

## RAYPAK SERVICE INSTRUCTIONS

PROTÉGÉ SERIES SAND FILTERS RPSF, RPSFP  
KITS 018216F - 018221F, LATERAL ASSEMBLIES  
KITS 018222F, 018223F, LATERALS ONLY

**IMPORTANT NOTICE:** These instructions are for the use of qualified individuals specially trained and experienced in the installation and maintenance of this type of equipment and related system components. Installation and service personnel are required by some states to be licensed. Persons not qualified shall not attempt to install, service, or maintain this equipment.

**DANGER – SHOCK HAZARD:** Make sure electrical power to attached pump and heaters is disconnected to avoid damage to components, potential serious personal injury or death.

**WARNING:** Make sure water & power have been turned OFF before making any repairs or service to the unit.

### Scope

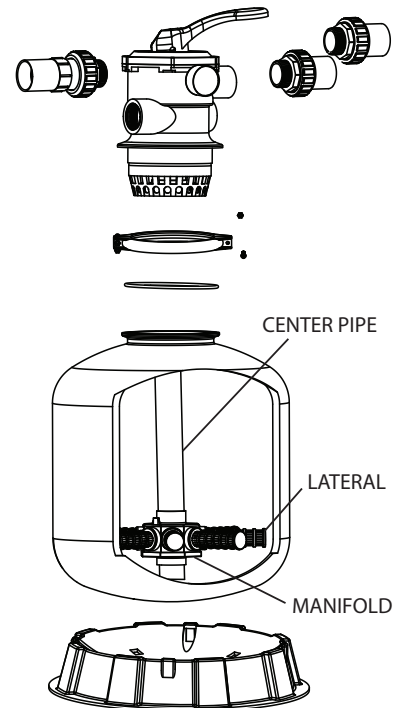
This kit provides the parts required to replace the Lateral Assembly for the Protégé Line of sand filters.

### Required Tools

- Curved-jaw tongue-and-groove pliers
- Phillips head screwdriver

### Kit Parts

Kit	Model No.	Parts Provided
018216F	RPSF14	Center Pipe Laterals Manifold
018217F	RPSF16	
018218F	RPSF18	
018219F	RPSF21	
018220F	RPSF25	
018221F	RPSF28	
018222F	RPSF14-RPSF18	Laterals only
018223F	RPSF21-RPSF28	



## Replacing Lateral Pipe Center Assembly

1. Turn off the electrical power at the Pump's power switch and/or unplug it at the receptacle.
2. Close the water valves, if installed, to isolate the filter from the system.
3. Remove multiport valve from the top of the tank, and all sand media. (Refer to separate instruction sheet P/N 241838 as needed.)
4. Holding the center pipe assembly inside the tank, grasp the lateral arm near the center manifold and turn firmly counter-clockwise to unscrew as shown in **Figure 1**.

**NOTE:** Lateral arms have locking notches to ensure solid attachment. It may be necessary to use curved jaw tongue-and-groove pliers to turn the lateral arm. Use caution to avoid crushing.



Figure 2. Lateral Assembly Installed into Tank.

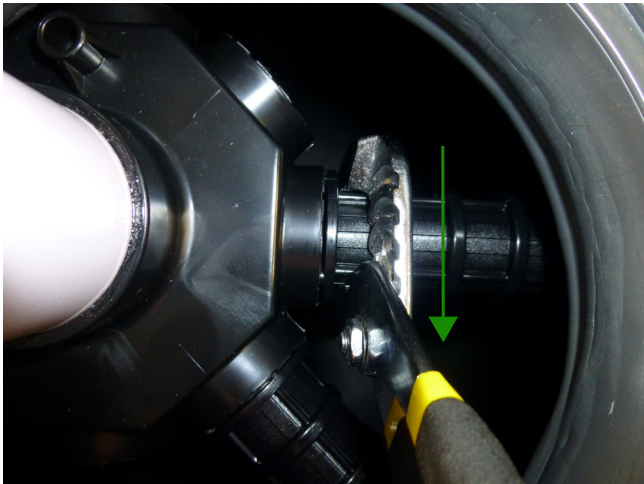


Figure 1. Removing Lateral from Manifold (Counter-Clockwise)

5. Remove all (8) eight lateral arms from the center manifold in order to remove the manifold from the tank.
6. The new center pipe and lateral arms must be assembled inside the tank. Holding the center pipe and manifold, install each lateral arm, screwing them in by hand until you hear an audible click.
7. When all 8 laterals are installed into the manifold, the full assembly may be stood upright so that the top of the center pipe is centered at the opening of the tank as shown in **Figure 2**.
8. Add the appropriate amount of sand media, and reinstall the multiport valve.