

High-Purity Compact Multi-Chamber Filter Housings

FHA Series dual-chamber and quad-chamber filter housings fit standard filter cartridges from major suppliers. They provide high flows in PTFE/PFA fluid paths with reliable dual-static crush seals that can be retightened. These compact filter housings eliminate additional plumbing and welding, and offer various fitting options.

Advanced Technologies

Compatible with Code 0 filters

Reliable double O-ring seals

Compact layouts
reduce footprint

Adjustable seals

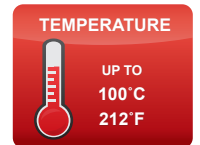
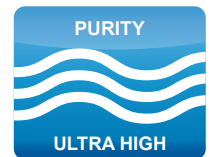
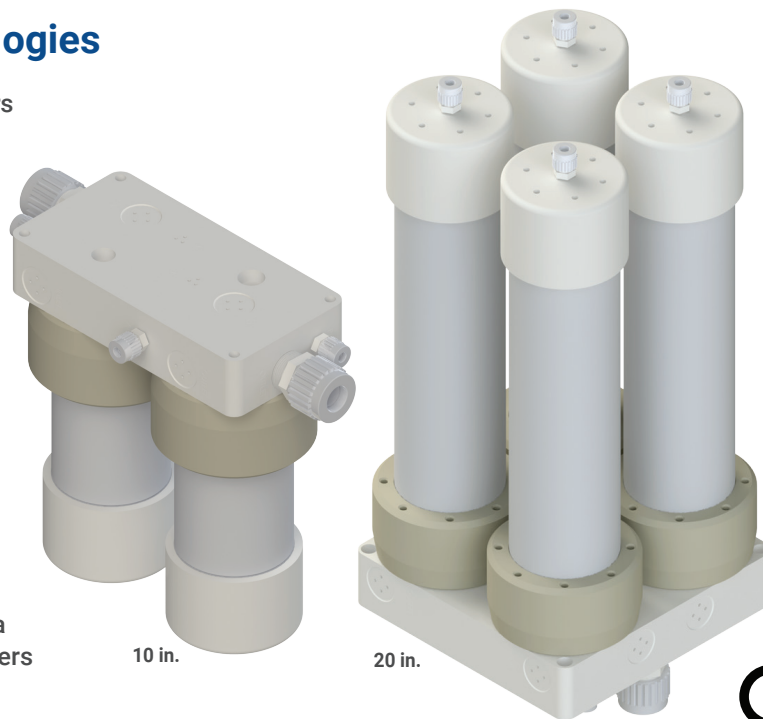
Eliminates additional
plumbing and welding

Various fitting options

Low pressure drop

Easy to install

Greater filtration surface area
with up to 3.2-in diameter filters

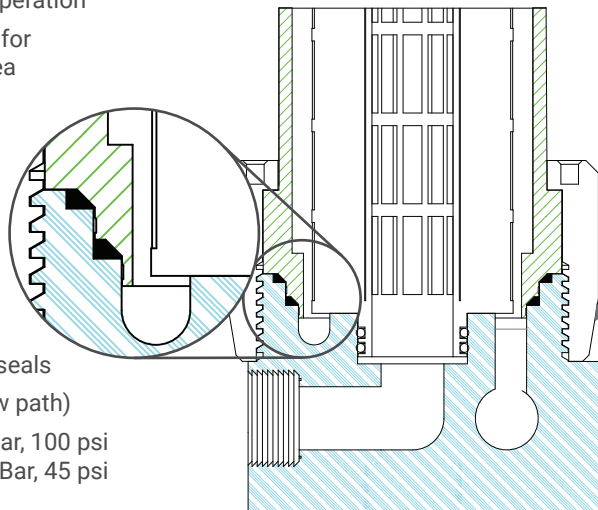


Features & Benefits

- Compatible with Code 0 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
- Eliminate welds and excess plumbing to reduce costs, save time, save space, and remove leak points
- 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

