

ME Series ASME Code Housings for DuoFLO® Elements and Bag Filters



The compact design of the ME Series housings and in-line bottom inlet and outlet connections offer tremendous flexibility for installation and operation. The swing bolt closure design and davit arm operation allow for easy filter element change-out.

Available Options - Consult Factory

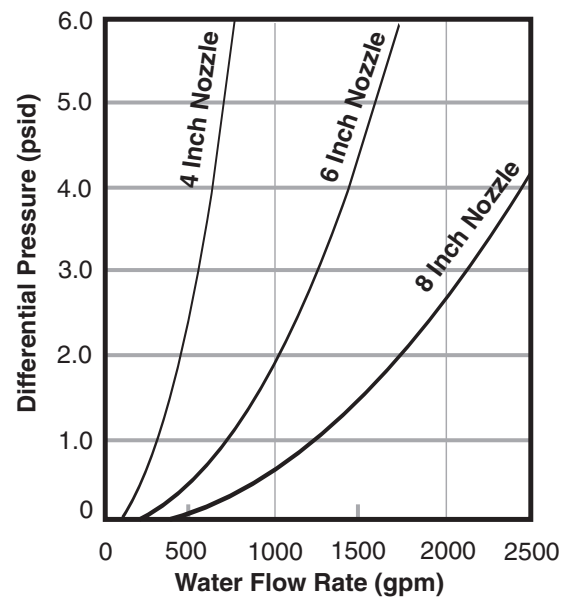
- Different Inlet/Outlet connection sizes
- Different Exterior/Interior Coatings/Finishes
- Tangential bottom outlet design
- Corrosion Allowances (carbon steel)
- 21 CFR compliant materials of construction

CUNO offers the ME Series housings, for use with DuoFLO® filter elements or conventional bag filters, in 3, 4, 6, 8, and 12 filter element configurations. Constructed with carbon steel, 304, or 316L Stainless Steel, the housings are designed for use with #2 size filter elements. The housings have been engineered for maximum flow throughput for a given vessel footprint to minimize the required floor space. All ME Series housings include stainless steel baskets, for either DuoFLO element or bag filter support. The housings are rated for operation up to 150 psi @ 300°F and are manufactured in accordance with ASME code and “U” stamped.

Applications

Industrial Processes - Parts Washers, Coolants, Cooling Water	Paint and Coatings - Phosphate E-Coat
Water Treatment - Pre-RO, Wastewater	Chemicals & Petrochemicals
Refining - Amine, Final Products	Electronics - Pre-RO
Food & Beverage - Process Water, Edible Oils	Pharmaceutical - Bulk Chemicals

Housing Pressure by Nozzle Size*



* Flow rate for standard housings without filters installed. The actual flow rate will be dictated by the filter media and cartridge style used. The total filter pressure drop is the sum of the housing drop and the cartridge drop.

Feature

Benefit

■ Compact vessel design	■ Reduced footprint requirement
■ Drains at lowest point in housing	■ No residual build-up or fluid loss
■ Integral cover assembly	■ No additional parts required to seal filter elements
■ In-line piping configuration	■ Capital expenditure and installation cost savings
■ Isolated dirty fluid chamber	■ Helps prevent clean-side contamination during filter change out
	■ Minimizes build-up of dirty fluid
■ Designed for use with DuoFLO or conventional bag filter elements	■ Flexibility for using optimum filter element for application

ME Series Housing Specifications

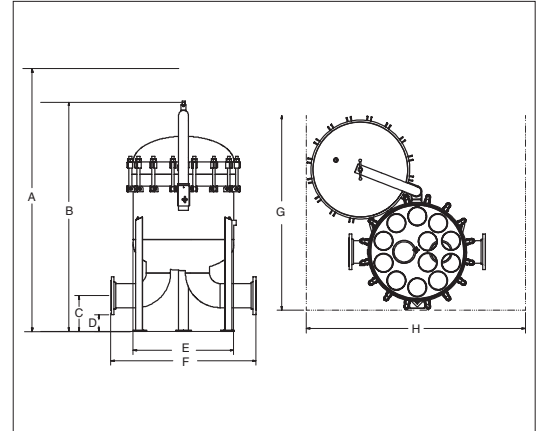
Model	Number of Filter Elements	Material	Connection size (inches)	Drain Size Inches (NPT)	Vent/Gauge Size Inches (NPT)	Maximum flow (gpm/lpm)*	Maximum Operating Pressure (psi / bar)	Operating Temperature Range (°F/°C)	Approximate Housing Weight (lbs. / kgs)	Approximate Cover Weight (lbs. / kgs)
3ME	3	Carbon Steel, 304 or 316L Stainless Steel	4	1	1/2	450 / 1703	150 / 10.3	-20 to 300/ -28 to 148	470 / 213	80 / 36
4ME	4		4	1		450 / 1703			585 / 265	90 / 41
6ME	6		6	1		1000 / 3785			720 / 327	120 / 54
8ME	8		6	2		1000 / 3785			960 / 435	200 / 91
12ME	12		8	2		1750 / 6624			1270 / 576	280 / 127

* Values represent maximum aqueous flow rates for ME Series housings (without filter elements installed) yielding housing pressure drop of 2 psid. 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. For some models, larger inlet/outlet connection sizes are available providing lower vessel pressure drops at higher flow rates.

ME Series Housing Dimensions (inches/cm)*

	Model				
	3 ME	4 ME	6 ME	8 ME	12 ME
	Nominal Dimensions (inches/cm)				
A - Clearance	94 / 191	96 / 196	101 / 209	106 / 222	112 / 237
B - Overall Unit Height	63 / 160	65 / 165	70 / 178	75 / 191	81 / 206
C - Floor to flange centerline	11 / 28	11 / 28	12 / 30	12 / 30	13 / 33
D - Floor to flange clearance	6 / 15	6 / 15	6 / 15	6 / 15	6 / 15
E - Unit diameter	18 / 46	20 / 51	24 / 61	30 / 76	36 / 91
F - Flange to flange	33 / 84	34 / 86	40 / 102	42 / 107	52 / 132
G - Space for cover removal	40 / 102	42 / 107	48 / 122	58 / 147	74 / 188
H - Space for cover removal	52 / 132	54 / 137	64 / 163	77 / 196	84 / 213

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



ME Series Housing Ordering Guide (Example Part Number = XME2XFXX)

X	ME	2	X	F	X	X
Number of Elements	Product Designation	Element Size	Housing Material	Connection Type	Gasket Material/O-Rings	Basket Type
3 4 6 8 12	ME	2 = #2	A - Carbon Steel B - 304 Stainless Steel C - 316L Stainless Steel	F - ANSI Flange	GA - Nitrile* GB - EPR GC - Viton	B = Bag Basket D = DuoFLO Basket

* Limits maximum operation temperature to 250°F (121°C).

WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 12 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration or modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B. point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by the Seller to

be defective. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.



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