

In-Line Bulk Fuel Coalescing Filter *Coalescing Elements Patent-Pending

16 gpm 60 L/min 150 psi 10 bar

Applications





UNLOADING



PROTECTION FOR

HIGH-FLOW FUEL INJECTION SYSTEMS



BULK TANK

KIDNEY LOOP / RECIRCULATION



Model no. of filter in photograph is: ICFVS16LEP



Model no. of filter in photograph is: ICFM

Features and Benefits

- Patent-pending, three-phase, particulate and fuel/water separation media technology
- A revolutionary element designed for the highest single-pass water and particulate removal efficiencies in today's ultra-low sulfur diesel (ULSD) fluids
- Protects expensive Tier III and Tier IV engine components against failures caused by particulate and water transferred from bulk fuel tanks to the vehicle
- Allows users to achieve or exceed the particulate and water removal specifications of the injection system OEMs
- Previously acceptable industry standard products no longer provide the high-efficiency separation needed in today's ULSD fluids
- Housing design allows for field upgrade of any available option
- Schroeder Anti-Static Pleat® Media (ASP) is standard for all coalescing elements
- Pressure bypass indicator setting at 36 psi, with bypass valve cracking at 40 psi, allows for early indication before bypass of filter for advanced maintenance notice
- In applications $>32^{\circ}F$ (0°C) complete automation is achievable with fail-safe auto-drain feature using a remote 5 gallon (18L) or 20 gallon (75L) sump with alarm and auto shutdown
- Now available as a UL Certified, marine specific, fuel filter (ICFM)

Markets



POWER

GENERATION





COMMON RAIL INJECTOR SYSTEMS



MARINE



RAILROAD

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MINING

TECHNOLOGY

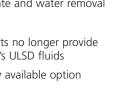


AGRICULTURE



FILTRATION







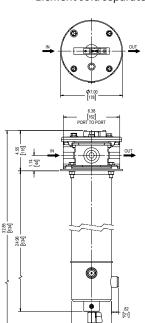
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Flow Rating:	Up to 16 gpm (60 L/min) for ULSD15	
Inlet/Outlet Connection:	1 ½" NPTF Standard, -16 (ORB) SAE J1926 Optional	
Max. Operating Pressure:	150 psi (10 bar)	
Min. Yield Pressure:	450 psi (31 bar)	
Rated Fatigue Pressure:	90 psi (6 bar), per NFPA T2.6.1-2005	
Temp. Range:	32°F to 165°F (0°C to 74°C) standard and AWD option -20°F to 165°F (-29°C to 74°C) H option	
Bypass Indication:	36 psi (2.5 bar) (Lower indication options available)	
Bypass Valve Cracking:	40 psi (2.8 bar)	
Porting Head/Cap: Element Bowl:	Aluminum - Coating Option see Box 7 Steel - Epoxy Paint w/ High-phos Electroless Nickel Plating (Standard)	
Filter Housing Weight:	15 lbs (6.8 kg) - Base unit without options or element	
Element Change Clearance:	Access from top (remove cap) - 18" (457.2 mm) Access from below (remove bowl) - 2.5" (63.5 mm)	
Housing Sump:	32 oz. (0.95 L)	
Optional:	External water sump and non-immersion heater (power 120VAC, 235W), Sight glass, bracket, water in fuel sensor w/ or w/out remote mount light and 6' lead	

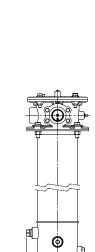
Filter Housing Specifications ICF

ICF

Note: For other electrical options, contact factory Element sold separately



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GROUND WI



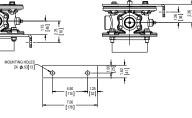
Optional Brackets:

Element top loading Option 'B'

C 0 Þ C

HOSE BARB FOR Ø.375 [9.5] I.D. HOSE

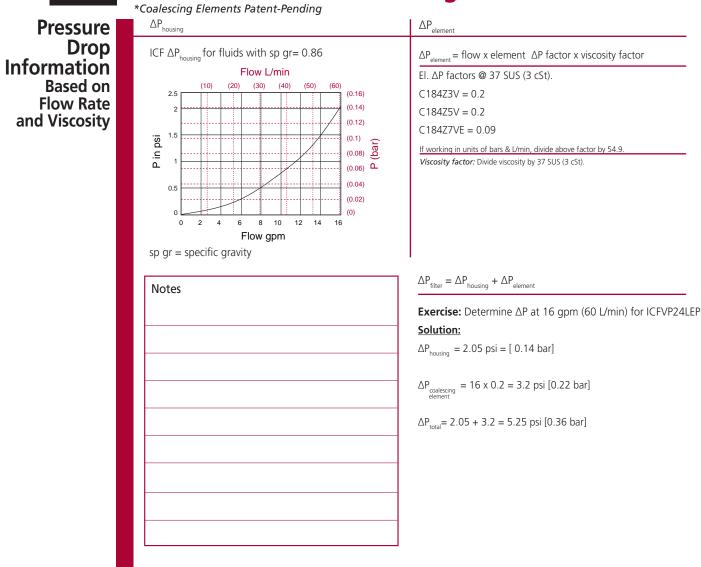
Element bottom loading Option 'R'



MOUNTING BRACKET HOLE DIMENSIONS Metric dimensions in ().



In-Line Bulk Fuel Coalescing Filter



Filter Element Selection Coalescing Element Performance Information Elements Sold Separately

Coalescing Element	Pressure Side Coalescing	
	Recommended Flow	Single Pass Water Removal Efficiency
C184Z5V	16 gpm	≥ 99.5%
C184Z3V	16 gpm	≥ 99.5%
C184Z7VE	16 gpm	Contact Factory for Element Data

Flow Direction: Inside Out

Element Nominal Dimensions: 4.0" (102 mm) O.D. x 18.5" (470 mm) long *Schroeder Anti-Static Pleat Media (ASP®) is standard

Highlighted product eligible for **GuickDelivery**

*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.