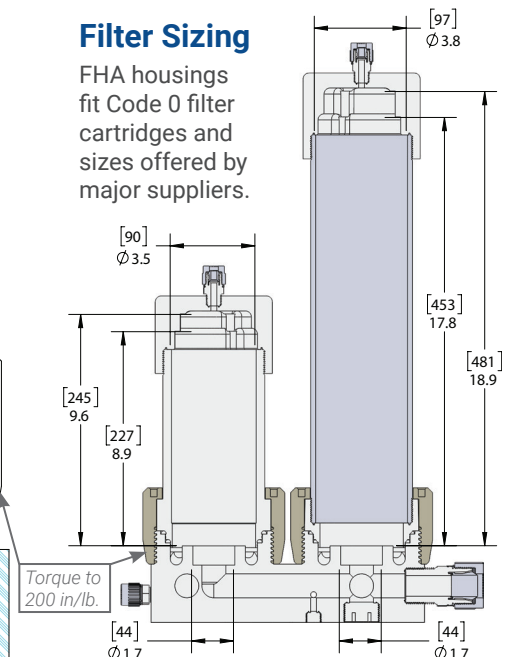
Dual-Static Crush Seal

Two O-rings in an angled load system ensure reliable seals to prevent leaks. Sealing pressure can be adjusted beyond initial compression loads.



Filter Sizing

FHA housings fit Code 0 filter cartridges and sizes offered by major suppliers.

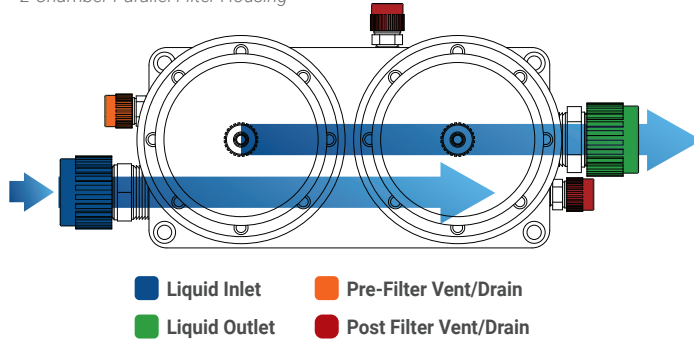


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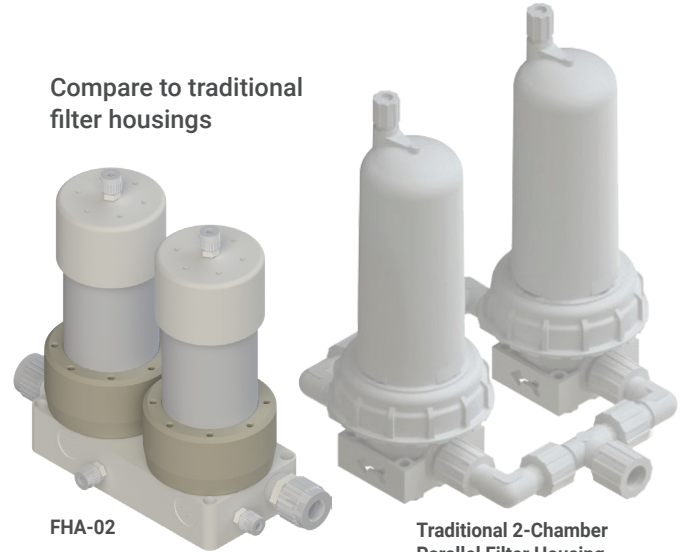
Dual-Chamber Parallel (FHA-02-P)

Fluid goes through all chambers simultaneously greatly reducing pressure drop.

