



V-Series Dry Running Rotary Vanes

V-VTR, V-DTR, V-KTR 100 / 140



Elmo Rietschle
A Gardner Denver Product

Staying cool – The new generation sets standards

After 15 successful years the dry running rotary vane types 100 and 140 are being replaced by redesigned machines.

Looking at the pumps' body, the characteristic features that have made the V-VTR, V-DTR and V-KTR such a success are still there. Access to filter and valves is easily obtained from one side. Wide cooling air inlets and outlets make sure the pump does not overheat – even at high ambient temperatures. The look has been given a face-lift while staying within the dimensions of the parent machines.

Robust and efficient

The distinct properties of the new generation rotary vanes can be found under the noise insulating housing. A number of parts have been redesigned to achieve a remarkable lowering of machine temperatures:

- Manifold ribbing of the housing
- Optimized routing of cooling air
- Suction and pressure chambers are thermally separated in the filter housing
- Minimized contact surface of thermoconducting parts

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



V-VTR

Suction capacity 100 – 155 m³/h
Ultimate vacuum 150 mbar (abs.)

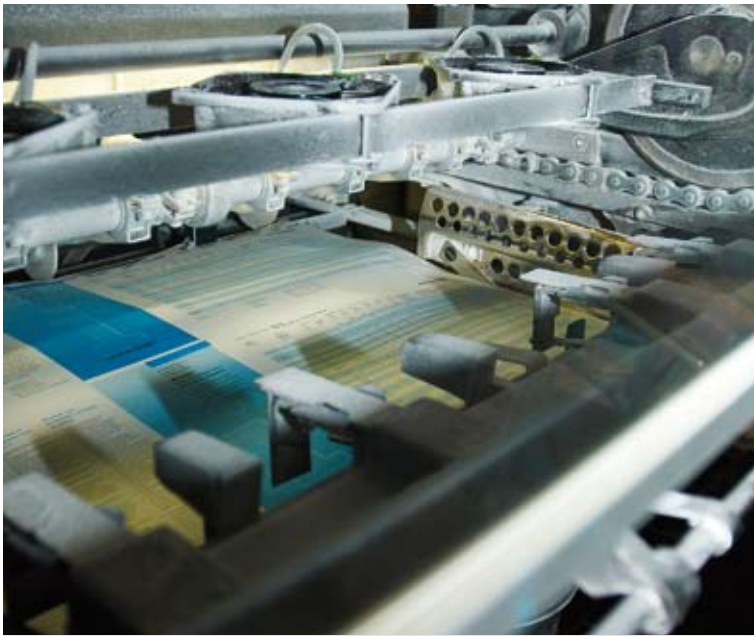
V-DTR

Suction capacity 100 – 153 m³/h
Pressure up to 1.5 bar for continuous operation and 2.2 bar for intermittent operation

V-KTR

Suction capacity 100 – 160 m³/h
Vacuum up to -0.6 bar and pressure up to +0.6 bar

Vacuum & Pressure



Typical applications

- Environmental engineering
- Industrial applications
- Packaging industry
- Printing industry
- Woodworking industry

Advantages at a glance

- Low noise level
- Easy to use and service
- Environmentally friendly
- Safe and reliable
- Robust and economical
- Low maintenance
- Reduced wear
- Reliable even under extreme conditions
- Energy saving

The new generation rotary vanes offer remarkably longer life cycles of wearing parts and high reliability even under extreme conditions. Our R&D engineers have also succeeded in optimizing the machines' efficiency – which translates into lower energy costs for our customers.

Like their predecessors, these new rotary vanes are available for vacuum operation (V-VTR), as compressors (V-DTR) and as combined pressure/vacuum pumps (V-KTR).

**Gardner
Denver**

Elmo Rietschle is a brand of the
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