Parker Product Datasheet



The Racor 110A Series is a, two-piece, all aluminum fuel filter water separator designed for use in high-pressure gasoline and diesel engines.

PART NUMBER: 110A
PRODUCT SERIES: 100
CORE PRODUCT: in EMEA

PRODUCT OVERVIEW

The 110A Series is a two-piece, all aluminum fuel filter water separator with a cartridge-type filter element that's ideally suited for use in gasoline and diesel engines equipped with high-pressure injection systems. It can be installed on the vacuum or pressure side of a fuel pump (up to 100 psi /6.9 bar) with a maximum flow rate of 15 gph (57 lph) for diesel fuel and 35 gph (132 lpm) for gasoline.
The compact size and four-port versatility make the 110A Series a popular fuel filter/ water separator for small engine applications. The filter features 1/4″- 18 NPTF (SAE J467) inlet and outlet fuel ports and a unitized mounting bracket. Its two-piece, powder-coated die-cast aluminum construction ensures long life and reliable service regardless of the environment.

Servicing of the filter assembly is accomplished by spinning off the bottom bowl from the mounting head. Collected water is drained from a ½"-20 UNF bolt. Inlet and outlet ports are available on either side of the unit. Fuel enters the inlet and travels inside-out through the cartridge filter assembly. Any collected water falls down through the center of the element, while fuel exits through the filter to the outlet.

Markets:

•Agriculture
•Construction
•Power Generation
•Oil and Gas

Applications:
•Diesel and Biodiesel Engines
•Gasoline Engines

Benefits:
•Removes water that enters the system through condensation in the fuel tank. Any water present in the fuel stream will support bacterial growth, which can cause clogged filters and result in the formation of corrosive acids. Susceptible components then rust and corrode, leading to erosion and wear of critical fuel system components.
•Removes hard particles present in air that are introduced during fueling, such as sand and silica.
•Removes soft contaminant particles from overheated and degraded diesel fuel, which coat filters with black asphaltene-like substance, leading to power loss and engine shutdown.
•Prevents costly injector damage and increases operational life of downstream filters.
•Saves time and money by eliminating unplanned maintenance and unscheduled downtime from system component failure.
•Servicing is made easy by the spin-on bowl assembly and simple cartridge filter change-out procedure.

Features:
•100 psi /6.9 bar operating pressure (can be used on vacuum side of pumps)
•4 port (1/4″- 18 NPTF (SAE J467)), die-cast unitized head
•Mounting holds spaced at 1.4' (35.6 mm), for 1/4' bolt
•Two-piece powder-coated aluminum construction
•Flow rates up to 35 gph (132 lph) with gasoline applications
•Flow rates up 15 gph (57 lph) for diesel fuel applications
•Certifications: ABYC, NMMA type accepted, UL listed
•Compact design and heavy-duty construction

TECH SPECIFICATIONS

MAXIMUM OPERATING PRESSURE	100 psi
MOUNTING HOLE DIAMETER	1.4 inch
CLEAN PRESSURE DROP	1.03 kPa

CLEAN PRESSURE DROP	0.15 psi
PRODUCT SERIES	Cartridge FF/WS
HEIGHT	6 inch
OPTIONS	Water In Fuel Detection
PORT SIZE	1/4'-18
NUMBER OF PORTS	4
MATERIALS OF CONSTRUCTION	Powder Coated Die-cast aluminum
MEDIA	Aquabloc®
FLOW RATE	57 L/hour (Diesel)
WIDTH	3.2 inch
BRAND	Racor
DIVISION	Engine Mobile Original Equipment Division
DEPTH	3.2 inch
MICRON RATING	10 micron
OPERATING TEMPERATURE	-40 to 250 °F
WEIGHT	1.3 lb / 0.59 kg
WIDTH	8.1 cm
OPERATING TEMPERATURE	-40 to121 °C
HEIGHT	15.2 cm
FLOW RATE	132 L/hour (Petrol)
DEPTH	8.1 cm
PORT SIZE	NPTF SAE J476
FLOW RATE	15 gal/hour (Diesel)
ELEMENT REMOVAL CLEARANCE	Below 2.1 inch (5.1 cm) inch
FOR FLUID TYPE	Diesel or Gasoline
MAXIMUM OPERATING PRESSURE	6.9 bar

COMPATIBLE ELEMENT	R11S = 2 micron R11T = 10 micron
MOUNTING HOLE DIAMETER	35.6 mm spaced for 1/4 bolt
FLOW RATE	35 gal/hour (Gasoline)