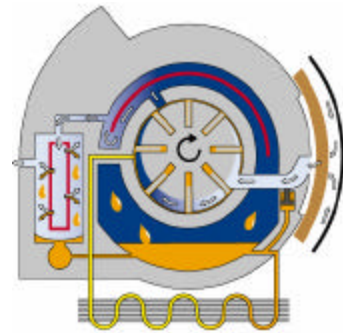
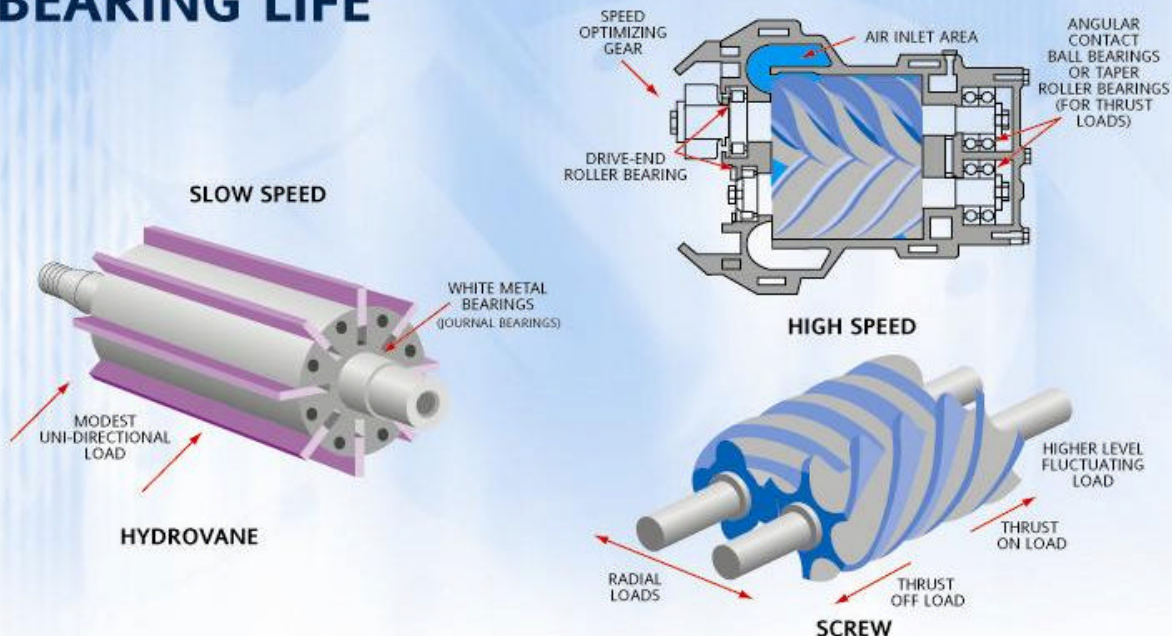


Ten Reasons Why Rotary Vane Compressors are Simply the Best Value for Compressed Air

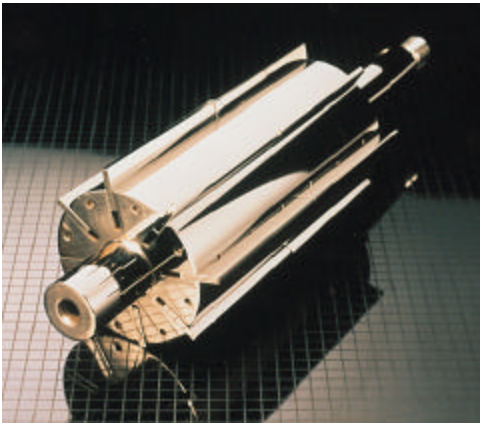
1. **Rotary vane** compressors have been designed and manufactured for about 50 years and offer the proven performance of over 500,000 units operating in all conditions and environments throughout the world.
2. **Rotary vane** compressors are direct coupled to the electric motor (without gearbox) through a machined bell-housing. This coupled design ensures perfect alignment of the compressor and motor eliminating the maintenance and noise associated with gear boxes. Further, there are no bearing side loads, horsepower losses or slippage common with v-belt drives.
3. **Rotary vane** compressors operate at a rotational speed of only 1,750 RPM, while competitive rotary screw compressors operate at male rotor speeds of from 2,500 to 9,000 RPM. The lower rotating speeds of a rotary vane compressor mean longer bearing and airend life.
4. **Rotary vane** compressors are not subject to catastrophic airend damage in the event of bearing failure. Bearing failure in rotary screw compressors generally allow the male and female rotor to make contact resulting in major damage to the rotors, shafts, and stator housing.



BEARING LIFE



5. **Rotary vane** air compressors frictionless operation, without any axial forces on the bearings, results in bearing life of 100,000 to 150,000 hours of real running time before air end rebuild. This is not a B-10 or L-10 bearing failure life rating, but true running hours in operation. This is virtually double the bearing life of comparable rotary screw air compressors. Axial thrust is produced in all rotary screws, shortening bearing life and causing problems with roller and ball bearings. This axial load is the weakest point of all rotary screw compressors.
6. **Rotary vane** compressors have only two shell type bearings, and therefore major overhauls cost less than half the price of comparably sized rotary screw air compressors, which can have up to seven or eight bearings.
7. **Rotary vane** compressors self adjusting vanes mean no decrease in output with increase in age; 100% output is maintained for the life of the compressor. The Meehanite iron vanes are backed by a five year guarantee against wear or defect under normal operating conditions.



8. **Rotary vane** air compressors' integral design utilizes only two oil line connections and one air line connection, unlike most rotary screw compressors which can have upwards of fourteen connections for lubrication and control lines. Minimizing these connections reduces oil leakage and results in cleaner, more serviceable equipment.
9. **Rotary vane's** unique modulating control system accurately matches compressor supply to air system demand, resulting in fluctuations in plant air pressure of only 1 – 2 psig. Constant pressure means improved equipment performance and substantial energy savings.
10. **Rotary vane's** cartridge type coalescing oil separator elements offer the lowest oil carry-over figures in the industry...less than 1 – 2 PPM. Rotary vane compressors use a multilevel internal separation system before the vapor is ever introduced into the separators. This increases their performance and their life.

Rotary Vane Compressors . . . Simply the Best!!!