

FBO Filter Assembly

Racors' new FBO-10 and FBO-14 filter assemblies are designed to meet the toughest hydrocarbon refuelling conditions and provide for ease of filter change outs. The FBO Assembly can flow at 25gpm (95 lpm) or up to 75gpm (230 lpm) depending on the model, the elements installed and fuel being filtered.

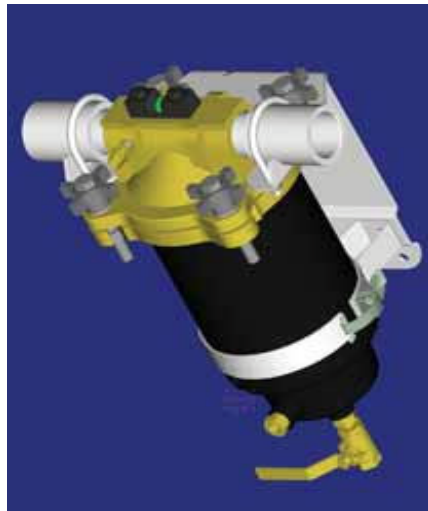
The FBO assembly can be used on mobile refuellers or installed in refuelling cabinets. The unit can also be used for diesel fuel dispensing pumps or as a primary fuel filter/water separator for large diesel engines.

The assembly features a locking ring collar, which attaches the filter housing to the aluminium 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 element change outs. With new element 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 special tools are required.

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

For refuelling applications the filter separator element is used. The filter separator element removes contaminants and water from jet fuel, aviation gas, diesel fuel, gasoline and hydrocarbon fuels.



Standard Design Features

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

Options

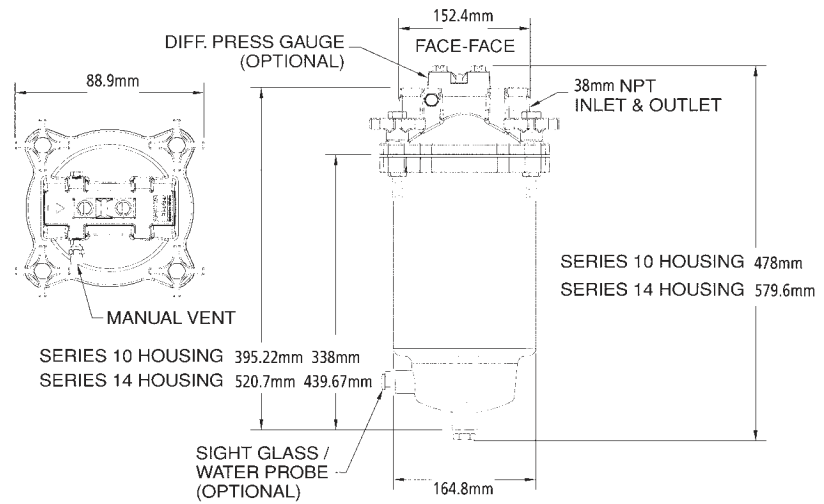
- Mounting bracket
- Sight level gauge
- Pressure diff. indicator

Installations

- Aviation fuel trucks
- Aviation fuelling cabinets
- Diesel fuel dispensing system
- Marine fuel docks
- Fuel systems on large diesel engines

Applications

- Jet fuel, aviation gas, diesel fuel, gasoline, kerosene, JP4, JP5 and JP8.



Element Applications

Application	Micron Rating	FBO-10 6x10 Element	FBO-14 6x14 Element
Filter Separator	1	FBO 60327	FBO 60336
	5	FBO 60328	FBO 60337
	10	FBO 60353	FBO 60356
	25	FBO 60329	FBO 60338
Micro Filter	1	FBO 60330	FBO 60339
	5	FBO 60331	FBO 60340
	10	FBO 60354	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



Performance Specifications

FBO-10	Maximum Flow Rates			Clean	Change
	Diesel	Gasoline	Kerosene	Delta P	Delta P
Microfilter	18 GPM (38 LPM)	52.5 GPM (199 LPM)	35 GPM (132 LPM)	< 2 PSID	15 PSID
Filter Separator	10 GPM (38 LPM)	31.5 GPM (119 LPM)	21 GPM (79 LPM)	< 2 PSID	15 PSID

FBO-14	Maximum Flow Rates			Clean	Change
	Diesel	Gasoline	Kerosene	Delta P	Delta P
Microfilter	25 GPM (95 LPM)	75 GPM (284 LPM)	50 GPM (189 LPM)	< 2 PSID	15 PSID
Filter Separator	15 GPM (57 LPM)	45 GPM (170 LPM)	30 GPM (114 LPM)	< 2 PSID	15 PSID