Universal & Compact Multi-Chamber Filter Housings

White Knight dual- and quad-chamber filter housings fit standard filter cartridges offered by major suppliers. They provide high-flow performance, and reliable sealing that can be tightened after initial compression loads. These compact filter housings eliminate additional plumbing and welding, and offer various fitting options.

Advanced Technologies

- Fits major filter cartridges
- Reliable double O-ring seals
- Compact layouts reduce footprint
- Adjustable seals
- Eliminates additional plumbing and welding
- Various fitting options
- Low pressure drop
- Easy to install
- Greater filtration surface area with up to 3.2-in diameter filters

Features & Benefits

- Compatible with major filter cartridges
- Nonmetal PTFE/PFA liquid paths
- Compact layouts with configurable fitting locations, sizes and types
- Filters in parallel or series operation
- Up to 3.2-in filter diameters for greater filtration surface area
- Eliminates leak paths and the need to plumb or weld many housings together to reduce costs, save time, and save valuable space.
- Easy to configure, install and service
- Compact, durable design with minimal parts
- Leak-free dual-static crush seals
- Low pressure drop (1-in flow path)
- Max pressure at 25°C is 7 Bar, 100 psi
  Max pressure at 100°C is 3 Bar, 45 psi

Why White Knight?

Our PTFE/PFA filter housing fits all standard filter cartridges and sizes offered by major suppliers. They have port options on the front, back, sides, and bottom/top. They include inlet and outlet fittings, vent and drains. Their unique design provides greater surface area and eliminates leak paths and the need to plumb or weld multiple housings together. This reduces costs, saves time, and may reduce footprint by 50%. Dual-static crush seals maintain pressure and prevent leaks, which improves reliability, and eliminates costly downtime and expensive cleanup.

https://wkfluidhandling.com/fha/
Dual-Chamber Parallel (FHA-02-P)
Fluid goes through all chambers simultaneously greatly reducing pressure drop.

FHA-02-P Dimensions
Dimensions in [mm] inches

Compare to traditional filter housings

FHA-02
Traditional 2-Chamber Parallel Filter Housing

Wrench Tighten

Traditional Parallel Housing
Dimensions for Comparison

https://wkfluidhandling.com/fha/
Quad-Chamber Parallel (FHA-04-P)
Fluid goes through all chambers simultaneously greatly reducing pressure drop.

FHA-04-P Dimensions
Dimensions in [mm] inches

Compare to traditional filter housings

Housing Dimensions for Comparison

https://wkfluidhandling.com/fha/
Dual-Chamber Series/In-Line (FHA-02-S)
Fluid goes through first chamber and then through an additional chamber, which increases filtration and reduces pressure drop.

FHA-02-S Dimensions
Dimensions in [mm] inches

Compare to traditional filter housings

FHA-02
Two Traditional Housings in Series

Traditional In-Line Housing Dimensions for Comparison

https://wkfluidhandling.com/fha/
Quad-Chamber Series/In-Line (FHA-02-S)

Fluid flows through first two chambers and then through the next two chambers, which increases filtration and reduces pressure drop.

4-Chamber Series Filter Housing

FHA-04-S Dimensions

Dimensions in [mm] inches

Traditional In-Line Housing Dimensions for Comparison

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