 SSU/1 PSID per 18" (457mm) length
- Available from 1-100 micron ratings

### CARBON/ACTIVATED CARTRIDGES

- Electroplating
- Water purification
- Oil adsorption to proprietary media



## **PENTAIR® INDUSTRIAL – FILTRATION EXPERTISE WHEN YOU NEED IT**

**From high purity to heavy duty, Pentair Industrial has the knowledge, products and manufacturing capabilities to provide your next filtration solution. Contact us today to learn how.**



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