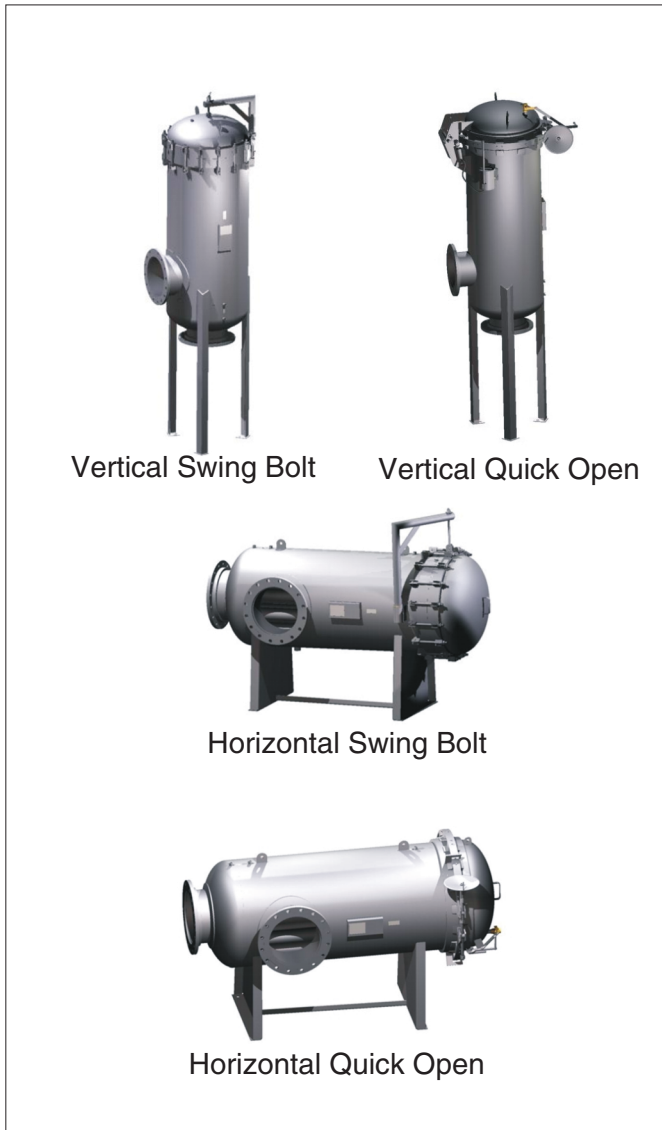
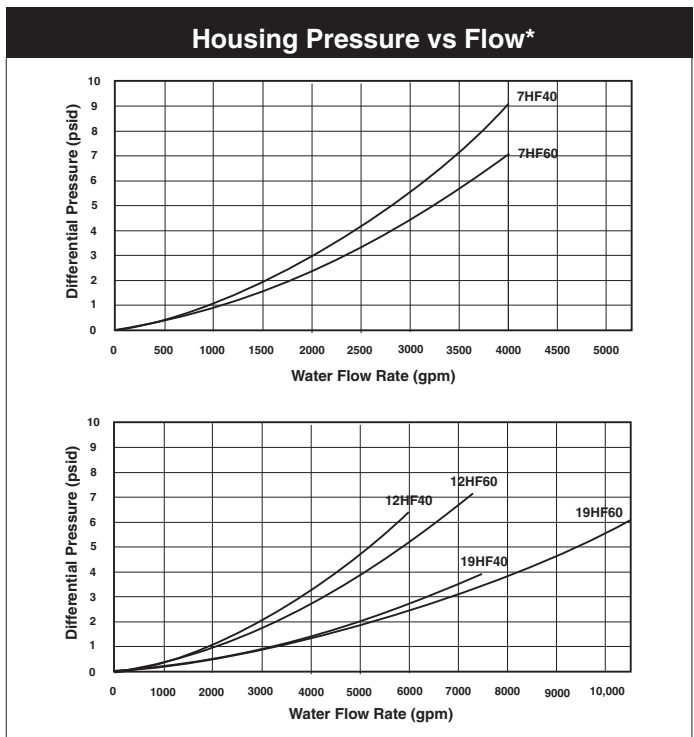


CUNO High Flow Filtration Systems



CUNO offers High Flow housings able to handle flow rates from 2450 to 9500 gpm through a single housing. These larger housings are available in carbon steel, 304 stainless, and 316L stainless steel. For flow rates below 2450 gpm, refer to CUNO literature LITCHF1.

A Quick Open and Close mechanism is available as an option for the 316L stainless steel 7HF, 12HF, and 19HF housings, in both horizontal and vertical configurations, to allow even easier cartridge change-outs.



* Pressure drop for standard housings without filters installed.

