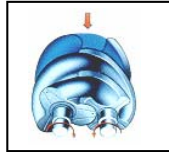
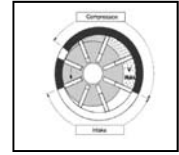


Aerzen Oil Free Screw Compressors vs. Sliding Vane Compressors



THE TECHNICALLY AND ECONOMICALLY SOUND ALTERNATIVE



Screw compressor advantages:

1— 100% oil-free and carbon-free air over the life of the machine:

- no lubrication is required within the compression chamber, regardless of operating and pressures
- no carbon build up causing clogging of the aeration medium in homogenizing silos; no pressure rises due to clogging, over time
- oil contamination of downstream components (e.g. dust collector bags) is absolutely nil, by design
- machine does not reduce product quality, regardless of the number of product transfers

2— Lower energy, oil, and water consumption:

- as the heart of the compressor, the rotors, operate without making contact, mechanical losses are reduced to a minimum
- discharge temperatures are reduced
- machine is air cooled, no cooling water is required
- oil system is self-contained / continuous circulation type

3— Machine life:

- wear is limited to bearings, gears, and seals
- no wear in critical components, i.e. rotors and casings

4— Replacement parts and maintenance:

- no vanes requiring periodic replacement or causing housing wear
- no oil consumption
- no continual checks on lubrication system; lube system is monitored by instrumentation
- maintenance is limited to an annual oil change and periodic cleaning/replacement of the inlet filter
- standard motor sizes / speeds; inexpensive to repair / rewind

5— Impact on environment:

- none, except for the annual disposal of lubricating oil

6— Reliability:

- superior, due to absence of wear in compression chamber, relatively massive construction and balance of rotating components

7— Flexibility:

- integrated gearbox permits subsequent capacity changes at minimal cost

8— Initial investment:

- compressor may or may not be more expensive than a sliding vane compressor, also standard motors (1800 / 3600 rpm) are used ■



*The best blowers
come from AERZEN*