



Series

BSD

25 bar

360 psi

FUEL AND LUBRICANT SPIN-ON FILTERS

DESCRIPTION

Modern diesel engines have achieved high efficiency levels, thanks to high technology fuel injection systems. In these systems the nozzles dimensions of the injectors, as well as the high working pressure, play a fundamental role for a complete, clean and efficient combustion. With these devices it is essential that the fuel in the circuit is completely free of impurities.

Diesel fuel makes a long journey from the refinery to the vehicle bulk tank, and receives many transfers, with various potential sources of contamination, consisting in solid particles and water. Both solid particles and water content can have harmful effects on the engine equipment and its functionality. For total protections of the injection systems both contaminants and water must be removed.

FAI FILTRI has designed the ranges of spin-on FUEL FILTERS and WATER ABSORBING FILTERS suitable for these purposes, addressed to applications like IN-OUT filtration at bulk storage tanks, fuel pumps and hose reels, in mobile and stationary systems.

In parallel with the FUEL range, FAI FILTRI has designed a second family of spin-on filters, intended for oil filtration, and divided into LIGHT OIL and HEAVY OIL types, characterized by a superior degree of efficiency for solid contaminants.

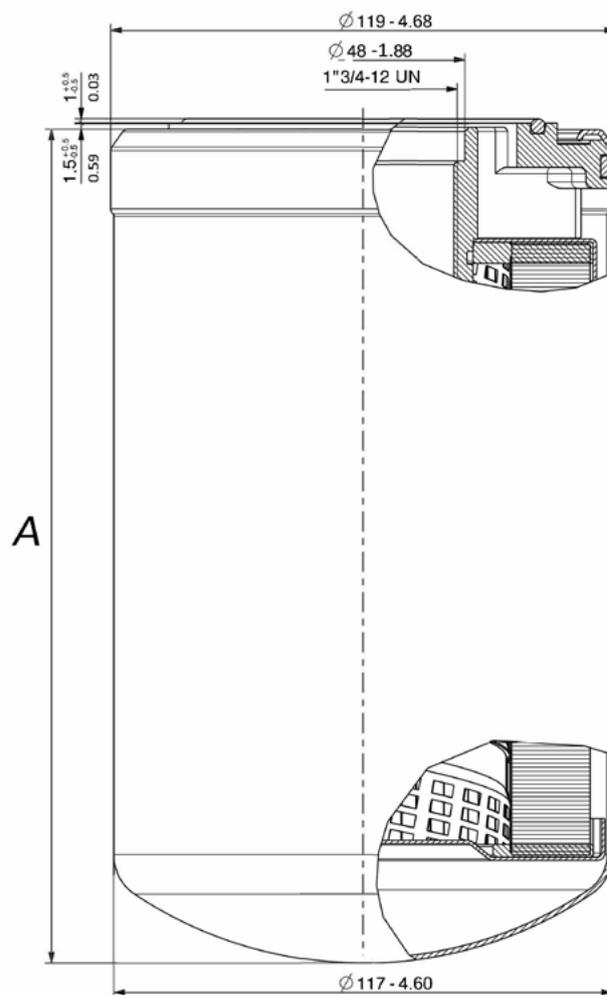
Applications can be engines, generators or any other machinery or equipment with a hydraulic system. Typical usage destinations for LIGHT OIL models are transmission systems, and hydraulic systems; those of the HEAVY OIL models are gearboxes and engine lubrication systems.

Each filter type has a specific degree of filtration, compatible with the range of viscosity of the oil used: on a wide range of flow, an acceptable level of pressure loss is guaranteed, for optimal system functionality.

TECHNICAL DATA

These ranges of filters benefit of some high technology features: electrostatic charges neutralization, to prevent filter media micro damages, epoxy coating of some metal components, for increased fluid chemical compatibility, Viton gaskets, for lifetime service and maximum sealing performance. In the case of the WATER ABSORBING FILTER a special media can retain high amount of water that contaminates the fuel.

Filtering Media	Inorganic Microfibers
Flow direction	Out - In
Max Flow Range	120 lpm - 32 gpm ~ 245 lmp - 65 gpm
Max working pressure	25 bar - 360 psi
Element collapse pressure	10 bar - 145 psi
Rated static burst pressure	55 bar - 800 psi
Operating temperature range	-20 / +120 °C - 4 / 248 °F
Gasket	Viton



	Fuel		Water absorbing	Light oil	Heavy oil
Part Number	BSD-300-DA04-V	BSD-500-DA04-V	BSD-500-HWA-V	BSD-500-HA07-V	BSD-500-HA25-V
Donaldson C. R.	DBB5333	DBB8666	DBB0248	DBB8665	DBB8664
Fluid	All DIESEL fuels		Ethanol-free fluids	Transmission and hydraulic oil	Engine and gear oil
Efficiency	4 micron @ Beta 2000		N/A	7 micron @ Beta 2000	25 micron @ Beta 2000
Quote: A	198 - 7.79	355,5 - 139.96			



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