

# Rediflo II Ground Water Pump Maintenance

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# TIPS FOR MAXIMIZING OPERATIONAL LIFE OF PUMP

Use cooling shroud while:

- Purging / sampling from a well with  $> 2$  inch diameter.
- Cleaning pump between sampling sites.
- Performing tests / maintenance that require pump operation.



Photo from  
<http://www.geotechnv.com>.

**WEEKLY CLEANING / MAINTENANCE**

**-**

**perform at base of operations**

Visually inspect pump system exterior

- Check reel for damage
- Check pump exterior for damage
- Check tubing and motor lead for damage (first few feet closest to pump are most likely to become damaged)
- Clean reel, pump exterior, tubing & motor lead.



Photo from  
<http://www.geotechnv.com>.

Disconnect pump  
from tubing.

Use caution -  
do not damage  
motor lead.

Compression fitting may be  
used to connect pump and  
tubing.



Remove screw on pump screen.



Carefully slide  
screen off pump  
head.

Use caution!  
Do not nick /  
damage motor  
lead.

Clean screen  
after it has been  
removed.

Place motor lead against flat  
portion of pump housing.

This will give motor lead  
extra room and help prevent  
damage while moving  
screen.





Unscrew pump  
housing.





In pump housing:  
remove both sets  
of stainless steel  
impellers and  
Teflon washers  
from rotor shaft.

Clean pump  
housing.

Rotor shaft contains 2 sets of impellers and  
washers.



Inspect and clean Teflon washers and stainless steel impellers.

Teflon washers are essential pump components that must be replaced when well worn. Order spare parts now!

Stainless steel impeller replacements no longer available.



Remove the three Allen screws from end cap, then remove pump end cap.



Drain water from stator housing and remove the rotor.

Check rotor for damage / scoring.

Inspect and clean rotor & two Teflon thrust washers (one on each end).





Reassemble pump after  
parts have been  
thoroughly inspected  
and cleaned.

