

# Military Coalescer

I-4xxA4 & MM Family

Qualified to EI 1581 6th Edition, Category M, M100, MIL-PRF-52308J, MIL-PRF-32148

## DESCRIPTION

The I-4xxMM filter/coalescer cartridge has an internal multi-layer pleat block with a large surface area for greater dirt holding capacity. A fine fiber micro-glass shell provides optimum water removal characteristics. The advanced composition of our "MM" Series media allows most vessel configurations to meet EI 1581 6th Edition, Category M, performance requirements.

Identical in form and fit to the I-4xxMM, the I-4xxA4 filter/coalescer cartridges allows most vessel configurations to meet EI 1581 6th Edition, Category M100 performance requirements.

## APPLICATION

These cartridges are designed to fit in DOD military vessels such as those originally made to the MIL-F-27629 and 27630 specifications.

I-440MM filter/coalescer (NSN 4330-01-511-8268) has been specifically designed to replace a stack of two standard DOD filter/coalescers (NSN 4330-00-983-0998). The I-440MM is also a direct replacement for the previous 3rd Edition model, I-44087 (NSN 4330-01-407-3548).

An objective of the 40-inch cartridge is to eliminate three potential leakage points (there are o-rings at each end of a 20-inch cartridge). The I-440MM has a top blind end and an o-ring at the lower end. Use one Gammon GTP-5935-M alignment pin in the top blind cap to provide a locator for



Top—Blind cap



Bottom—Mounting end with O-ring seal



GTP-5935-M Alignment Pin

spider plate alignment.

I-440MM has an o-ring at each end to accommodate a few existing filter/separators vessels that use tie rods instead of spider plates to hold the cartridges. I-420MM (NSN 4330-01-511-8209) and I-420MMA (NSN 4330-01-477-7985), the 20-inch coalescers, also have an o-ring at each end and are direct replacements for the 20-inch DOD cartridge. No alignment pin is required for any of these models.



I-440MM\*

\* I-440MM: Alternative version with O-Ring seals on both ends

**CARTRIDGE SELECTION**

Parker Velcon P/N	NSN (National Stock Number)	Spec.	Dim (in.)		Endcaps	Seal	Blind Cap	Max Rated Flow (USGPM)
			OAL	OD				
I-420A4	4330-01-548-4867	Category M100: EI 1581, 6th Ed.	20	3.625	Injection molded glass filled nylon 6/6	O-ring, both ends	N/A	20
I-420MM	4330-01-511-8209	Category M: EI 1581, 6th Ed. and MIL-PRF-52308J						
I-420MMA	4330-01-477-7985							
I-420MMF	4330-00-931-2472	MIL-PRF-32148	20.125	3.75	Aluminum	Flat gaskets	N/A	17.5
I-424MMF	4330-00-931-2473		24.125	3.75	Aluminum	Flat gaskets	N/A	21
I-440A4	4330-01-548-6906	Category M100: EI 1581, 6th Edition	39.875	3.625	Injection molded glass filled nylon 6/6	O-ring, one end	Opposite End	40
I-440MM	4330-01-511-8268	Category M: EI 1581, 6th Ed. and MIL-PRF-52308J	39.875	3.625	Injection molded glass filled nylon 6/6	O-ring, one end	Opposite End	40
I-440AMM	N/A	Category M: EI 1581, 6th Ed.	39.875	3.625	Injection molded glass filled nylon 6/6	O-ring, both ends	N/A	40
I-620MM	4330-01-516-6994	Category M: EI 1581, 6th Ed.	20.125	6.0	Aluminum	Flat gaskets	N/A	45.5

**SPECIFICATIONS**

- Changeout Differential Pressure: 15 psid
- Maximum Pressure Ratin: 75 psid
- Maximum Operating Temperature: 250°F (121.1°C)
- Micron Rating: 0.4