



FMS-C25-TP

WATER-FREE
EMULSION-FREE
MORE POWER

The FMS-C25-TP is a high flow, compact coalescing filter for use where superior performance is needed in fuel transfer, kidney-loop, or dispensing applications.

The filter assembly uses a patent-pending coalescing filter media along with the element interface to ensure quality filtration with every replacement.

The FMS-C25-TP can be used alone to provide superior particulate and water removal, or in conjunction with a high efficiency particulate filter to provide additional performance with reduced maintenance costs.



TECHNICAL SPECIFICATIONS

SPECIFICATION	VALUE
Flow Rating	Up to 25 gpm (95 l/min)
Max. Operating Pressure	150 psi (10.3 bar)
Min. Yield Pressure	2600 psi (179 bar)
Temperature Range	32°F to 225°F (0°C to 107°C) Standard; -20°F to 225°F (-29°C to 107°C) Heater Option
Bypass Setting	40 psi (2.8 bar)
Porting Head Element Case Sump	Cast Aluminum, Anodized Aluminum, Anodized Cast Aluminum, Anodized
Weight FMS-C25-TP	19.45 lbs. (8.82 kg)
Element Change Clearance	4.5" (114 mm)

FEATURES

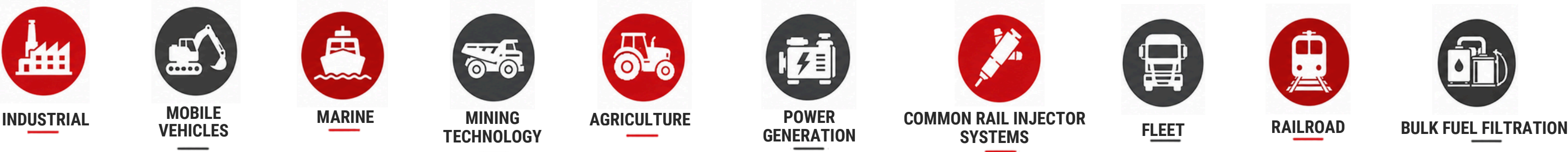
- Diesel fuel coalescing filter for dispensing, transfer or polishing filtration applications
- Uses patented elements
- All-aluminum filter housing is fully compatible with diesel and biodiesel
- Minimal clearance needed for element service, ideal for enclosure installations
- Cartridge style element improves performance and reduces waste compared to spin-on solutions
- A compact design with reduced dimensions compared to similar cartridge filter and spin-on solutions on the market



APPLICATIONS

- Point of use fuel dispensing
- Fleet fill/bulk fuel transfer
- Bulk fuel unloading
- Protection for high-flow fuel injection systems
- Bulk tank kidney loop/recirculation

MARKETS



SCAN TO VISIT OUR WEBSITE



FMS INTERNATIONAL INC.

