

The Murdock Company, Inc.

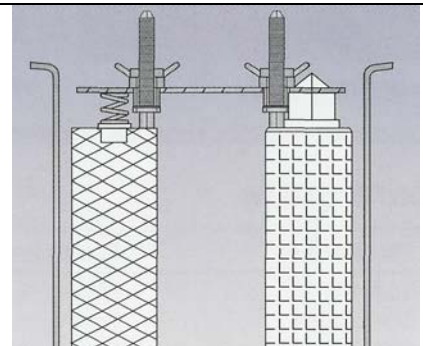


MicroExact™ 5MCA SERIES

We manufacture a complete line of five round models for flow rates to 140 GPM (36 M3/HR. Options include, 304L or 316L stainless steel; band clamp or swing-bolt lid closures and 150 psi (10 bar) or 300 psi (20 bar) pressure ratings. Standard pipe fittings are 2" NPT, with flange, BSP, grooved and sanitary connections available. Electro-polishing or passivation can be provided by special order. Protective poly-coat over stainless steel is the standard finish.

Features

- Designed for industrial and commercial filtration applications
- Heavy-duty stainless steel construction for durability
- 304L and 316L stainless steel available
- Band clamp and swing-bolt closures for quick cartridge change-out
- Pipe fittings readily accessible for easy installation
- Knife edge seal provided at both ends of all DOE cartridges
- Standard housings accept double-open-end cartridges
- Adapters for cartridges with 222, 226 and fin ends available
- Mounting tabs, legs & custom fittings available by special order
- Electro-polishing available for increased resistance to corrosion
- Adjustable top plate for more cartridge options



Specifications

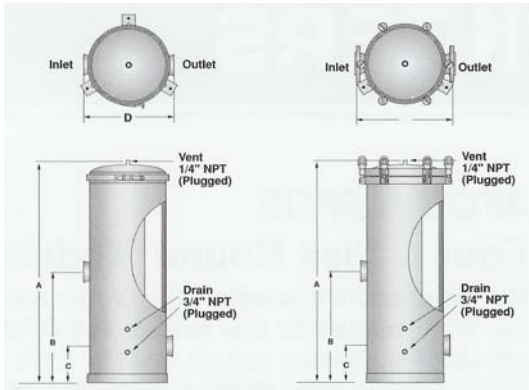
Cartridge configuration Cartridge lengths	5 round 9-3/4"-10	5 round 19-1/2"-20	5 round 29-1/4"-30	5 round 39"- 40"
Product code, 304L w/ clamp lid	5MCA1	5MCA2	5MCA3	5MCA4
Product code, 304L w/ swing-bolt	5MCA1-SB	5MCA2-SB	5MCA3-SB	5MCA4-SB
Product code, 316L w/ clamp lid	5MCS1-316	5MCS2-316	5MCS3-316	5MCS4-316
Product code, 316L w/ swing-bolt	5MCS1-SB-316	5MCS2-SB-316	5MCS3-SB-316	5MCS4-SB-316
Flow rate, maximum GPM	35	70	105	140
Flow rate, maximum LPM	132	265	397	530
Standard cartridge length	10"	20"	30"	40"
Number of standard cartridges	5	5	5	5
Number 10" cartridge (butt seal)	5	10	15	20
Standard pipe size	2" NPT	2" NPT	2" NPT	2" NPT
Standard drain size	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Pressure drop (vessel only, psi)	<1	<1	<1	<1
Standard pressure rating (psi/bar)	150-10	150-10	150-10	150-10
Temperature rating (max. F/C)*	300° / 149°	300° / 149°	300° / 149°	300° / 149°
Shipping weight (lbs.)	25	31	38	45

*Housing only; cartridge temperature specifications should also be considered.

Note: Flow rates are for guidelines only. Actual flow rates are based on the fluid, viscosity, cartridge type, micron rating and other factors.

Bland Clamp Closer

Swing-Bolt Closer



Dimensions Model	A	B	C	D
5MC1 2" NPT	19.5"	7"	3"	10.5"
5MC1 2" flange	23"	7"	3"	12.5"
5MC2 2" NPT	29.5"	7"	3"	10.5"
5MC2 2" flange	33"	7"	3"	12.5"
5MC3 2" NPT	39.5"	7"	3"	10.5"
5MC3 2" flange	43"	7"	3"	12.5"
5MC4 2" NPT	49.5"	7"	3"	10.5"
5MC4 2" flange	53"	7"	3"	12.5"

Note:

Information contained in this bulletin is believed to be reliable. It is the users responsibility to determine the suitability.

5 MC MODELS

Options



Mounting tabs



Flange fittings with legs



Sanitary fittings



Electro-polishing

Spare parts

Part Number	Description	Part Number	Description
H017-B	Shell gasket, Buna-N	C016-S-12	Center rod 1x5 round
H017-EPR	Shell gasket, EPDM	C016-S-22	Center rod 2x5 round
H017-T	Shell gasket, Teflon	C016-S-32	Center rod 3x5 round
H017-V	Shell gasket, Viton	C016-S-42	Center rod 4x5 round
H005-S	Cover clamp		
H006	T-bolt for lid clamp	Options (Order code)	Description
H007	T-handle for lid clamp	TABS	Mounting tabs (can be installed at site)
H002-S	Head cover, 304	ML	Mounting legs (must order with flanges)
H002-S316	Head cover, 316	SD-1/2	1/2" sanitary drain, pair
H050-S	V-post, 1 high, 316	SV-1/2	1/2" sanitary vent, each
H051-S	V-post, 2 high, 316	SF-2-316	2" sanitary fitting, 316 pair
H052-S	V-post, 3 high, 316	GF-2-316	2" grooved fitting, 316 pair
H053-S	V-post, 4 high, 316	BSP-2-316	2" BSP, 316, pair
H011-S-316	1/2" drain plug, 316 (2 required)	FF-2-316	2" flange fittings, 316 pair (must order legs)
B103-S-316	1/4" vent plug, 316	FNPT-2	2" female MPT pipe fittings, pair
H020	Knob, 1/2" (for 5 rounds) req. one	FF-1.5-316	1-1/2" flange fittings, 316 pair (must order legs)
H020-W-S	Wing nut, 1/2" s.s. for 5 rounds	222 ADPT	222 cartridge adapters (one per cartridge)
SA	Spring assembly, 222,226	226 ADPT	226 cartridge adapters (one per cartridge)
H110-5-S	Hold down plate, 5 round, DOE, 316	SB-300-5	300 psi swing-bolt filter housing
		EP-5	Electro-polishing, 5 round models
		P-5	Passivation, 5 round

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