2-Chamber Parallel Filter Housing

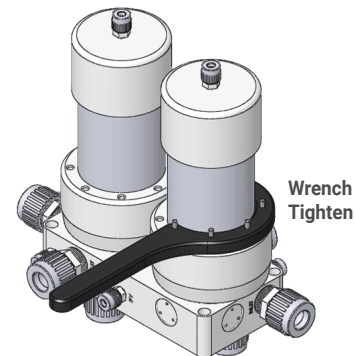
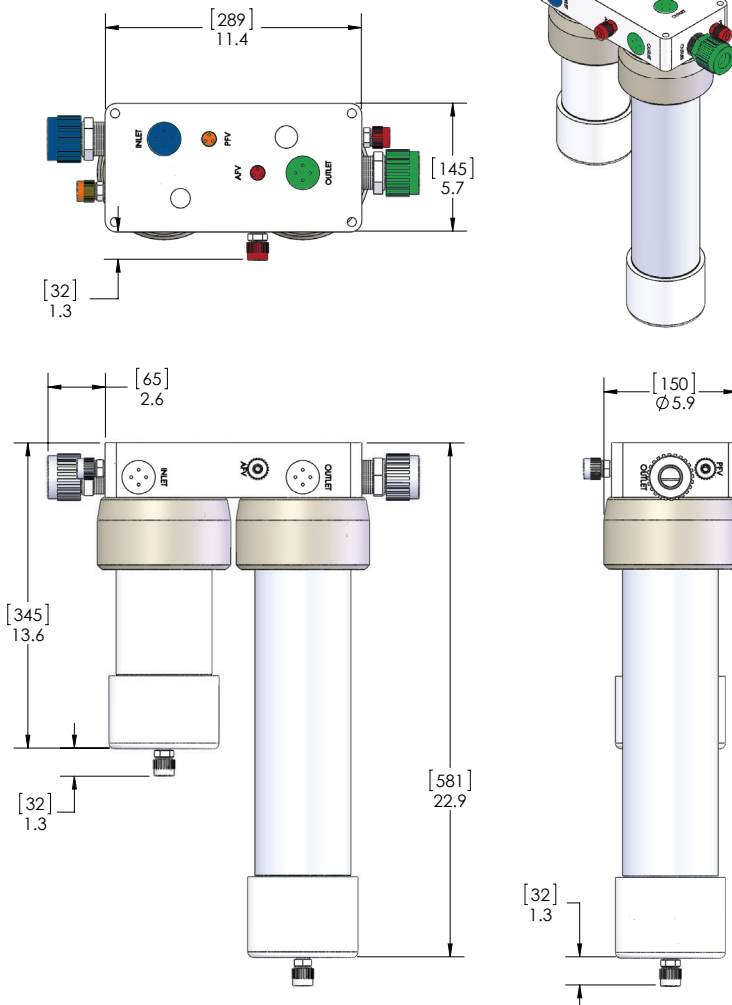


Compare to traditional filter housings

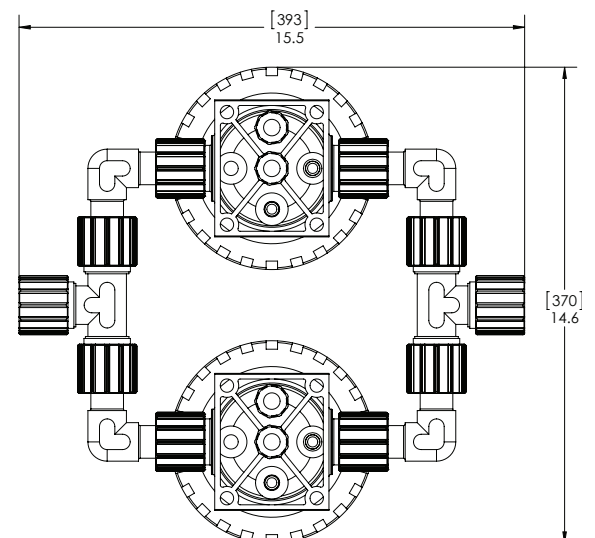


FHA-02-P Dimensions

Dimensions in [mm] inches



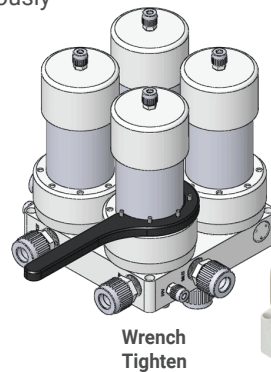
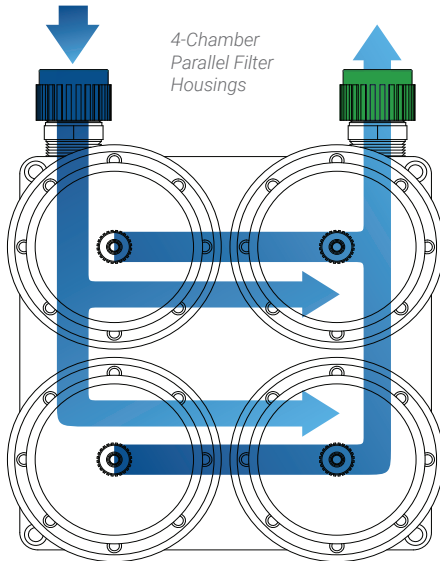
Traditional Parallel Housing Dimensions for Comparison