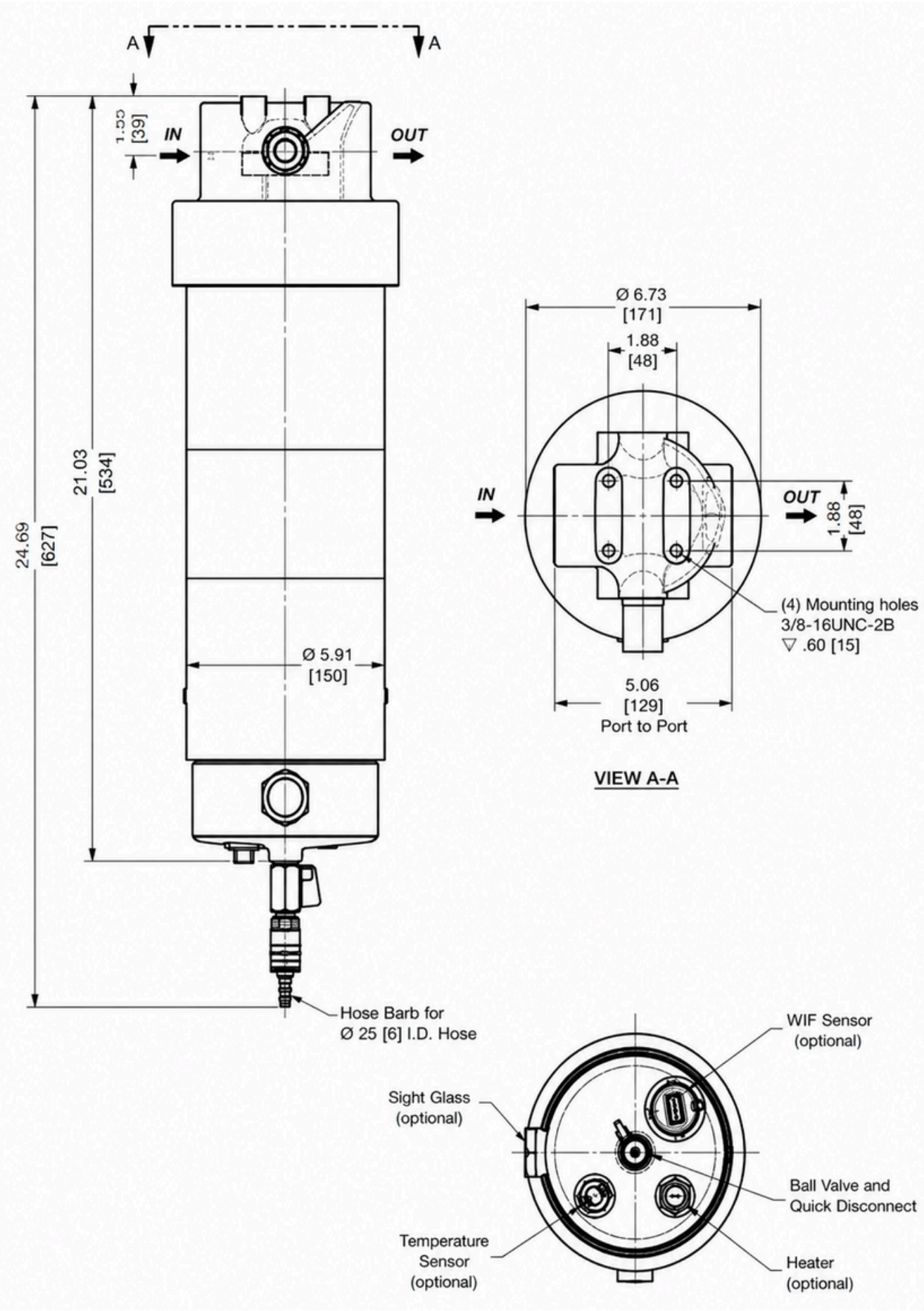
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FMS-C25-TPE

ULTRA-
DRY FINISH



ELEMENT PERFORMANCE INFORMATION

COALESCING ELEMENT	PRESSURE SIDE COALESCING	
	RECOMMENDED FLOW	SINGLE PASS WATER REMOVAL EFFICIENCY
FMS-C25-TPE	25 gpm	≥ 95%

Flow Direction: Inside Out

Element Nominal Dimensions: 5.0" (127 mm) O.D. × 12" (305 mm) de long

*Element Collapse Rating 150 psid (10.3 bar) for standard and non-bypassing element.

