

CARBOFLOW MX Utilities

Filter Cartridges



CARBOFLOW MX cartridges are offered in both high efficiency and general grades. They consist of bituminous coal sourced carbon, extruded together with an FDA listed thermoplastic binder, to produce an extremely porous yet rigid structure.

The result is a filter offering unsurpassed adsorptive capacity, up to 20 times that of traditional granular carbon or carbon impregnated filters, and high particle removal efficiency.

The rigid structure of CARBOFLOW MX not only minimizes any possibility of channeling, bypass or fluidizing, but also the release of carbon fines during start-up and operation. Such problems are common with more traditional carbon filters. CARBOFLOW MX is available in lengths up to 40" (1016 mm) together with end fittings to suit most industry standard housings.

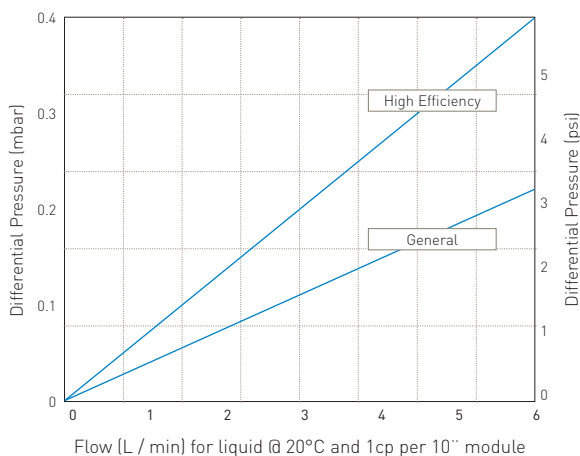
Features

- Solid piece, extruded construction
- High surface area

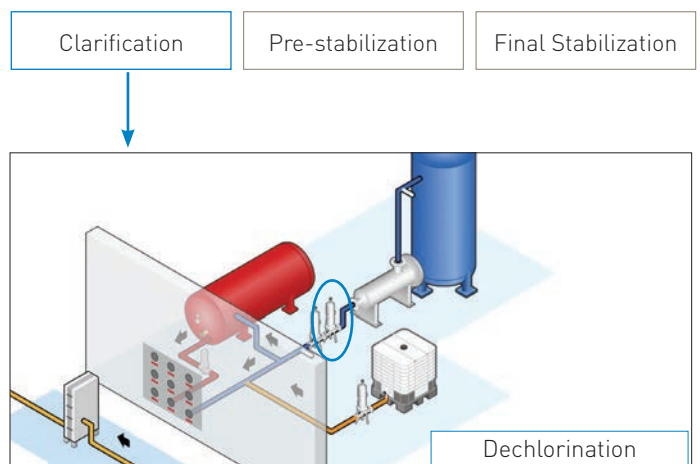
Benefits

- No flow channeling associated with other forms of carbon filter. This aspect provides a consistent level of adsorption and particle retention throughout the filter's lifetime
- Small system sizes per application reduce the cost of filtration and return an economical solution

Performance Characteristics



Filtration Stage



Specifications

Materials of Construction

Carbon:	Bituminous Coal
Carbon Type:	Steam activated Acid wash
Carbon Weight (per 10"): 350g	
End Caps:	Polypropylene

Food Contact Compliance

Materials conform to the relevant requirements of FDA 21 CFR Part 177, current EC1935 / 2004 and current USP Plastics Class VI - 121 °C.



Recommended Change Out Pressure

2 bar (29 psi)

Retention Characteristics

	1 High Efficiency	2 General
Particle Removal	99.9% @ 2 mic	98% @ 10 mic
Chlorine Reduction**	76 cu.m @ 4 l / min	22.7 cu.m @ 4 l / min
Chloroform Reduction*	3 cu.m @ 2 l / min	n / a

* Per 10" element, for longer lengths multiply pro-rata for details of test conditions contact Parker domnick hunter for details.
** Based on an inlet concentration of 2 ppm chlorine.

Applications

- Pre and post R.O. filtration
- De-chlorination
- Process water
- Product rinse waters
- De-colourization

Maximum Operating Temperature

60°C (158°F)

Maximum Differential Pressure

7 bar (101.52 psi)

Ordering information

Code	Flow Path	Code	Length	Code	Type	Code	Grade	Code	End Fitting	Code	Seal Material
C	Carbon	05	4.75" (124 mm)	M	Extruded	1	High Efficiency	0	DOE	E	EPDM
		09	9.75" (247 mm)			2	General	2	Flat / 226	S	Silicone
		10	9.875" (251 mm)					3	Flat / 222		
		11	10" (254 mm)					7	Fin / 226		
		19	19.50" (500 mm)					8	Fin / 222		
		20	20" (508 mm)					9	213		
		29	29.50" (750 mm)					5	SOE		
		30	30" (762 mm)								
		39	39.25" (1000 mm)								
		40	40" (1016 mm)								

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