

Installation, Operation and Maintenance Instructions



HYDROFLOW

**OIL SKIMMER
DRIVE MOTOR
RETROFIT KIT
MODEL 83-1225**

ERIEZ MAGNETICS HEADQUARTERS: 2200 ASBURY ROAD, ERIE, PA 16506-1402 U.S.A.
WORLD AUTHORITY IN SEPARATION TECHNOLOGIES

This kit allows the user to change their existing oil skimmer over to the new improved fan cooled drive motor.

CONTENTS

- (1) 83-1235 motor with fan
- (1) 83-1817 motor fan enclosure
- (4) 8-32 x 38" machine screws for mounting the motor to the frame

REMOVAL OF EXISTING MOTOR/ENCLOSURE

1. Unplug the unit from the electric outlet.
2. Remove the drive roller by loosening the screw that holds it to the shaft.
3. Remove the oil collection tray if required.
4. Remove the two sheet metal screws on each side of the frame that attach the frame to the existing enclosure.
5. Remove the four (4) pan head screws that attach the existing motor to the frame.
6. Remove the ground wire from the existing motor by loosening the motor screw.
7. Remove the two (2) male spade connectors from the motor terminals and set the motor aside.
8. Remove the electric cord and cord grip from the existing enclosure. Use pliers to squeeze the cord grip and pull the cord.
9. Place the white fan with the end that has a metal band around the center hub on a flat surface and gently push the small motor shaft of the motor into the fan. If the shaft has been pushed too far use a flat blade screwdriver and gently pry the fan up the shaft.

INSTALLATION OF NEW MOTOR/ENCLOSURE:

1. Install the electric cord and cord grip into the new enclosure. Remove at least 6" of the outer sheath from the black, white, and ground wires. Minimize the length of cord with sheath inside the enclosure.
2. Attach the ground wire to the motor by loosening (1) of the motor screws on the fan end of the motor. A torx head driver is required.
3. Attach the (2) male spade connectors to the motor terminal.
4. Make sure all wires are behind the fan. Bend the wires so they are away from the fan and close to the motor body.
5. Install the motor to the frame using four (4) 8-32 x 3/8" pan head screws.
6. Lay the frame down on a flat surface with the motor shaft pointing down.
7. Make sure the wires are not touching nor near the fan then place the enclosure on and into the frame.
8. Fasten the frame to the enclosure using (2) sheet metal screws.
9. Plug the unit into a 120-volt outlet and make sure the motor shaft moves. If it does not rotate, one or more of the electric wires are interfering. Remove the enclosure and check the wires.

CAUTION

Check the fit between the new enclosure and old frame. Some adjustments may be required to ensure a proper alignment.

Prior to installation of the new enclosure the oil collection tray may need to be mounted to the frame.

If the unit is equipped with a *metal drive roller*, a new drive roller #83-2060 will need to be purchased in order to install motor #83-1235 provided with this kit.



HydroFlow, Eriez and Eriez Magnetics are registered trademarks of Eriez Manufacturing Co, Erie, PA

©2018 Eriez Magnetics All Rights Reserved



World Authority in Separation Technologies

Headquarters: 2200 Asbury Road, Erie, PA 16506-1402 U.S.A.

Telephone: 814-835-6000 • Fax: 814-838-4960

Web Site: <http://www.eriez.com> e-mail: eriez@eriez.com



Manufacturing Facilities: AUSTRALIA • BRAZIL • CANADA • CHINA • INDIA • JAPAN • MEXICO • SOUTH AFRICA • UNITED KINGDOM • UNITED STATES