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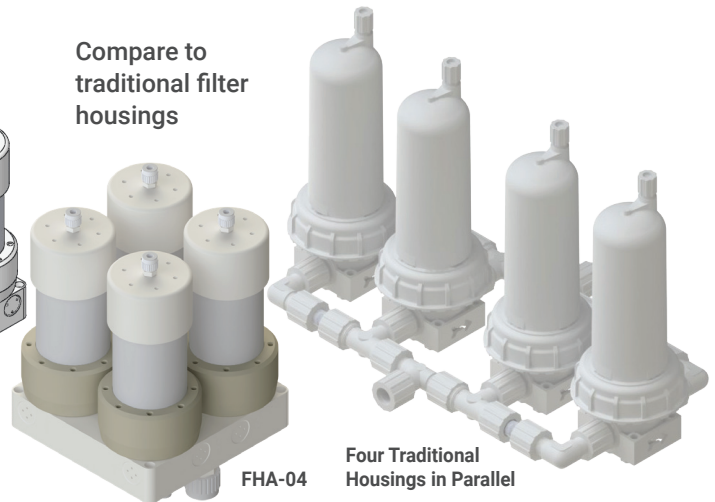
Quad-Chamber Parallel (FHA-04-P)

Fluid goes through all chambers simultaneously greatly reducing pressure drop.



- Liquid Inlet
- Liquid Outlet
- Pre-Filter Vent/Drain
- Post Filter Vent/Drain

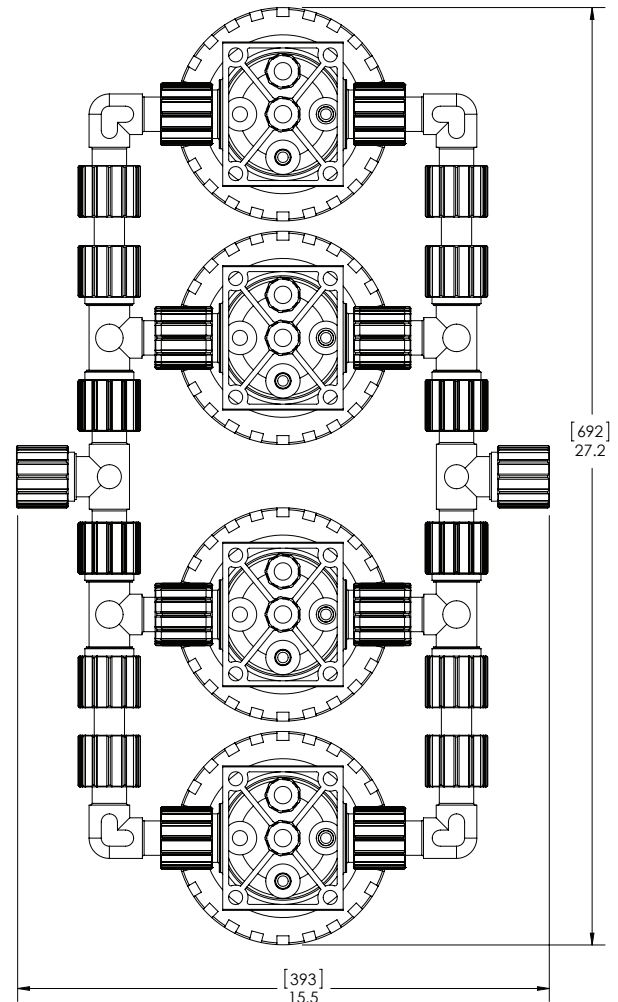
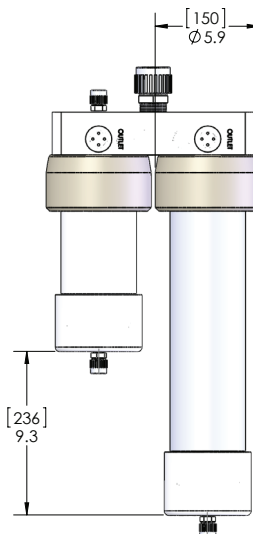
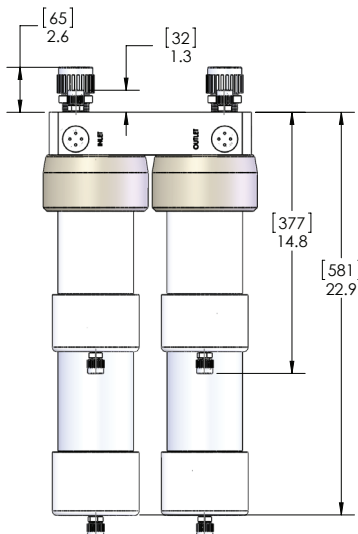
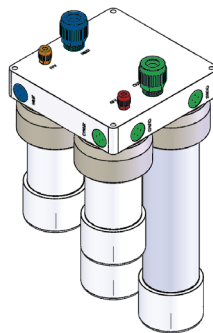
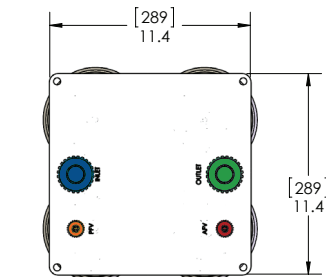
Compare to traditional filter housings