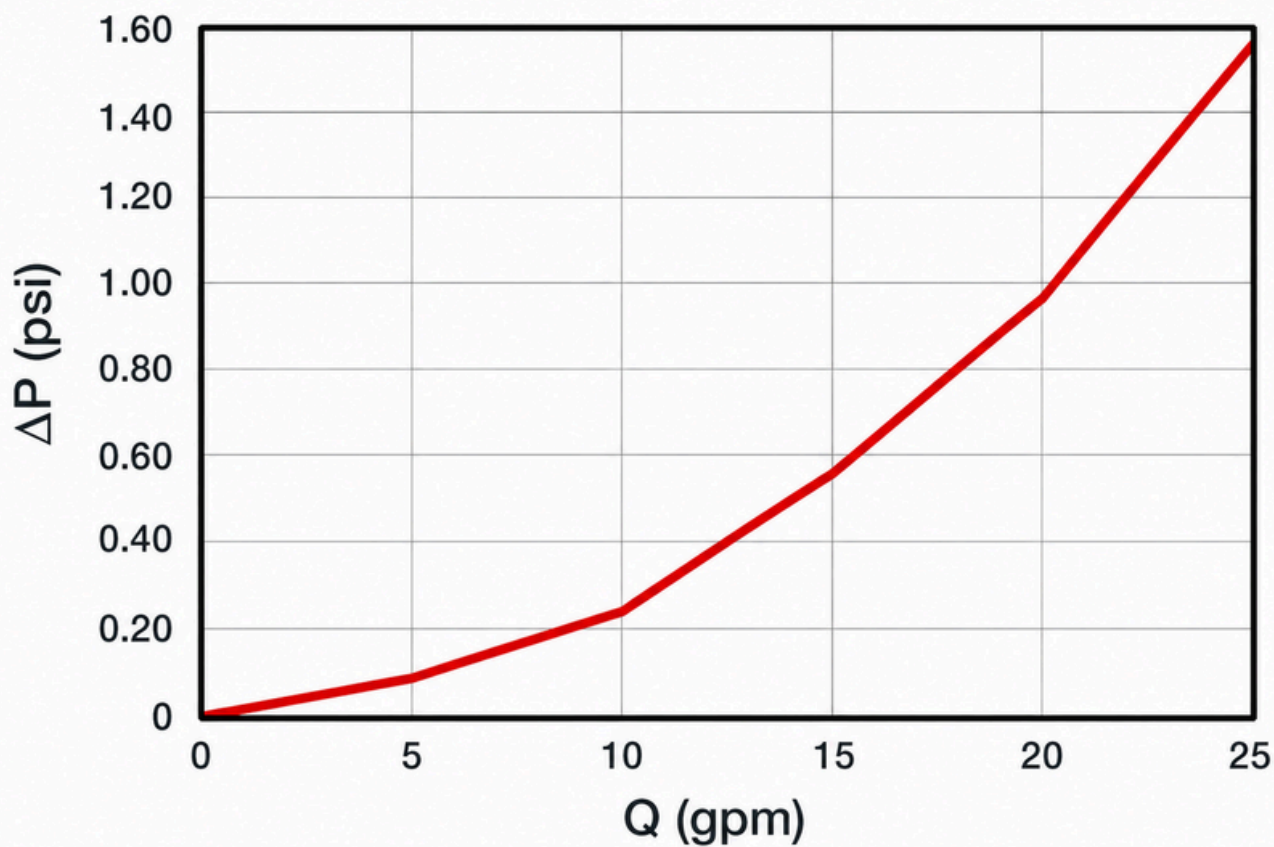
Note: Efficiency based on ULSD15 with 27 Dynes/CM surface tension and 0.25% (2500 PPM) water injection. Discharge water concentration of <100 PPM free and emulsified water.

Fuel Compatibility

Diesel Fuel, Biodiesel (up to B100), HVO, Kerosene, JP-A* and JP-8* *Not to be used for refueling aircraft directly. For other Distillate Petroleum products, Please Contact Factory

HOUSING PRESSURE DROP

FMS-C25-TP



Sizing Information

Total pressure loss through the filter is as follows:

Assembly ΔP = Housing ΔP + Element ΔP

Housing Curve

Pressure loss through housing is as follows:

Housing ΔP = Housing Curve ΔP x $\frac{\text{Actual Specific Gravity}}{0.86}$

Element K Factors

ΔP Elements = Elements (K) Flow Factor x Flow Rate (gpm) x $\frac{\text{Actual Viscosity (SUS)}}{37 \text{ SUS}}$ x $\frac{\text{Actual Specific Gravity}}{0.86}$ FMS-C25-TPE = 0.09



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