Features	
Horizontal	Vertical
■ ASME Code design	
■ Robust cartridge center-post design eliminates bulky support plates providing easy access to housing internals	■ User-friendly cover lifting device for easy element change-outs
■ Hinged cover for easy element change-outs	■ User-friendly cover lifting device for easy element change-outs
■ Handles liquid at pressures and temperatures of up to 150 psig and 250°F	
■ Manufactured from carbon steel, 304, or 316L stainless steel for excellent corrosion protection.	
■ Available for 40" and 60" element lengths	■ Available for 40" element lengths
■ Upstream and downstream gauge ports and drains	
Options	
■ Corrosion allowance for carbon steel housing – consult factory	
■ Choice of inlet/outlet flange size	

CUNO High Flow Housing Specifications

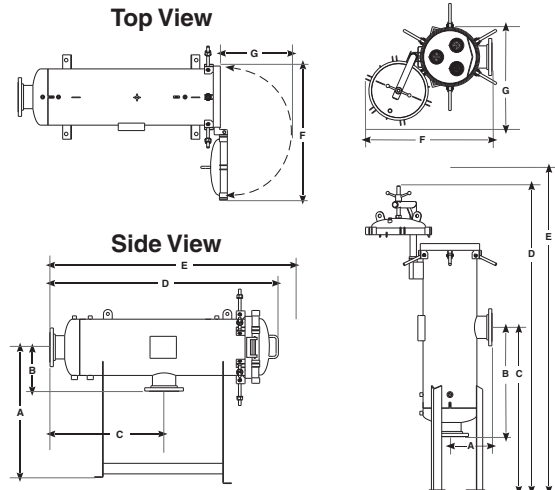
Model	Outside Diameter (Inches)	Number of Filter Elements	Material	Connection size (inches)	Drain Size Inches (NPT)	Vent/Gauge Size Inches (NPT)	Maximum flow (gpm/lpm)*	Maximum Operating Pressure & Temperature	Approximate Housing Weight (lbs. / kgs)	
									Swing Bolt Closure	Quick Open/Close
7HF40VQ	24	7	Carbon Steel, 304, or 316L Stainless Steel	10	1 1/2	1/2	2450 / 9274	150 psi @250°F (10 bar @121 °C)	See LITCHF1 for standard model	1350 / 612
7HF40HQ	24	7		10			2450 / 9274			1500 / 680
7HF60HQ	24	7		12			3500 / 13249			1700 / 771
12HF40V(Q)	30	12		14			4200 / 15898			1900 / 862
19HF40V(Q)	36	19		18			6650 / 25173			3100 / 1406
12HF40H(Q)	30	12		14			4200 / 15898			2200 / 998
12HF60H(Q)	30	12		16			6000 / 22712			2400 / 1089
19HF40H(Q)	36	19		18			6650 / 25173			3100 / 1406
19HF60H(Q)	36	19		20			9500 / 35961			3300 / 1497

* When determining vessel flow rates, the type of filter element to be used needs to be taken into account. The total filtration system pressure drop is the sum of the housing and filter element pressure drops.

CUNO High Flow Housing Dimensions (inches)*

Housing Model	Dimensions (inches)						
	A	B	C	D	E	F	G
7HF40VQ	16 1/2	22 3/4	54	120	156	N/A	NA
7HF40HQ	47 1/2	16 1/2	22 3/4	88	124	54	27
7HF60HQ	47 1/2	16 1/2	24 3/4	110	165	54	27
12HF40V	22	27 1/2	67 1/2	144 1/2	168	69 1/2	49 1/2
19HF40V	25	31 1/2	78 1/2	160	172	80 1/2	57 1/4
12HF40VQ	22	27 1/2	67 1/2	137	168	N/A	NA
19HF40VQ	25	31 1/2	78 1/2	151	172	170	NA
12HF40H	38 1/2	N/A	27 1/2	97	132	72	36
12HF60H			28 1/2	119	170	72	36
12HF40HQ			27 1/2	97	132	71	35 1/2
12HF60HQ			28 1/2	119	170	71	35 1/2
19HF40H	38 1/2	N/A	31 1/2	106	138	82	41
19HF60H			32 1/2	128	180	82	41
19HF40HQ			31 1/2	106	138	85	42 1/2
19HF60HQ			32 1/2	128	180	85	42 1/2

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



CUNO High Flow Housing Ordering Guide

Number of Filter Elements	Model	Size	Configuration	Housing Material	Gasket Material	Closure Type
7 12 19	HF	40 – 40 in. 60 – 60 in.*	H – Horizontal V – Vertical *	A – Carbon Steel B – 304 SS C – 316L SS	GA – Silicone GB – Fluorocarbon GC – EPR GD – Nitrile	Q - Quick Open Close**

* Available for only horizontal housings

**Q option available for 316L SS only

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