Traditional Parallel Housing Dimensions for Comparison

FHA-04-P Dimensions

Dimensions in [mm] inches



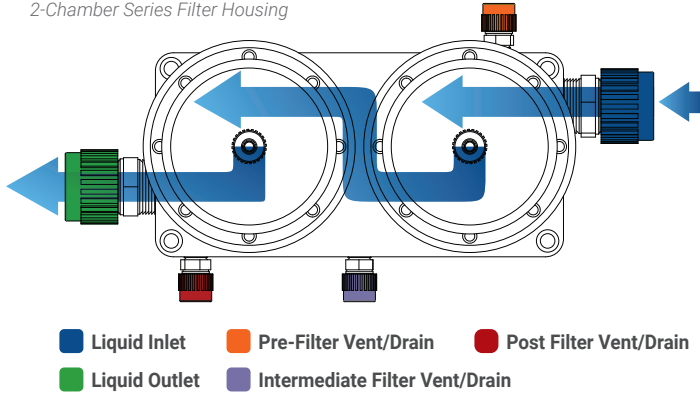
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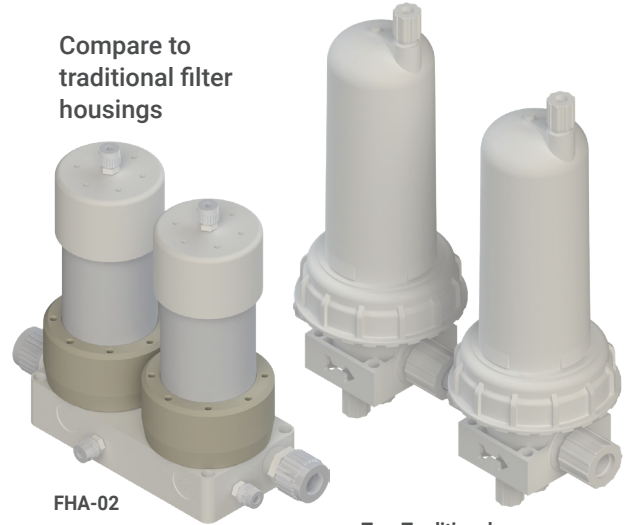
Dual-Chamber Series/In-Line (FHA-02-S)

Fluid goes through first chamber and then through an additional chamber, which increases filtration and reduces pressure drop.

2-Chamber Series Filter Housing

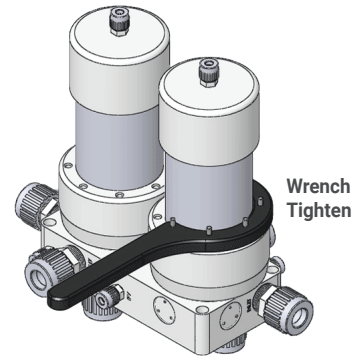
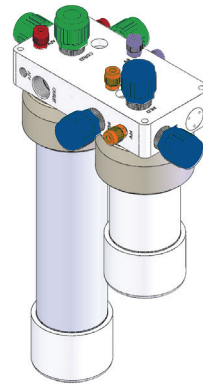
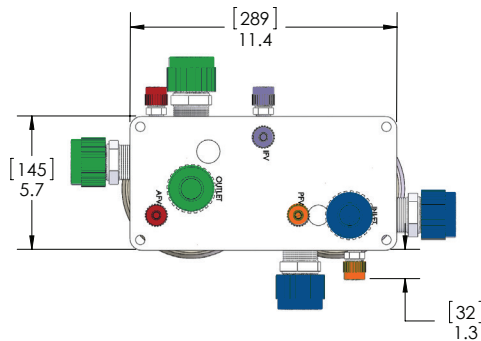


