

# Maintenance Intervals on Becker VX 4.10/16/25/40 Series Pumps

## \*Every 40 to 200 Hours

\*Check and clean air intake filter. Every 4 filter cleanings a new filter should be installed and minimally every year. (D)

\*Blow dust and debris off outside of pump.

## \*Every 7500 Hours

\*Check Vanes for minimum width. Replace if necessary. (G)

VX 4.10 – 18mm minimum width

VX 4.16 – 21mm minimum width

VX 4.15 – 28mm minimum width

VX 4.25 – 28mm minimum width

\*Inspect vanes for improper wear (cupping or uneven wear). Replace if necessary.

\*Some cupping of the flat surface of the vane is normal. If cupping exceeds 25% of the original thickness, replace the vanes.

\* Check and clean the end shield for heat damage or scoring. If any exists, contact your factory representative.

\*Make sure to replace the vanes so the beveled edge rides smoothly against the cylinder wall. If the vanes are installed backwards the vane only contacts the cylinder wall at one point. (G)

(X) Refers to pictures in operating instructions

### **Tips for Increasing Vane Life**

Vane life depends mostly on two factors: temperature and vacuum level. Run the pump as cool as possible by installing the pumps in an ambient environment that has adequate air flow and a max temperature of 100°F. Also, keep dirt and debris off the pump and motor using compressed air every 2000 hours when performing other maintenance procedures. Starting and stopping more than 3 times per hour will also deteriorate vane life. Run the pump at the lowest acceptable vacuum level.

*\* These intervals are basic guidelines. You may find either more or less frequent attention is needed, depending on your application.*

**MAINTENANCE KIT VX/DX/X 4.10 P/N 338078M0000**

**MAINTENANCE KIT VX/DX/X 4.16 P/N 338079M0000**

**MAINTENANCE KIT VX/DX 4.25 P/N 338080M0000**

**MAINTENANCE KIT VX/DX 4.40 P/N 338082M0000**

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