

The Murdock Company, Inc.



MicroExact™

1MP SERIES

Single Cartridge Vessels

We offer a complete line of single cartridge models for flow rates from .5 GPM to 40 GPM options include, all polypropylene head and sump, polypropylene head with clear sump, glass filled polypropylene and nylon head and sump. Recommended maximum operating pressure rating up to 200 psi and pipe threads from 1/4" NTP to 1 1/2" NPT.

Features

- Designed and made in the USA
- Low Cost
- High Quality
- Flow Rates from .5 to 40 gpm
- Up to 200 psi
- Available in polypropylene, clear san, and nylon
- Designed for industrial and commercial and residential filtration applications
- Positive o-ring seal
- Optional pressure relief button
- Optional bracket head can be wall mounted



Specifications

Cartridge configuration Cartridge lengths	1 5"	1 10"	1 20"	1 10" Jumbo
Product code, black head blue sump	1MPBB5	1MPBB10	1MPBB20	1MPBJ10
Product code, black head clear sump	1MPBC5	1MPBC10	1MPBC20	
Product code, black nylon head and sump	1MPN5	1MPN10	1MPN20	
Product code, white head and sump	1MPWW5	1MPWW10	1MPWW20	
Flow rate, maximum GPM	5	10	20	40
Standard cartridge length	5"	10"	20"	10"
Number of standard cartridges	1	1	1	1
Number 10" cartridge (butt seal)	4"	5"	2	1
Standard pipe size	1/4", 3/8", 1/2", 3/4" NPT	1/4", 3/8", 1/2", 3/4" NPT	1/4", 3/8", 1/2", 3/4" NPT	1", 1 1/2" NPT
Pressure drop (vessel only, psi)	<1	<1	<1	<1
Maximum pressure rating (psi)	100	100	100	100
Temperature rating (max. F/C)*	125°	125°	125°	125°
Shipping weight (lbs.)	2	3	5	8

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





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



Dimensions Model	Length	Diameter
1MP 5"	7"	4.375"
1MP 10"	11.750"	4.375"
1MP 20"	21.875"	4.375"
1MP 10" Jumbo	13.625"	7.250"

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

1MP MODELS Cartridge Options

			
Wound	Pleated polyester	Fiber glass	Melt blown

Options & spare parts

Part Number	Description	Part Number	Description
1MB02	Mounting bracket (5" and 10" single cartridge)	1MP025-BKP-1/4	Head- Black poly- 1/4" NPT
1MB20	Mounting bracket (20" single cartridge)	1MP038-BKP-3/8	Head- Black poly- 3/8" NPT
2MB03	Mounting bracket (2 5", 10" and 20" single cartridge)	1MP050-BKP-1/2	Head- Black poly- 1/2" NPT
1MBJ10	Mounting bracket (10" jumbo single cartridge)	1MP075-BKP-3/4	Head- Black poly- 3/4" NPT
B51020237	Buna o-ring (5", 10" and 20" standard cartridge)	1MP025-WTP-1/4	Head- White poly- 1/4" NPT
V51020237	Viton o-ring (5", 10" and 20" standard cartridge)	1MP038-WTP-3/8	Head- White poly- 3/8" NPT
B101001	Buna o-ring (10" jumbo cartridge)	1MP050-WTP-1/2	Head- White poly- 1/2" NPT
PR	Pressure relief button	1MP075-WTP-3/4	Head- White poly- 3/4" NPT
FW10H	Half wrench	1MP05S-BL	Sump- Blue poly- 5"
FW10F	Full wrench	1MP10S-BL	Sump- Blue poly- 10"
FW10FF	Full membrane / full housing	1MP20S-BL	Sump- Blue poly- 20"
FW10JF	Jumbo full wrench	1MP05S-CL	Sump- Clear poly- 5"
B0041-S	Shell gasket, Silicone	1MP10S-CL	Sump- Clear poly- 10"
FTB1200	Counter top base	1MP20S-CL	Sump- Clear poly- 20"

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