Compare to traditional filter housings

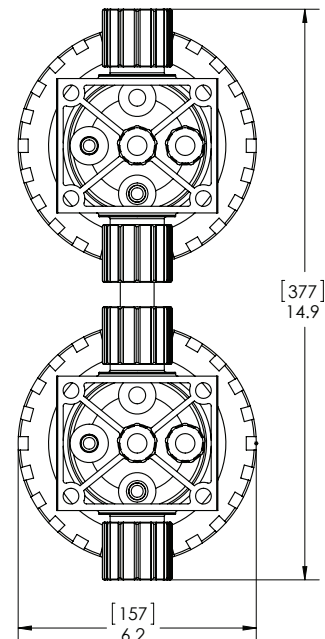
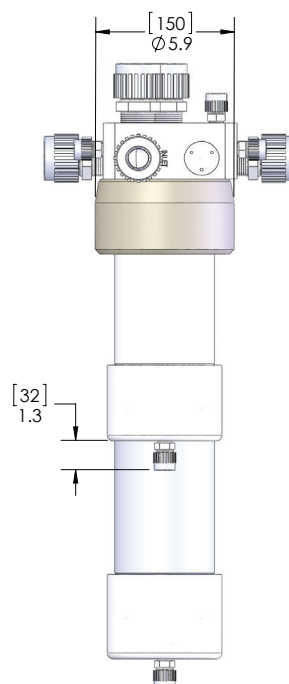
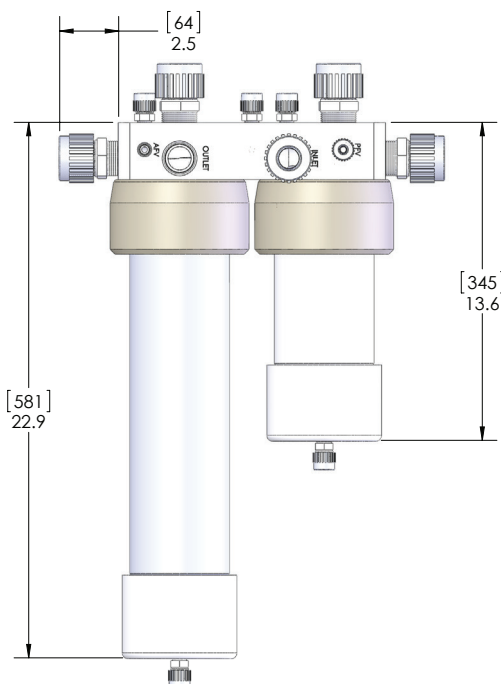


FHA-02-S Dimensions

Dimensions in [mm] inches



Traditional In-Line Housing Dimensions for Comparison



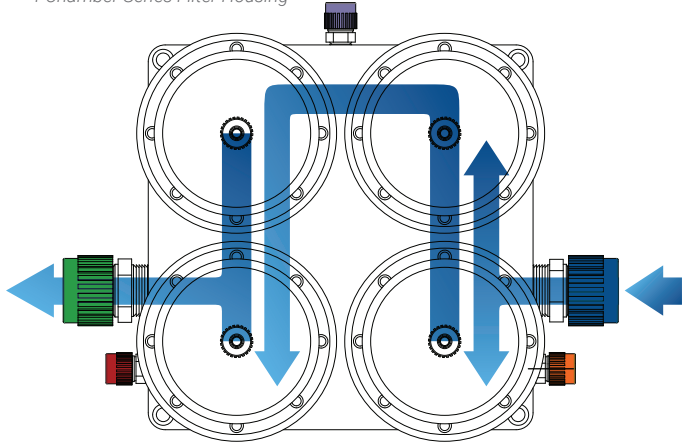
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Quad-Chamber Series/In-Line (FHA-02-S)

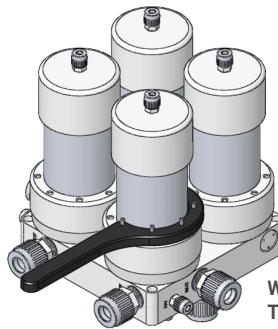
Fluid flows through first two chambers and then through the next two chambers, which increases filtration and reduces pressure drop.

