

Discover the new claw family



Quiet.
Efficient.
Compact.

The  **innovation
leader**



Dry running technology for maximum customer benefits

High Energy Efficiency for Low Life Cycle Costs

The use of IE3 motors and optimized air flow geometry decisively reduce your energy bill and consequently life cycle costs. All claw vacuum pumps and compressors are available with built-up frequency converters which not only further reduce operating costs but their variable speed opens up a whole range of new applications for this technology.



Variable Speed for Maximum Control of Suction or Pressure

No more need to purchase a separate frequency converter and to mount and wire it in an electrical cabinet: Elmo Rietschle's integrated frequency provide the perfect match between the variable speed drive and the motor. This ensures energy-efficient operation that not only meets legal requirements but also lowers operating costs. It additionally offers maximum regional flexibility as these claw pumps can be used globally under a wide range of mains voltages and frequencies.

Compact Design for Best Use of Available Space

When designing the new claw machines our engineers aimed at combining outstanding performance with maximum user friendliness. The design with the smallest footprint on the market for claw pumps and compressors also gives easy access to all components of the machine - easy to service and inspect.

Noise Levels are 50% Lower

Another exciting feature of this high-end pump is its impressively low noise level. Sound engineering has enabled us to reduce the noise level by more than 50% compared to traditional claw pumps: the VLR 501 for example comes in at only 78 dB(A) for 400 mbar. The special silencer with condensate drain is particularly well adapted to moist applications because condensate can freely drain off downwards, avoiding corrosion.

Long Uptime and Low Service Costs

Service and/or change of gear oil is due after 20,000 operating hours only – depending on the application. This very long service interval translates into many hours of uptime with minimum interruption and low service costs.

Sizes: 60 to 1000 m³/hr

- **VLR: Vacuum Pump**
- **DLR: Compressor**
- **KLR: Combined vacuum pump/ compressor**

ProCoat to Resist Corrosion and Extend Life Time

Some sizes are available with the solid dry film coating ProCoat that offers excellent corrosion protection and is ideal for moist applications like drying processes etc. It also repels dust and dirt and provides better resistance against unwanted material entry. All of which means a much longer life time for your equipment.

Low Ultimate Vacuum for claw sizes 60 to 150 at half the size

In the new LUV version our small pumps 60, 100 and 150 m³/hr are now capable of supporting packaging and degassing processes where low ultimate vacuum is needed. They are half the size and half the weight of competitive products.

Smart Accessories

A wide range of accessories is available to customize the pumps and compressors, depending on size and operating mode:

- Dampness separator ZFF 216 with condensate drain for wet applications to pre-separate moisture
- Dust separator ZFP 216 to avoid unwanted material entry that might be abrasive
- Vacuum regulating valve
- Multi-voltage motor 50/60 Hz

Since the claw family consists of a wide range of sizes and models, not all characteristics described in this document are valid for every single machine.



