DF-MB-Series Cartridge Elements

Melt Blown Quad Pro Series Cartridge Elements

The Right Connection®

Sizes
- Diameters: 2-1/2” (standard) or 4-1/2”
- Lengths: 9-3/4” to 50”

Features
- Made in the USA
- FDA title 21 compliant
- No glue or binders
- Low pressure drop
- 4 zone technology within cartidge allows for high dirt loading
- Multiple efficiency options available
  - Pro - 90% - great value
  - Deluxe - 95% - integrated 4 stage depth loading
  - Elite - 99% - heat set surface
  - RO - reverse osmosis applications - no fiber migration
- Most combinations are WQA tested and certified to:
  - NSF / ANSI 372
  - NSF / ANSI 61
  - CSA B483.1
  - NSF / ANSI 42 - component
- All polypropelene components meet the specifications for biological saftey per the USP for Class VI-121 C plastics

Materials
- Cartridge element: polypropylene
- Gasket/O-ring: Nitrile rubber, FKM, PTFE, silicone, neoprene, EPDM, and Polyfoam

Specifications
- Maximum differential pressure:
  40 PSID (1.7 bar) at **155°F** (**68°C**)
  60 PSID (3.4 bar) at **86°F** (**30°C**)
- Recommended change out differential pressure:
  with core **35 PSID** (2.4 bar)
  without core **20 PSID** (1.3 bar)
- Micron ratings: 1, 5, 10, 20, 25, 30, 50, 75, and 100
- Sold in standard case quantities only
  - 10” and under are 30 pcs/case
  - 19-1/2” thru 30” are 15 pcs/case
  - 39” and above are determined at time of quote
  - Custom lengths are determined at time of quote

NOTE: no selection required for double open ended (DOE) cartridge elements

Dixon Sanitary

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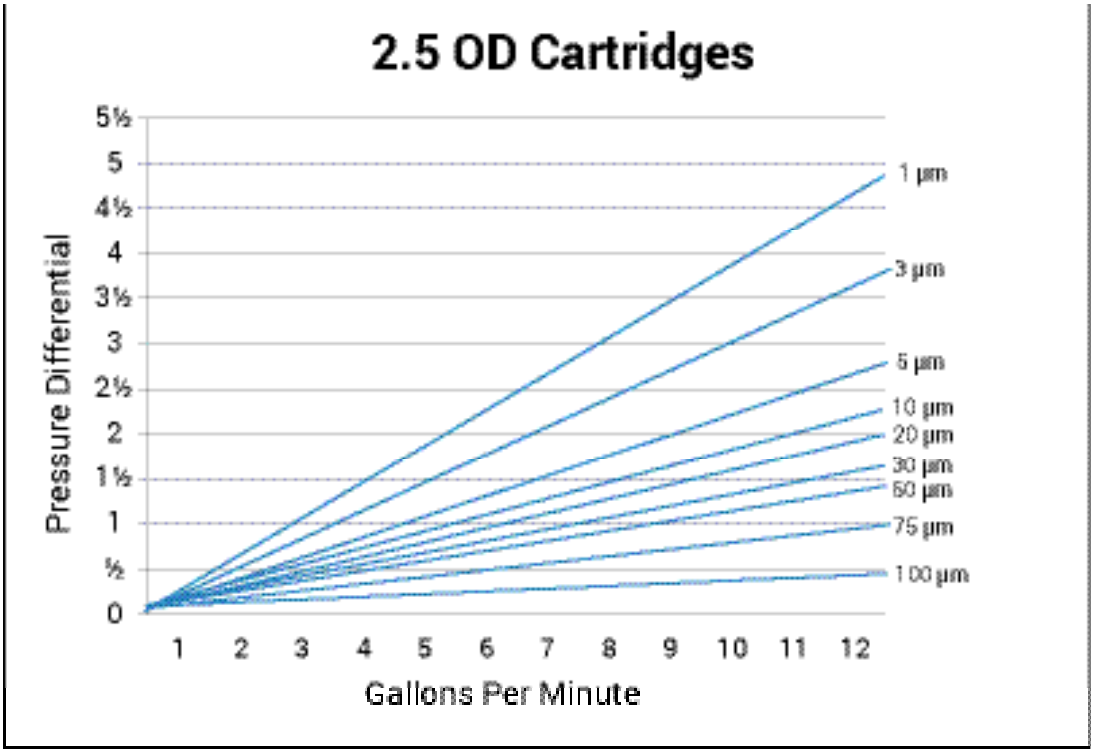
Quad Pro Flow Rates vs. Differential Pressure Chart



