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3M Housings ME Multi Series

For Multi Bag Filters

The ME Multi Series bag filter housings are constructed from 316 L or 304 stainless steel and are manufactured in accordance with design and construction code EN13445 Group 3.

They have a maximum operating pressure of 10 bar g and a maximum operating temperature of 90 °C.

The ME Multi Series housings are fully compliant with the European Pressure Equipment Directive (PED) and are available in a variety of sizes to accommodate 3, 4, 6, 8 or 12 bag filters or DuoFLO™ cartridges, in either of two lengths (Sizes 1 or 2).

Pressure Equipment Directive 97/23/CE

ME Multi Series housings are built to PED 97/23/CE Category 3.3 “Sound Engineering Practice” as standard. The vessel designs have been developed so that they can be manufactured for the highest demanding applications - Group 1 (Hazardous Gas) - upon request from existing and known production documentation. All dimensions remain as shown here.

ATEX Directive 94/9/CE

The ME Multi Series housings are not ATEX approved as standard. They can be approved for use in ATEX condition 11/2/G/T5 upon request.

Please consult your local 3M Purification representative for any other classification or further information.

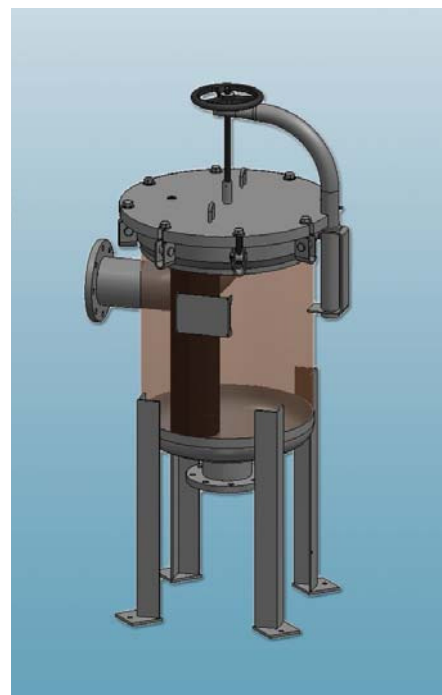


Table 1 : Housing Specifications

Model	Number of Filter Elements	Material	Connections types	Vent/Gauge Size (BSPT)	Maximum Flow Rate (m³/hr)
03 MEB	3	304L or 316L Stainless Steel	DN100	½"	120
04 MEB	4		DN150	1"	160
06 MEB	6		DN150	1"	240
08 MEB	8		DN200	1"	320
12 MEB	12		DN250	1"	480

Closure Type is Bolted.

The Maximum Operating Pressure Range is from -1 to +10 bar g.

The Operating Temperature Range is from 0 to 90 °C.

Standard Gasket Material is Nitrile (others are available as accessories)

Table 2 : Dimensions in mm *

	03 MEB		04 MEB	06 MEB	08 MEB	12 MEB
	#1	#2	#2	#2	#2	#2
H - Clearance	1250	1970	2160	2170	2300	2500
B - Overall Unit Height	1260	1610	1903	1925	2016	2220
C - Floor to Outlet	300		450	450	550	650
A - Floor to Inlet	660	1000	1185	1190	1233	1405
G1	400		470	580	630	700
G2	294		370	420	470	560

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

Applications

Industrial Processes

- Parts Washers, Coolants, Cooling Water

Water Treatment

- Pre-RO, Waste Water

Refining

- Amine, Final Products

Petrochemicals

- Bulk Solids Removal

Chemicals

- Product Trans

Electronics

- Pre-RO

Paint & Coatings

- Phosphate E-Coat

Food & Beverage

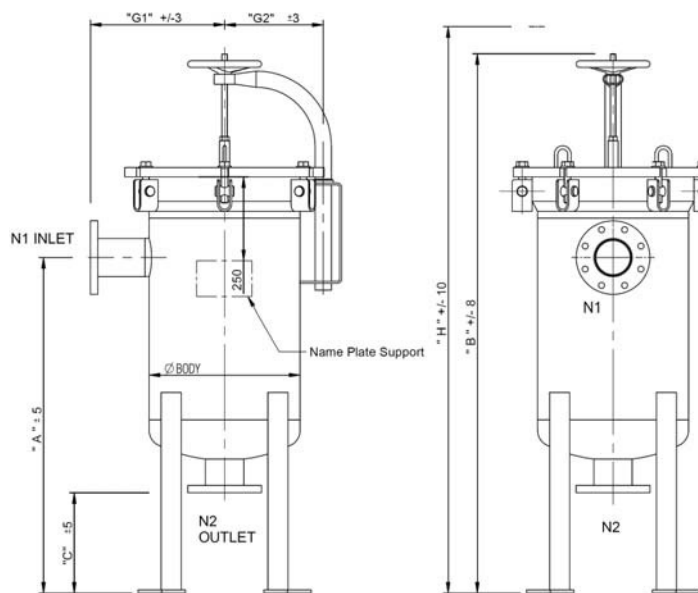
- Process Water, Edible Oils

Pharmaceutical

- Bulk Chemicals

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Spare Parts Part Numbers					
ME Housing Type	03	04	06	08	12
Nitrile Gaskets	FD000114922	FD000114948	FD000114955	FD000114963	FD000114971
Element/Bag Type	Size #1		Size #2		
Filter Bag Basket (316L)	FD000108783		FD000108791		
DuoFLO™ Element Basket (316L)	JN720019460		JN720019452		
Locking Handle	FD000114542				

Ordering Guide ME Multi Series Range

Number of Elements	Type of Housing	Bag Size	Range	Housing Material	Gasket Material	Surface Finish	Type of Connection	Outlet	Option Elbow Bottom Outlet
03	MEB	1 2	V = Vertical	4 = 304L 6 = 316L	NB = Nitrile*	F0 = Acid Pickle Passivated/Glass Bead Blasted	GM = 2" Male (BSP) BP = Flanged (ISO PN16)	D = Bottom Outlet	N = None
04 06 08 12	MEB	2	V = Vertical	4 = 304L 6 = 316L	NB = Nitrile*	F0 = Acid Pickle Passivated/Glass Bead Blasted	BP = Flanged (ISO PN16)	D = Bottom Outlet	N = None

Example Part Number: Multi Bag (#2) Housing: 06MEB2V6NBF0BPDN

* For other Gasket Materials, please contact a 3M Purification representative

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WARRANTY

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