C-VLR 251



C-VLR 301



C-DLR 301

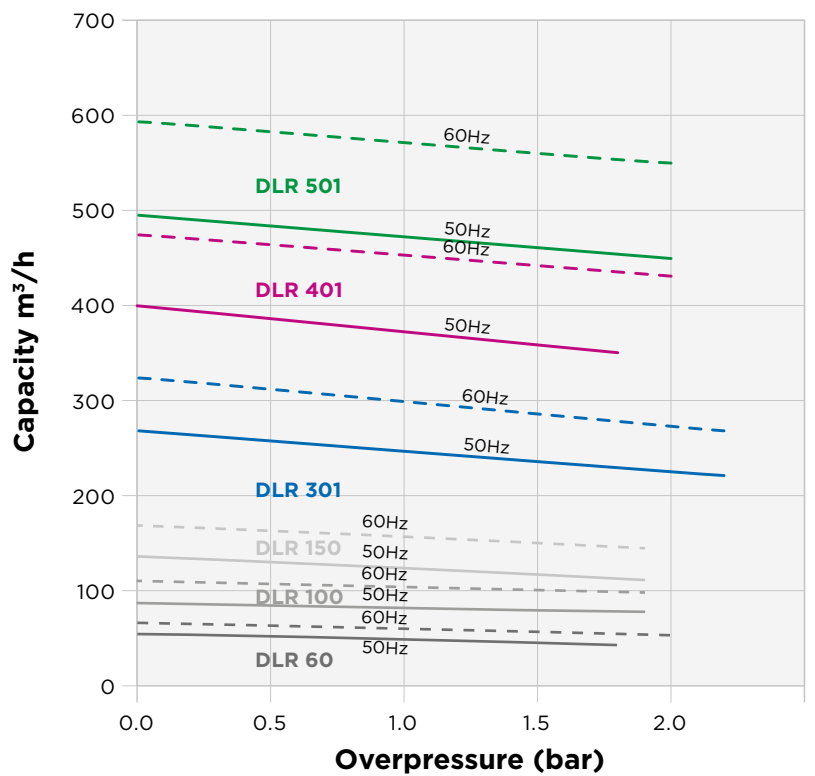
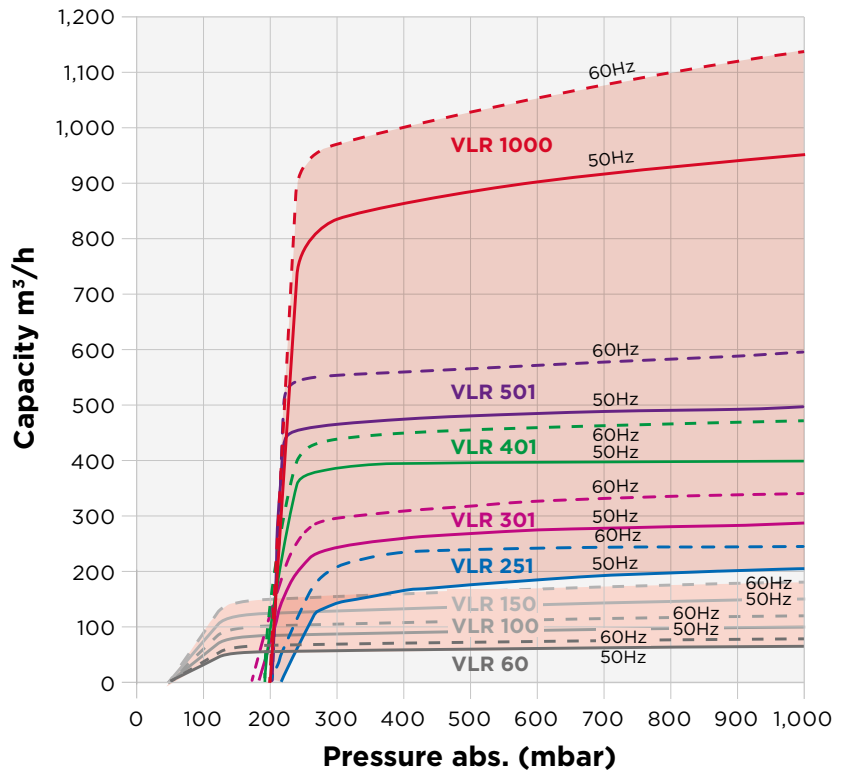


C-VLR 501



C-VLR 1000

Technical specifications





Applications

Central Vacuum Systems

Chemical industry

- Gas compression

Environmental Engineering

- Aeration
- Drying
- Dust extraction
- Gas compression
- Soil remediation

Industrial Applications

- Drying systems
- Dust extraction systems
- Industrial furnaces

Medical Industry

Packaging Industry

Pneumatic Conveying

Post-Press Applications

- Air supply cabinets
- Book-binding machines
 - Collating machines
 - Cutting machines
 - Folding machines

Printing Industry

- Air supply cabinets
- Central customized systems
- Drying machines
- Ionization
- Rotary offset machines
- Sheet offset machines

Woodworking Industry

- Clamping
- Dust extraction
- Holding

Gardner Denver



- Corporate Headquarters
- Sales / Service Location
- Manufacturing Location
- Our Partners

www.gd-elmorietschle.com
www.gd-industrials.com
er.de@gardnerdenver.com

**Gardner Denver
Schopfheim GmbH**
 Johann-Sutter-Straße
 79650 Schopfheim · Germany
 Phone +49 7622 392-0
 Fax +49 7622 392-300

**Gardner Denver
Deutschland GmbH**
 Industriestraße 26
 97616 Bad Neustadt · Germany
 Phone +49 9771 6888-0
 Fax +49 9771 6888-4000



F-Series
Radial



G-Series
Side Channel



L-Series
Liquid Ring



V-Series
Rotary Vane



R-Series
Rotary Lobe



C-Series
Claw



S-Series
Screw



X-Series
Systems