NOTE: This chart exemplifies normal flow rate for a cartridge length of 10" with water at an ambient temperature as the test fluid. Cartridge length does not cause change in differential pressure, but increasing flow across the housing does.

Length	Style	Micron	Diameter	Case Qty	Part #
10"	DOE/4-Zone	1	2-1/2”	30	DF-MBS1B21
10"	DOE/4-Zone	10	2-1/2”	30	DF-MBS10B21
10"	DOE/4-Zone	50	2-1/2”	30	DF-MBS50B21
10"	DOE/4-Zone	100	2-1/2”	30	DF-MBS100B21
20"	DOE/4-Zone	1	2-1/2”	15	DF-MBS1E21
20"	DOE/4-Zone	10	2-1/2”	15	DF-MBS10E21
20"	DOE/4-Zone	50	2-1/2”	15	DF-MBS50E21
20"	DOE/4-Zone	100	2-1/2”	15	DF-MBS100E21
30"	DOE/4-Zone	1	2-1/2”	15	DF-MBS1G21
30"	DOE/4-Zone	10	2-1/2”	15	DF-MBS10G21
30"	DOE/4-Zone	50	2-1/2”	15	DF-MBS50G21
30"	DOE/4-Zone	100	2-1/2”	15	DF-MBS100G21

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DF-MB-Series Melt Blown Cartidge Filters Part Number Key

The Right Connection®

Part Number Key Example: DF-MBS100B2E10B		Series		Type	Efficiency	Micron	Length	Diameter	Core	End Cap	Gasket/O-Ring
		DF	-	MB	S	100	B	2	E	10	B
Series	**Code**										
Filter	DF										
Type	**Code**										
Melt blow polypropylene	MB										
Efficiency	**Code**										
90% efficiency pro (standard)	S										
95% efficiency deluxe	X										
99% efficiency elite	A										
RO	R										
Micron	**Code**										
1	1										
5	5										
10	10										
20	20										
25	25										
30	30										
50	50										
75	75										
100	100										
Length	**Code**										
9-3/4"	A										
9-7/8"	B										
10"	C										
19-1/2"	D										
20"	E										
29-1/4"	F										
30"	G										
39"	H										
40"	I										
50”	J										
Diameter	**Code**										
2-1/2” (standard)	2										
4-1/2”[1]	4										
Core	**Code**										
No Core	blank										
Polypropylene (required for elite and RO)	E										
End Cap	**Code**										
DOE/no caps	1										
222/fin[2]	2										
222/spring	3										
222/closed	4										
226/closed	5										
226/fin[2]	6										
226/spring	7										
SOE/spring	8										
DOE/gasket	9										
Core extender[2]	10										
Core extender/Spring[2]	11										
Gasket/O-ring	**Code**										
DOE - no gasket cap	blank										
NBR	B										
FKM[2]	V										
PTFE[2]	T										
Silicone	S										
Neoprene[2]	N										
EPDM[2]	E										
Polyurethane[2]	P										

[1] Only DOE available
[2] Combinations are not certified by WQA

NOTE: There are many more options, including industrial housing and cartridge elements. All cartridge elements are manufactured to industry standards and are interchangeable with other manufacturers’ products. Custom filters are avilable.

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