4-Chamber Series Filter Housing



- Liquid Inlet ■ Pre-Filter Vent/Drain ■ Post Filter Vent/Drain
- Liquid Outlet ■ Intermediate Filter Vent/Drain

FHA-04



Wrench
Tighten

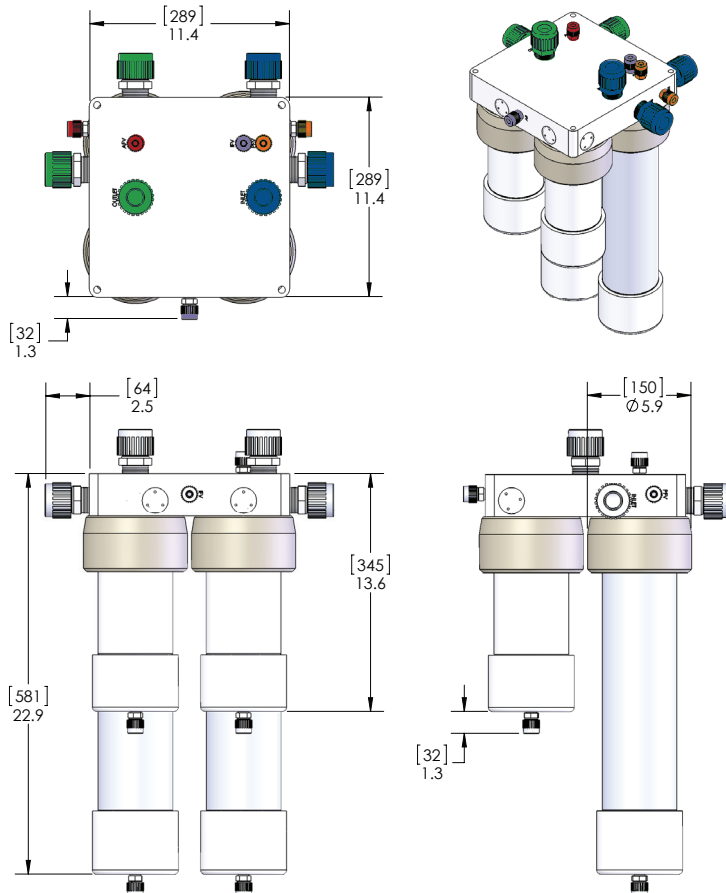
Compare to traditional
filter housings



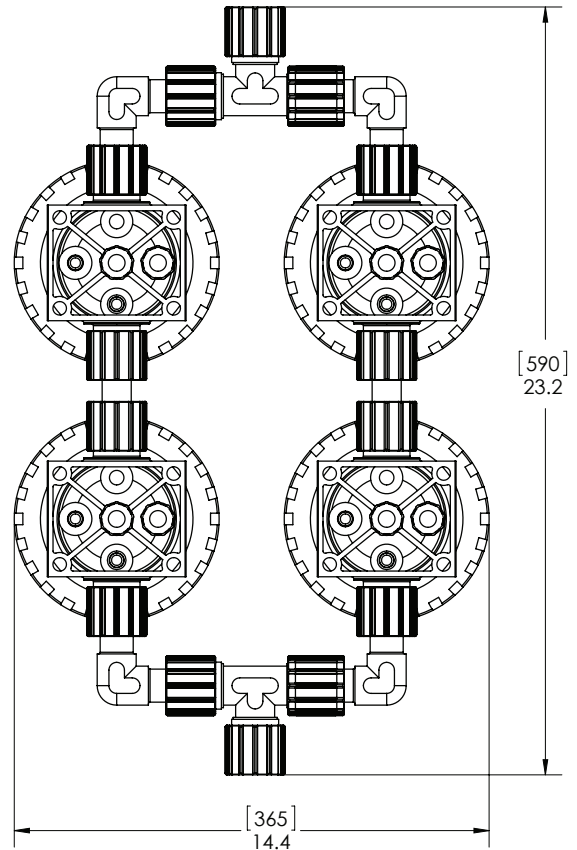
Four Traditional
Housings in Series

FHA-04-S Dimensions

Dimensions in [mm] inches



Traditional In-Line Housing Dimensions for Comparison



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