



**Q. Why do I need a conductive model?**

*Answer:* To comply with aviation and marine regulations, your refueling system needs to be grounded and only the conductive model should be used. The probability of a static fire is greater with gasoline but certainly possible with diesel. Also, the more fuel you pump, the more static is created by the fuel flowing across the surfaces getting into your tank.

**Q. Does FAA approve the use of the conductive funnels?**

*Answer:* FAA does not approve anything outside of the airplane so the technical answer is "no," but they often show the funnel in some of their safety seminars as a safety device to test the quality of fuel. They can't recommend its use since they can't endorse products but they agree it is the best and safest way to refuel from unknown fuel sources. The same goes for the U.S. Coast Guard. Both these agencies insist that the refueling process be properly grounded and this can be done using the black conductive RFF units.

**Q. What makes the black funnel conductive?**

*Answer:* Carbon is injected into the raw materials and makes it just conductive enough to bleed off static electricity as it is generated by the refueling process when it is properly bonded or grounded.

**Q. How do I clean the funnel?**

*Answer:* You don't. Since the screen is coated with Teflon, nothing sticks to the screen. Just turn it upside down and tap it on the rim. If some particles remain just ignore them because they won't go through. No chemicals, no brushes, just leave it alone.

**Q. Can I buy a new replacement filter?**

*Answer:* No they don't wear out.

**Q. How will I know if I have contamination or not?**

*Answer:* Just tilt the funnel to one side and you will be able to see water and dirt under the remaining fuel. If you are experiencing a large amount of water, stop frequently and safely empty out the water and resume refueling. It's that simple.

**Q. What do I do with the stuff left in the sump at the bottom of the funnel?**

*Answer:* You can pour it back into the gas can you were using or have a separate container to place it into. When the container gets full you can run it back through the funnel and you will never waste a drop of useable fuel.

**Q. Can I get replacement parts?**

*Answer:* No. The funnels are self-cleaning and no replacement parts are needed.

**Q. Is the product guaranteed?**

*Answer:* Yes, it is warranted for one year from date of purchase.

**Q. Do I need a top for the funnel to protect it and keep it clean?**

*Answer:* No. The screen is tough and difficult to damage and if some dirt happens to get into the funnel body don't worry, it won't go through.

**Q. Do the funnels work at different temperatures?**

*Answer:* The National Guard in Alaska has used them at 40 degrees below 0 with no problems at all. They are also very popular in Australia, Brazil, and Africa at much higher temperatures.

## Q. Do I need to use a conductive gas can?

*Answer:* Yes. Normal plastic cans are insulators because the plastic is nonconductive. Static can build up and generate sparks when static build up is too great. There is a potential risk when using nonconductive containers to carry and transport fuel. Also NEVER, NEVER refuel cans in vehicles and especially on truck bed liners.

## Q. How do I test it?

*Answer:* First of all, test the funnel with one cup of water in the medium funnel and two cups of water in the large funnel. If no water passes through the screen, the screen is working properly. Although the screen can sometimes catch more water than this, it is not designed to. Water is almost 25% heavier than some fuel and this extra weight builds head pressure which can force the water through the screen. Empty the water as it collects to avoid problems.

## Q. How often do I need to test the funnel?

*Answer:* If the funnel has not been in use for 30 days you should test it with a cup or two of water to be sure it was not damaged since your last use.

## Q. Will the filter work on mixed fuel with 2-cycle oil in it?

*Answer:* Yes, but if your 2-cycle oil has a detergent base, the detergents can break down molecules of water and some water might pass through the screen. Filter the fuel a second time because unless the sump is full of water, it is not possible that any water passed the filter.

## Q. What happens when I use alcohol or fuel additives?

*Answer:* Most additives absorb water so add them to your fuel tank and not the fuel cans or they might bring water into the tank with them.

## Q. Can I use the funnel on all fuels and do I need to clean it before I switch?

*Answer:* You can use the funnel on all fuels and since the surface doesn't absorb any fuel there is no need for cleaning.

## Q. How long will the filter last?

*Answer:* Some units are over 10 years old and still being used on a weekly basis and work as well as the first day they were put into service.

## Q. What makes this funnel different from other funnels with screens in them?

*Answer:* First of all the filter is vertical and has no virtually pressure on it in comparison to a funnel with a horizontal screen. Horizontal screens are quick to clog and difficult to clean. Second, a Racor RFF is Teflon™ coated, and the screen opening is designed to repel the water.

## Q. Which model do I need?

*Answer:* If you are transferring more than 5 gallons at a time the larger RFF8C model is recommended because it is easier to use and you will be less likely to spill any fuel. If you are transferring 1-5 gallons the RFF3C will be adequate, and for small uses like lawn mowers and small generators the small RFF1C is recommended.

## Q. Won't using the funnel slow me down at the pump?

*Answer:* Yes. But you can use the funnel as a testing device if you are going to transfer a large quantity of fuel. If you are going to pump 150 gallons test the first 5 or 10 gallons and inspect the bottom of the funnel. If no water or contamination is visible in the funnel, pump directly into the tank and make another check at 50 gallons and 100 gallons. Usually if there is no contamination to begin with it means that the vendor is taking good care of his filters and you won't need the funnel. If, however, you find any contamination you are better to slow down and use the funnel for the whole refueling process or go to another source.

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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)