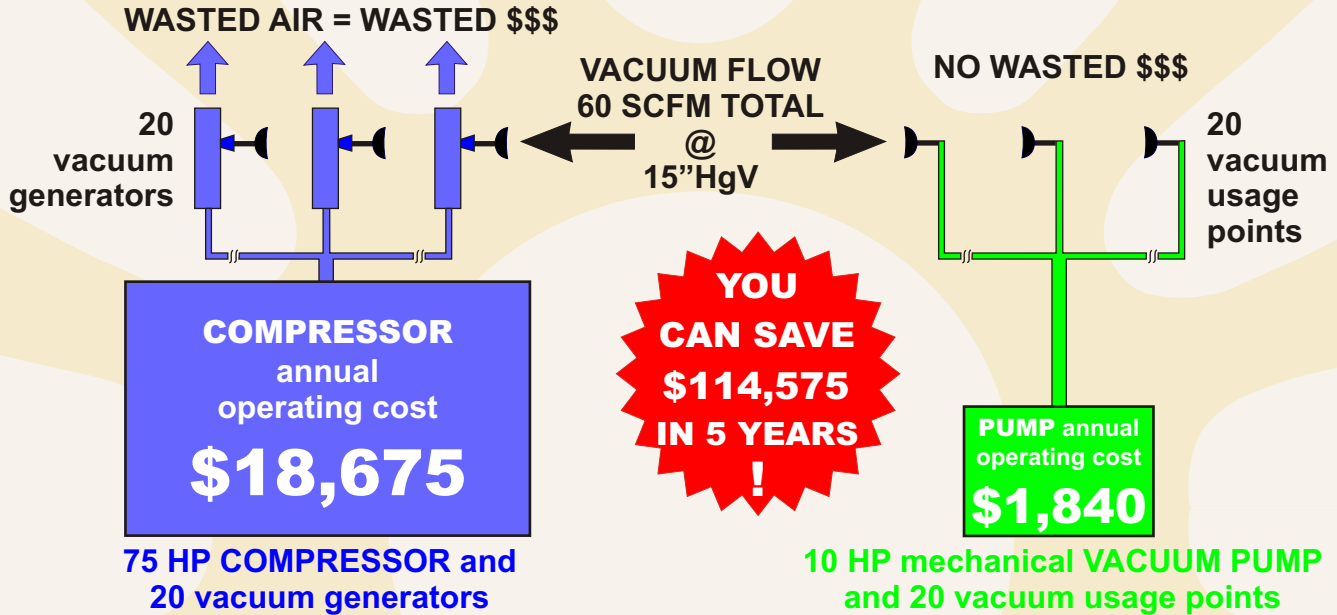


DID YOU KNOW?

Compressed-air Vacuum Generators Waste \$\$\$



Annual operating and capital investments cost comparison based on 75 HP compressor with 20 vacuum generators and 10 HP mechanical vacuum pump system with 20 hook-up points, running for 2000 hours per year and based on energy cost of \$0.10 per kW/Hr

Compressed-air ejectors

Required vacuum level:	15" Hg
Total capacity at 3 SCFM each:	60 SCFM
Minimum compressor capacity required:	265 SCFM
Compressor size selected:	75 HP
Annual energy cost:	\$11,175
Annual compressor maintenance cost:	\$ 7,500
(Based on \$100/Hp/Yr)	
Total annual operating cost:	\$18,675

Mechanical vacuum pump system

Required vacuum level (incl 1" Hg line loss):	16" Hg
Required equivalent capacity:	60 SCFM
Actual inlet capacity at 16" Hg:	128 ACFM
Pump size selected:	10 HP
Annual energy cost:	\$1,490
Annual system maintenance cost:	\$ 350
(Based on \$35/Hp/Yr)	
Total annual operating cost:	\$1,840

Total annual operating savings when using a vacuum pump system:

$$\$18,675 - \$1,840 = \mathbf{\$16,835}$$

Initial Capital Investment

Compressor and 20 vacuum generators \$39,000

Initial Capital Investment

Mechanical vacuum pump system \$8,600

Total capital investment savings when using a mechanical vacuum pump system:

$$\$39,000 - \$8,600 = \mathbf{\$30,400}$$

Total first year savings when using a mechanical vacuum pump system: \$47,235

in 5 years: \$114,575

Let us do a **FREE** Vacuum Assessment and Energy Comparison for you, call us today at 888-925-5444

DEKKER

VACUUM TECHNOLOGIES, INC.

Mechanical Vacuum Pumps and Systems for the Packaging Industry



Reliable and economically priced

DuraVane

Duplex tank-mounted rotary vane vacuum pump system

mechanical vacuum pumps achieve *better performance* than compressed air vacuum generators while using one-fourth to *one-tenth the energy*

The only system with a full 3-year warranty



Vmax VFD

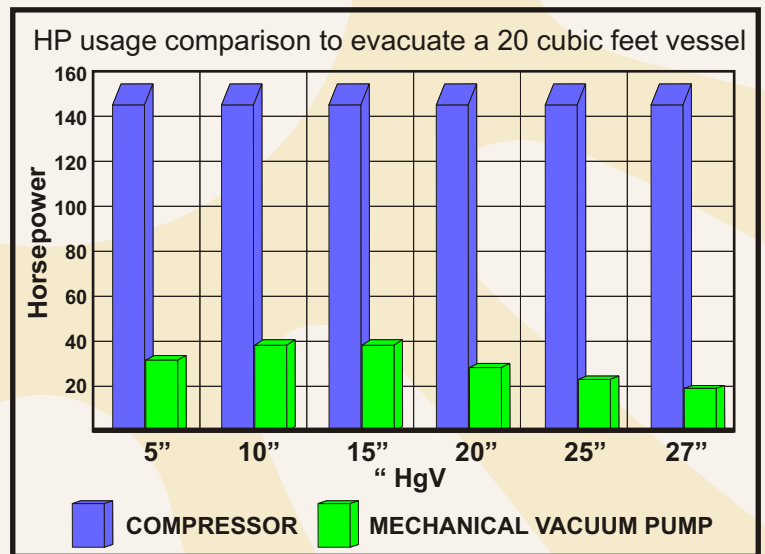
Oil-sealed liquid ring vacuum pump system with Variable Frequency Drive

Shut down a compressor and **SAVE THOUSANDS OF \$\$\$**

ADVANTAGES of Mechanical Vacuum pumps

- * Vacuum can be generated at a central location and distributed through a network of headers and drops.
- * Alternatively, small regional systems can service production equipment groupings.
- * Vacuum piping can be made of less expensive materials such as PVC.
- * A central vacuum system with an electric motor-driven vacuum pump uses only a fraction of the energy.
- * Installing a duplex vacuum pumping station to provide 100% backup can put reliability issues to rest.
- * Unlike vacuum generators, there is no noise at the point-of-use.
- * An optional Variable Frequency Drive upgrade can supply vacuum according to demand, controlling energy consumption for even greater savings.
- * Conversion to mechanical vacuum pumps may qualify for additional saving from your local utility provider. DEKKER can help handling that process.

BY SWITCHING TO MECHANICAL VACUUM PUMPS



Call us for your **FREE** Vacuum Assessment today at 888-925-5444