


# VP1200 Series

## Self-Contained Suction Pump Dispenser-Mounted Vacuum Source

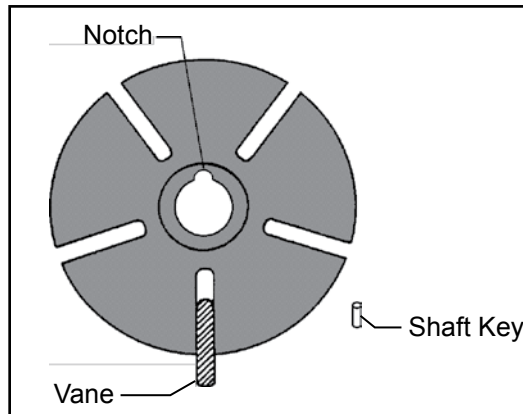
### Vane/Rotor Service & Replacement Guide

**Caution**  **Disconnect power before beginning service.**

1. The work area **must** be clean and have sufficient lighting.
2. Disconnect the vapor piping connected to the **IN** and **OUT** ports of the VP1200.
3. Remove the pump cover screws and carefully remove the cover.

**Caution**  **Use a spill cloth when removing the cover, as there may be some gasoline inside the pump cavity.**

4. Turn the rotor assembly gently by hand until the shaft key notch is at the 12 o'clock position. (See Figure 1)



**Figure 1: Vane/Rotor**

5. Remove the rotor, vanes and shaft key from the pump housing.

**Note:** Place your hand or a container under the rotor while removing. Do not use any sharp objects that would scratch the pump cavity, shaft, rotor or vanes.

6. Rotate the shaft by hand. If the shaft does not rotate freely, the entire pump needs replacement.
7. If the rotor and vanes are cracked, chipped, excessively worn or dirty, the rotor and vanes should be replaced because cleaning alone will not remedy the situation. (PN# VP1200VR)
8. If there is no visible damage, use a lint-free cloth with isopropyl alcohol to clean the rotor and vanes.
9. Using a lint-free cloth with isopropyl alcohol, thoroughly clean the inside of the pump ring, the rear of the pump cavity, the rotor shaft and the inside of the cover.
10. Reposition the shaft (if necessary) so that the shaft key notch is in the 12 o'clock position. Install the cleaned original or new shaft key onto the shaft.
11. Carefully install the cleaned original or new rotor onto the shaft followed by the cleaned original or new vanes into the rotor.

**Note:** The rotor assembly should slide on to the shaft easily, without excessive force. (Rotors and vanes are reversible)

12. Reattach the back cover to the pump body.
13. Re-connect the vapor piping to the **IN** and **OUT** ports of the pump.
14. Test for normal operation. (See VP1200 Maintenance and Installation Instructions)