

Power Plant Vacuum Performance Survey

We will bring our flow and pressure measurement equipment to the station and perform an orifice test on each vacuum pump (any make). The data collected is utilized to compare the current dry air performance of your existing vacuum pump to the original manufacturer's marketing performance curve.

- We can orifice test vacuum pumps used on condenser exhausters, FGD gypsum dewatering, fly-ash conveying and water box priming.
- Viewing the original OEM pump marketing curve alongside the tested performance curve for your existing pump provides a true measure of how your pump is performing.
- With proper preparation, we can typically test up to six (6) pumps in one day.
- Prior to scheduling the test, we need to know; the make & model number (i.e. Nash AT2004) and RPM (not motor RPM) for each vacuum pump.



SERVICE CHARGES

- **LABOR:** Minimum charge of \$1,800.00/day for time of 8 hours or less.
- **TRAVEL:** Actual travel and living expenses incurred by our employee. This includes lodging, meals, air fare, car rental or taxi. **
- A written survey report will be submitted within 2-3 weeks.

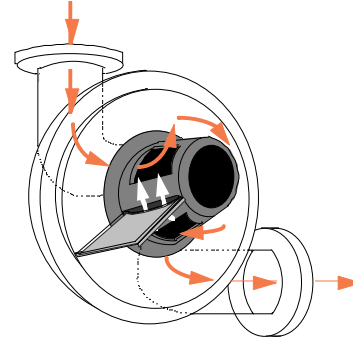
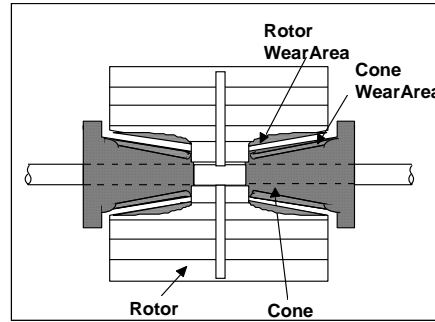
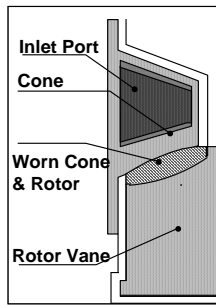
**Both labor and travel expenses accrue from the time our employee leaves Charlotte, NC until he returns to Charlotte, NC.



STUDY - TEST - REBUILD

Power Plant Vacuum Performance Survey

As an internally cast iron pump ages and is exposed to process carryover, the rotor/cone clearance will increase due to corrosion and/or erosion.

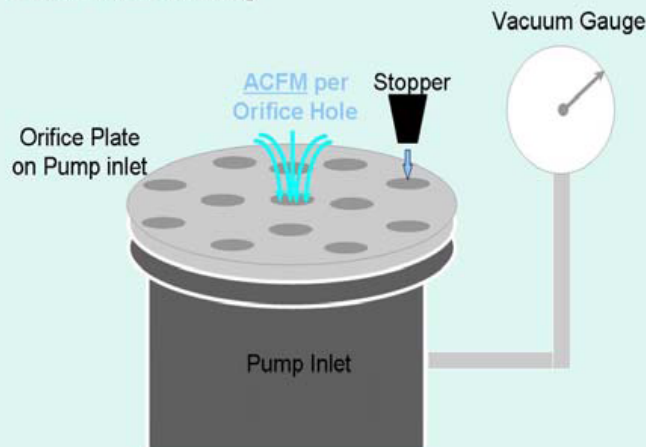


With age, "Vaneslip" occurs and airflow at vacuum declines.

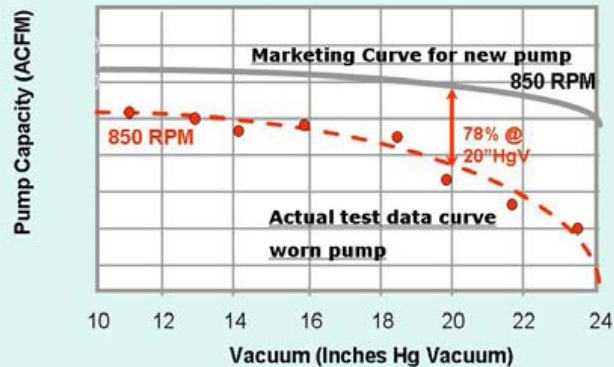
Worn rotor vanes will allow high pressure air from the discharge segment to leak under vanes, "slip" back into the inlet segment and rob space available

Orifice Plate Test Vacuum Pumps to determine airflow compared to new pump capacity and to your actual service demand.

Orifice Plate Testing



Vacuum Pump, Actual Cubic Feet / Minute, ACFM @ vacuum Measured by Orifice test method



STUDY - TEST - REBUILD

Service

- New pumps
- Rebuilds
- Field testing service
- Spare parts

All available from our facility in Charlotte, North Carolina.



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