

## CUNO High Flow Filtration Systems



The 10" CUNO High Flow System is ideally suited for applications where convenience and ease of use are priorities. The system uses 3M Innovation and CUNO's extensive filtration experience to enable flow rates up to 85 gpm in a single cartridge. The patent pending Compound Radial Pleat design packs significantly higher usable surface areas per unit volume than can be achieved with conventional pleated cartridge filters.

Features such as an ergonomically designed handle and a unique "twist-to-lock" seating mechanism facilitate easy operation and maintenance of the filter system. The system is particularly suitable for many OEM applications.

### Materials Of Construction

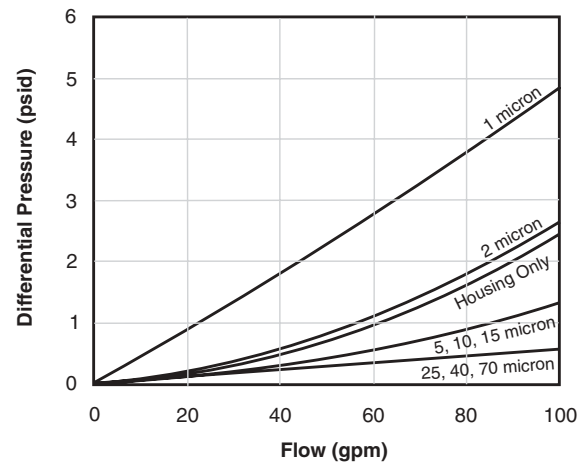
Each grade of the CUNO High Flow Filter is manufactured from meltblown FDA compliant polypropylene microfiber media, providing high particle removal efficiency with broad chemical compatibility.

No adhesives, binders, surfactants, or lubricants are used in the manufacturing process.

### Operating Conditions

Maximum Operating Temperature	160°F (71°C)
Maximum Forward Differential Pressure	50 psid @ 68°F (3.4 bar @ 20°C)
Recommended Changeout Pressure	35 psid @ 68°F (2.4 bar @ 20°C)

### Typical Housing and Cartridge Flow Rates



### Features

- High flow capability of up to 85 gpm per cartridge
- Patent Pending Compound Radial Pleat design
- Compact design
- Absolute rating
- Easy to Use
- FDA compliant

### Benefits

- Reduced filter usage – minimizes product loss, labor, disposal costs, operator exposure, and downtime for filter change-out
- High loading capacity for long life and lower cost filtration
- Smaller housing minimizes capital expense requirements
- Reduces system footprint
- Reproducible effluent quality throughout the filter's life
- No special tools or hardware required for filter change-out – minimizes downtime
- "Twist-to-lock" seating mechanism provides positive
- Ergonomically designed handle – facilitates easy cartridge installation and removal
- Suitable for wide range of food and beverage applications

## 10" Cuno High Flow Housing

The 10" CUNO High Flow Housing is specifically designed to deliver all of the system's benefits in a compact footprint. The housing is designed, manufactured, tested, and code stamped in accordance with ASME Section VIII, Division 1. Vessel construction is 304 stainless steel with a glass-bead finish.

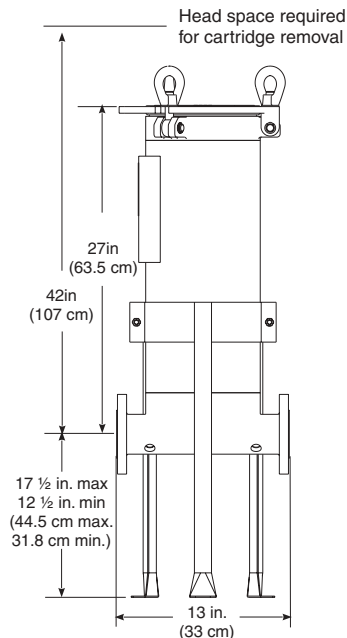
Housing Specification	
Model	1HF10V
Outside Diameter	8 5/8
Number of Filter Elements	1 - 10" Element
Material	304 Stainless Steel
Connection size (inches)	2
Drain Size Inches (NPT)	1/2
Vent or Gauge Size Inches (NPT)	1/4
Approximate Housing Weight (lbs. / kgs)	150 lbs

## 10" CUNO High Flow ASME Code Housing Ordering Guide

Filter Elements	Model	Size	Configuration	Housing Material	Gasket Material
1	HF	10 - 10 in.	V - Vertical	B - 304 SS	GA - Silicone
					GB - Fluorocarbon
					GC - EPR
					GD - Nitrile

## CUNO High Flow Housing Dimensions

Dimensions are for overall space requirements only. For all other uses, request a certified drawing



## High Flow 10 Inch Cartridge Ordering Guide

Filter Designation	Element Length (inches)	Material	Absolute Removal Rating (Microns)	O-Ring	Packaging Options (per box)
HF - High Flow	10 - 10 in.	PP - Polypropylene	001 - 1 μm 002 - 2 μm 005 - 5 μm 010 - 10 μm 015 - 15 μm 025 - 25 μm 040 - 40 μm 070 - 70 μm	A - Silicone B - Fluorocarbon C - EPR D - Nitrile	01 - 1 pack

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