

# FSLCOD

## Marine and Industrial Diesel Filtration Systems

Remove water and particulate to extend fuel injector life and increase combustion engine fuel efficiency.

Ideal for permanent installation on-board sea vessels and diesel applications requiring compact size restrictions.



[hyprofiltration.com/FSLCOD](http://hyprofiltration.com/FSLCOD)



## Remove contaminants, protect equipment.

FSLCOD combines high efficiency single pass particulate and water removal to ensure that your fuel is always in spec, eliminating premature injector failures and downtime.



## Elements that go beyond industry standard.

With DFE rated particulate filters and 100% synthetic coalesce/separer elements that remove all free and emulsified water down to 50 ppm, your fuel rail and high pressure injectors will be protected and running more efficiently than ever.

## Small has never been bigger.

Coming in at only 1 ft<sup>2</sup> (30 cm<sup>2</sup>) of floor space and 34" (86 cm) tall, the FSLCOD is engineered to provide maximum efficiency in minimal space.



## Smarter filtration.

Designed for 24/7 unattended operation, FSLCODs with auto water drain technologies, available electrically or mechanically powered, provide you with the safety and security to know your diesel is clean and dry even when you're off the clock.

## Increase fuel efficiency, lower emissions.

Cleaner fuel runs more efficiently and with lower emissions, yielding better injector performance and life and leading to lower fuel usage, translating to bottom line profitability and a drastically lower environmental footprint. Monitor your fuels' condition with properly positioned sample ports before the pre-filter and after the coalesce stage and always know how your filtration is performing.



## No detail overlooked.

From the cast iron gear pump with internal relief to the space saving design, every component of the FSLCOD is designed to provide you with the highest quality filtration and integrate seamlessly into your systems. So whether you've got a single vessel or an entire fleet, you can rest assured that your diesel is clean and dry.

# FSLCOD Specifications

Dimensions <sup>1</sup>	<b>Height</b> 34" (86 cm)	<b>Width</b> 30" (76 cm)	<b>Depth</b> 25" (64 cm)	<b>Weight</b> 285 lbs (129 kg)
Connections	<b>Inlet</b> FSLCOD5-10: 1" male JIC (37° flare) FSLCOD20: 1¼" male JIC (37° flare)		<b>Outlet</b> 1" male JIC (37° flare)	
Element Configuration	<b>Pre-filter</b> HP60L13-3MV		<b>Main Filter</b> FSLCOD5-10: HP538L18-CSV FSLCOD20: HP538L38-CSV	
Seals	Fluorocarbon			
Operating Temperature	<b>Fluid Temperature</b> 30°F to 225°F (0°C to 105°C)		<b>Ambient Temperature</b> 40°F to 104°F (4°C to 40°C)	
Materials of Construction	<b>Housings</b> Carbon steel with industrial coating			
Electric Motor	TEFC, 56-184 frame 0.5-2 hp, 1450-1750 RPM			
Motor Starter	MSP (motor starter/protector) in an IP65, aluminum enclosure with short circuit and overload protection.			
Pump	Cast iron, positive displacement gear pump with internal relief. Maximum pressure on pump inlet 15 psi (1 bar). Consult factory for higher pressures.			
Pump Bypass	Full bypass at 150 psi (10 bar) <sup>2</sup>			
Pneumatic Option Air Consumption	~40 cfm @ 80 psi <sup>3</sup>			
Media Description	<b>M</b> G8 Dualglass, our latest generation of DFE rated, high performance glass media for all hydraulic & lubrication fluids. $\beta_{x(C)} = 1000$ ( $\beta_x = 200$ )	<b>Coalesce</b> 100% synthetic fiber media	<b>Separator</b> TEFLON® coated screen (water barrier)	
Fluid Compatibility	Petroleum based fuels, #2 Diesel (standard). For other fuel options contact factory.			
Hazardous Environment Options	Select pneumatic powered unit (Power Option 00) or explosion proof NEC Article 501, Class 1, Division 1, Group C+D. Call for IEC, Atex or other requirements. If Explosion Proof option (X--) selected, no electrical cord or cord reel will be included.			

<sup>1</sup>Dimensions are approximations taken from base model and will vary according to options chosen.

<sup>2</sup>10 GPM pump is rated for intermittent duty only at pressures above 100 psi. Continual operation with dual clogged filters resulting in operating pressures over 100 psi will reduce pump life and/or cause premature pump failure.

<sup>3</sup>Air consumption values are estimated maximums and will vary with regulator setting.  
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# FSLCOD Part Number Builder

FSLCOD    -

Flow Rate      Indicator      Power Options      Special Options

Flow Rate<sup>1</sup>

<b>5</b>	5 gpm (18.9 lpm)
<b>10</b>	10 gpm (37.9 lpm)
<b>20<sup>2</sup></b>	20 gpm (75.7 lpm)

ΔP Indicator<sup>3</sup>

<b>D</b>	22 psid visual gauge + electric switch
<b>E</b>	22 psid visual gauge

Power Options Contact factory for options not listed	<b>60 Hz, 1750 RPM</b>	<b>50 Hz, 1450 RPM</b>	<b>Pneumatic</b>
	<b>12</b> 120 V ac, 1P	<b>11</b> 110 V ac, 1P	<b>00</b> Pneumatically driven air motor & PD pump. FRL & flow meter included.
	<b>22</b> 208-230 V ac, 1P	<b>21</b> 220 V ac, 1P	
	<b>23</b> 208-230 V ac, 3P	<b>40</b> 380-440 V ac, 3P	
	<b>46</b> 460-480 V ac, 3P	<b>52</b> 525 V ac, 3P	
	<b>57</b> 575 V ac, 3P		

**Explosion proof - Class 1, Division 1, Group C+D per NEC 501 – Ready for outdoor use**  
**X\_** Add X prefix to power option listed above. Not available with (00) Pneumatic Option.

Special Options

<b>A1<sup>4</sup></b>	Electrically powered automatic water drain
<b>B</b>	Complete filter bypass line
<b>C</b>	CE marked for machinery safety directive 2006/42/EC
<b>D</b>	High filter ΔP auto shutdown
<b>E</b>	100 mesh cast iron basket strainer
<b>F</b>	Filter element ΔP gauge with tattle tale follower needle
<b>G</b>	Spill retention pan with fork guides (industrial coated steel)
<b>J</b>	Add pressure gauge between pump & filter assembly
<b>K</b>	HP75L8-149W Spin-On suction strainer
<b>L</b>	High filter element ΔP indicator light
<b>M</b>	Total system flow meter (120 cSt max)
<b>N</b>	PM-1 ready (plumbing only)
<b>O<sup>5</sup></b>	On-board PM-1 particle monitor & clean oil indicator light
<b>S<sup>6</sup></b>	All wetted components 303 or higher stainless steel
<b>U</b>	CUL and/or CSA marked starter enclosure for Canada
<b>W</b>	Automatic air bleed valve
<b>Z</b>	On site start-up training

<sup>1</sup>Nominal flow rates at 60 Hz motor speeds.

<sup>2</sup>20 gpm machine utilizes 36" vessel.

<sup>3</sup>Coalesce filter only. Particulate filter housing is equipped with pop-up differential indicator.

<sup>4</sup>Requires Electric Power Option.

<sup>5</sup>PM-1 will not function properly in the presence of free or emulsified water at or above saturation point. If selected, PM-1 is installed downstream of the filtration.

<sup>6</sup>With exception to cast iron gear pump.

Want to find out more? Get in touch.

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