

FBO FILTER VESSELS

FBO Filter Assembly

Racor's FBO-10 and FBO-14 filter assemblies are designed to meet the toughest hydrocarbon refueling conditions and provide for ease of cartridge change outs.

The FBO assembly can be used on mobile refuelers or installed in refueling cabinets. The unit can also be used for diesel fuel dispensing pumps or as a primary fuel filter/water separator for large diesel engines.

The assembly features a locking ring collar, which attaches the filter housing to the aluminum die-cast filter head with four bolts. The slotted locking ring collar allows maintenance personnel to hand-loosen the four collar bolts, rotate and lower the bowl assembly for cartridge change outs. With new cartridge installed, simply raise the bowl and rotate into position on the locking ring and hand tighten evenly.

The closure hardware consists of stainless steel nuts, bolts and washers with metal hand knobs for ease of maintenance – one person can easily change the filter element. No wrenches or other special tools are required. 100 LB-IN torque is highly recommended.



Standard Design Features

- Die-cast aluminum head
- Steel filter bowl assembly
- Powder-coated components
- Locking ring collar, no V clamps
- 1 1/2" NPT Inlet and Outlet
- 10 bar @ 240° F max design pressure
- Manual drain valve
- Manual vent valve

Options

- Mounting bracket
- Sight glass
- Pressure diff. indicator
- Water Probe

Applications

- Diesel fuel, aviation gas, gasoline and kerosene

Installations

- Diesel fuel dispensing system
- Marine fuel docks
- Fuel systems on large diesel engines



UL listed versions are available as part numbers FBO-10-MA and FBO-14-MA. See bulletin 7694.

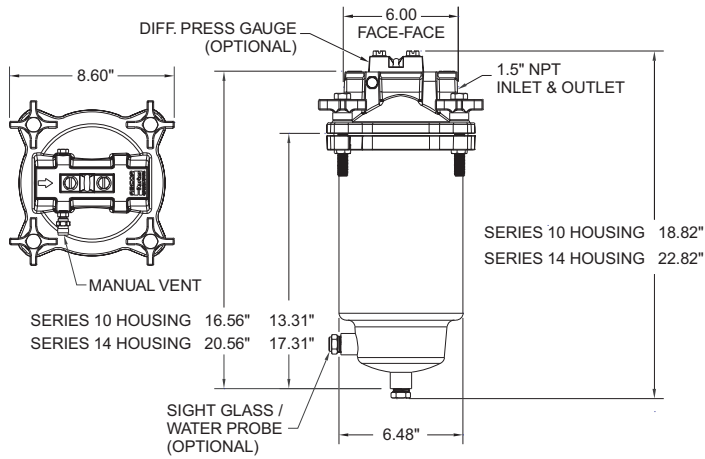
Performance Specifications

FBO-10	Maximum Flow Rates				Clean Dry	Change
	Flow Range	Diesel	Kerosene	Gasoline	Delta P	Delta P
Microfilter	5-50 gpm	20	40	50	**	20 PSID
Filter Sep	5-30 gpm	12	25	30	**	15 PSID
Absorber	5-45 gpm	18	35	45	**	30 PSID
FBO-14	Flow Range	Diesel	Kerosene	Gasoline	Delta P	Delta P
Microfilter	10-75 gpm	30	60	75	**	20 PSID
Filter Sep	10-40 gpm	15	30	40	**	15 PSID
Absorber	10-70 gpm	26	55	70	**	30 PSID

** varies with fluid, temperature, free water content and flow rate. The same flow rates apply to the FBO-10-MA and FBO-14-MA.



FBO FILTER CARTRIDGES



Cartridges

	Micron Rating	FBO-10	FBO-14
		6 x 10 Cartridge	6 x 14 Cartridge
Filter Separator	1	FBO-60327	FBO-60336
	5	FBO-60328	FBO-60337
	10	FBO-60353	FBO-60354
	25	FBO-60329	FBO-60338
Microfilter	1	FBO-60330	FBO-60339
	5	FBO-60331	FBO-60340
	10	FBO-60356	FBO-60357
	25	FBO-60332	FBO-60341
Absorptive Filter	1	FBO-60333	FBO-60342
	5	FBO-60334	FBO-60343
	10	FBO-60355	FBO-60358
	25	FBO-60335	FBO-60344

The versatile FBO-10 and the FBO-14 filter assemblies have three cartridge options to meet most field applications.

For refueling applications the filter separator cartridge is used.

The filter separator cartridge removes contaminants and water from kerosene, aviation gas, diesel fuel, gasoline and hydrocarbon fuels.

Silicon treated cellulose cartridges remove particle contaminants down to one micron.

Absorptive cartridges remove water and contaminants from fuel, oil or other hydrocarbon streams.

Review the cartridge chart on this page for field applications.

