Gardner Denver

LIQUID RING VACUUM PUMPS

L Series

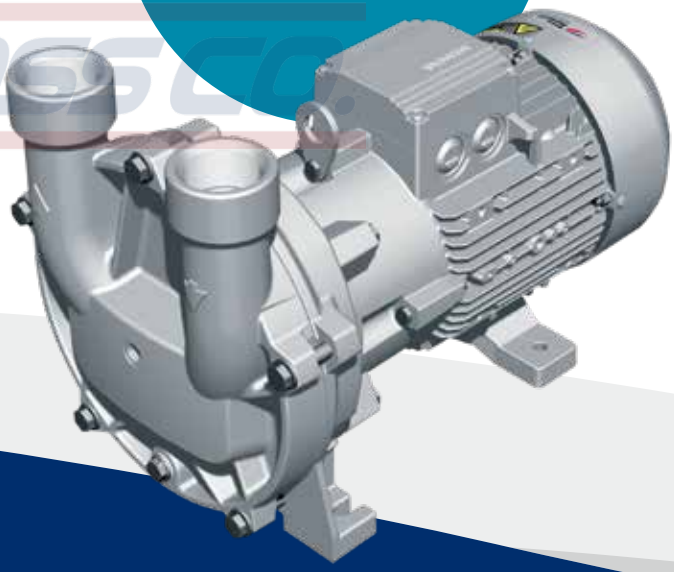
JC CROSS CO.

Did you know about...

our EXPERTISE?

Our
PATENTED
Liquid Ring System
RECLAIMS
its own water

NEW
High Water
Carry-Over Models



We Have a Legacy of Inventing Original Solutions

Did you know about the...

L Series RANGE?

APPLICATIONS

- Ceramic & brick industry
  - Degassing
- Drying systems
- Environmental engineering
  - Oil purification
  - Sanitation technology
  - Vacuum tankers
- Food & beverage industries
  - Central vacuum systems
  - Dairy industry
  - Filtering systems
  - Food preservation
  - Salt water desalination
  - Sugar production
  - Water degassing of beverages
- Lifting & handling
- Medical industry
  - Central vacuum systems
  - Steam sterilization (autoclaves)
- Packaging industry
  - Blister pack machines
  - Filling and sealing machines
  - Filling PET bottles with beer
  - Rolling machines
- Plastics industry
  - Adhesion of plastic parts
  - Calibrating
  - Degassing rubber parts
  - EPS foaming
  - Extruder degassing
- Granulate conveying
- Removal and compression of vinyl chloride gas

JC CROSS CO.

PRECISION OPTIONS FOR **YOUR APPLICATION**

OVER **30 MODELS**

Did you know about our...

LIQUID RING?

L-BV54 High Water Carry-Over

= LOWEST in Class for Horsepower Use

= SAVINGS

Technology	Specifications
Liquid Ring Pumps L Series	UP TO **353** CFM **36** PSI **29** inHg

JC CROSS CO.

Product Overview

L-BL2

Also known as the Elmo Rietschle "Pump in a Box", these self-contained portable units are oil free and air cooled. They include an L-BV liquid ring pump, industrial electric motor, discharge separator, heat-exchanger and discharge condenser. To install, simply connect the suction line and motor and fill the water tank—its ready to go!

Small but Mighty

- Patented water reclamation system
- Unique coatings
- Stainless Steel options
- Bronze alloy impellers
- Anti-cavitation as standard

L-BL2
"Pump in a Box"

L-BV3

L-BV3

Performance strength in the smallest space

The L-BV3 liquid ring vacuum pumps are remarkable—whether they are used for sterilizers or for medical / laboratory equipment, they excel where extremely small suction capacities are required within a minimum of space. With a suction volume of up to 6.18 cfm, these little workhorses are particularly quiet and consume very little water. The L-BV3 can handle suction vapors and liquids.

L-BV2

L-BV7

L-BV7 / L-BV2

Multi-purpose liquid ring pumps

Our L-BV7 and L-BV2 liquid ring pumps are high-efficiency machines which save space and consume up to 50 % less water. These pumps are available in various combinations of materials such as stainless steel, bronze, ceramic and cast iron with a ceramic coating. This enables them to be tailored to the respective operating requirements and thus provides long term resistance to corrosion.

