



S-Serie Screw



S-VSI 300 OXY for protective gas packaging



Dry running screw vacuum pump offers important reductions in operating and maintenance costs

Replacing air by protective gas (MAP) in food packaging extends shelf life and improves the visual presentation of food. The gases principally used for this purpose are carbon dioxide, nitrogen and oxygen. Adding even small amounts of oxygen to air markedly speeds up combustion processes and can cause considerable damage to machinery and equipment.

Elmo Rietschle has developed a dry running screw vacuum pump for packaging under protective gas which needs no coolant or sealing medium in the suction chamber. This pump is water-cooled; the heat generated is dissipated from the packaging room.

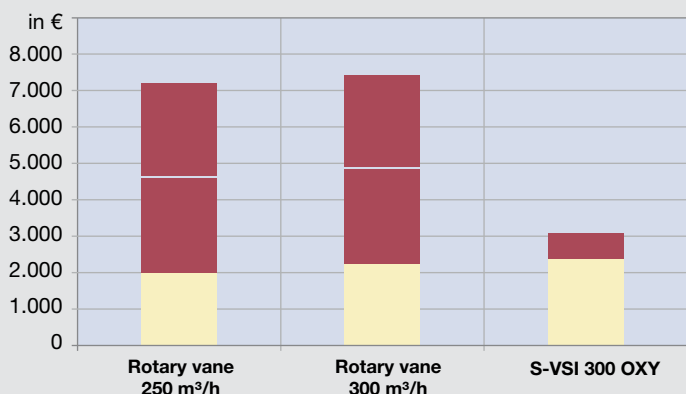
Using this new screw vacuum oxygen pump offers important advantages over oil lubricated rotary vane pumps as you can keep the costs of ownership low.

- Comprehensive logistics
- On-time delivery
- Quick response times
- Designed and manufactured in Germany



S-VSI OXY
TWISTER

Typical maintenance costs for one year comparing rotary vane pumps (250 and 300 m³/h) and the Elmo Rietschle screw vacuum pump S-VSI 300 OXY



Maintenance work

Rotary vane pumps	Screw S-VSI OXY TWISTER
Cleaning suction filter	Cleaning suction filter
Changing oil (8 liters)	Changing gear oil (1.9 liters)
Replacing oil filter	
Replacing oil separator element	

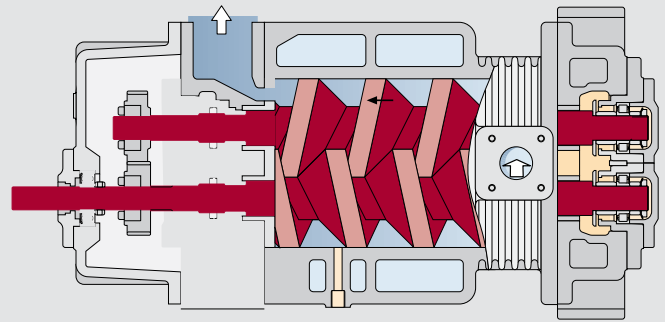
- Electrical bill (20 hours/day for 240 days/year)
- Maintenance costs

Maintenance intervals vary greatly depending on the degree of contamination. The figures above are based on moderate to average applications.

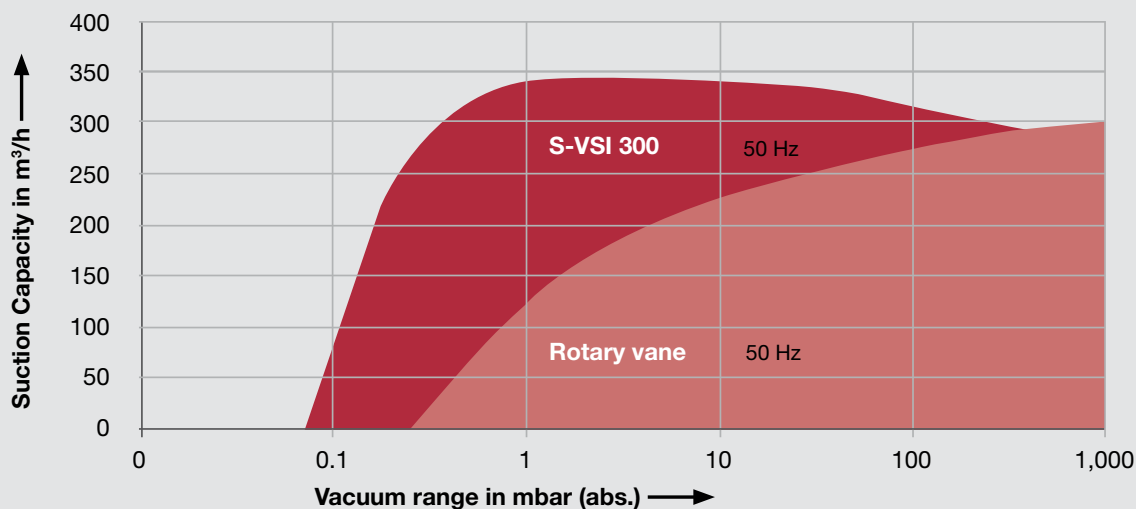


Advantages at a glance

- The only service needed is oil change in gearbox and bearings
- No lubrication in suction chamber
- Water-cooled – low heat emission into the environment
- Important increase of volume flow at lower vacuum – therefore shorter evacuation terms
- No wear inside compression chamber
- Oil free exhaust air
- Dry, contact free operation
- Also available as air cabinet



Comparing dry running screw vacuum pump S-VSI 300 OXY and oil lubricated rotary vane vacuum pump



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Elmo Rietschle is a brand of
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