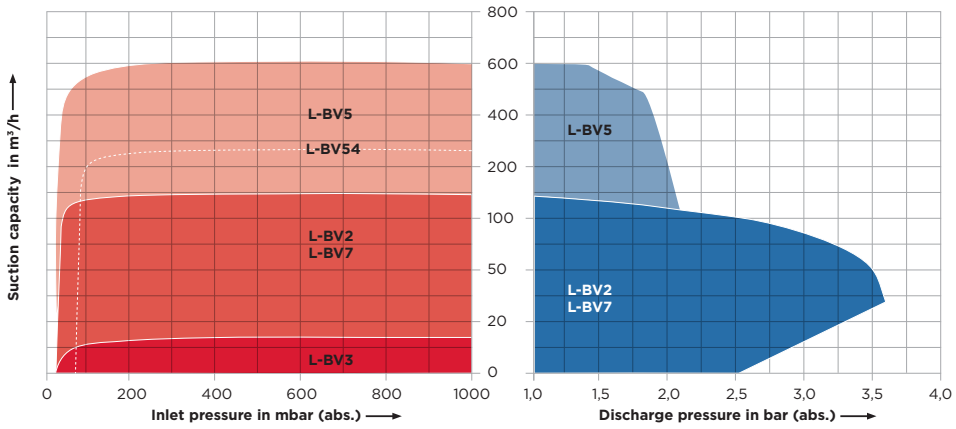
L-BV5

L-BV5

Monoblock pumps with the highest volume flow

The L-BV5 family is characterized by a very high suction volume of up to 353 cfm with suction pressures of up to 29 inHg and are primarily used for applications with large quantities of liquids (2BV54). The L-BV5 also simultaneously works as a condenser while suctioning condensable vapors. This enables the suction volume to be doubled. Reinforced stainless steel shafts, continuously lubricated bearings and a coated pump housing prevent wear and tear caused by solids that are also ingested, and guarantee constant performance, even after many years of use.

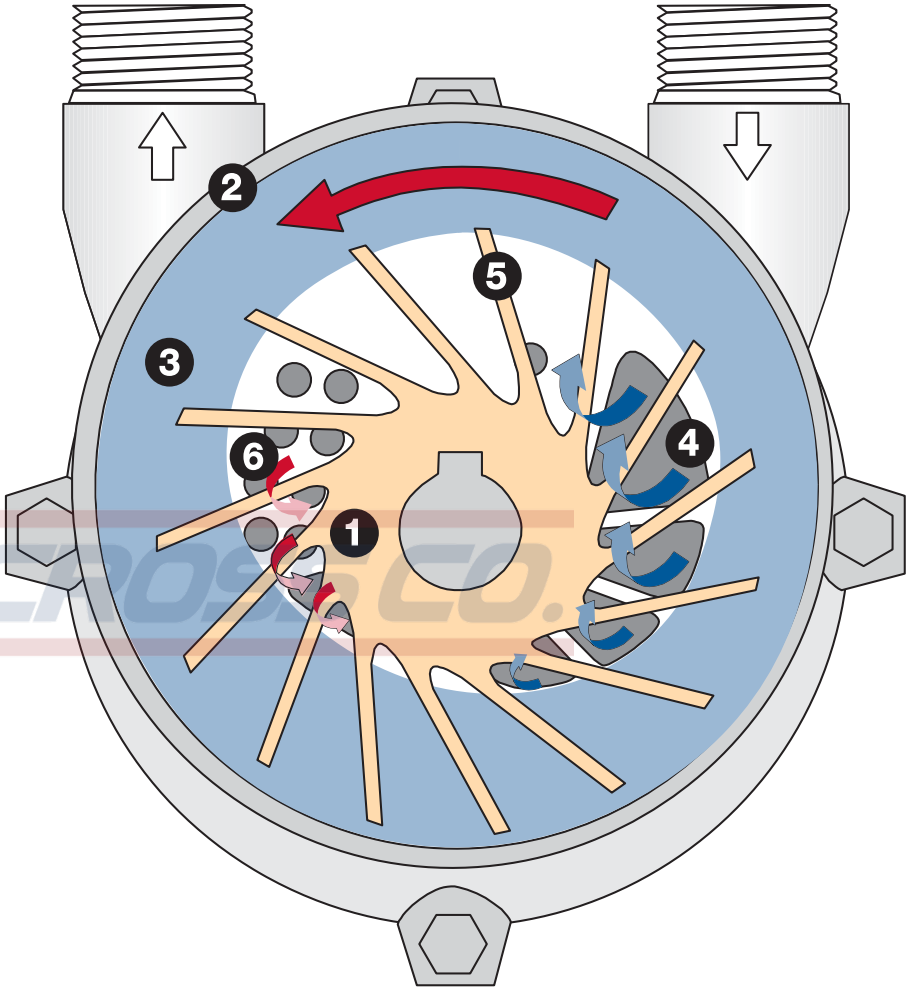
L-BV54



Elmo Rietschle
by Gardner Denver

Operating Principle

- The impeller **(1)** is the only moving part.
- It rotates without contact inside the pump casing **(2).**
- A rotating liquid ring **(3)** seals the impeller on the front and seals its blades against one another.
- Gas flows through the inlet slot **(4)** into the blade cells.
- The impeller is offset within the casing. This creates variable compression chambers between the blades **(5),** which compresses the gas within a full revolution.
- In order to stabilize the ring, liquid is also permanently sucked into the compression chamber and is expelled **(6)** together with the conveyed gas.



We Are Where You Need Us

- Our distribution network is factory-trained and certified
- Local service includes support for re-build

Did you know about...

our network?

The leader in every market we serve

by continuously improving all business processes

with a focus on innovation and velocity

JCROSS CO.

Gardner Denver®

Gardner Denver, Inc.

1800 Gardner Expressway
Quincy, IL 62305
866-249-2275
www.gd-elmorietschle.com

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ER-L-LIQRNG 1st Ed. 8/18
Supersedes ER-L-LR-VP 1st Ed. 4/11 and ER-L-LR-SYS 1st Ed. 2/11

Please recycle after use.