Sealless Technology
Unlimited







The Modular Chemical Pump



HERMETIC-Pumpen GmbH is a global leader in the market of sealless chemical pumps.

Modular fabrication and construction is one key element to success in the chemical processing industry. Since we built the first canned motor pump in 1955, for HERMETIC it has always been the main task to fulfill our customers needs and even more to work together with our customers to deliver the most reliable pumps in the highest qualtiy.

The HERMETIC V-Line

The HERMETIC V-Line is a defined selection of singleand multistage canned motor pumps for demanding chemical applications in a defined field of requirements with optimized delivery times at attractive prices. In proven HERMETIC quality.

This concept of pumps adapts to the modular concept of plant construction which means a standardization of components and interfaces.

Canned Motor Pumps. The Sealless, Reliable and Safe Alternative to Mag Drive — or Centrifugal Pumps with Mechanical Seals

Safe



The Secondary Containment Standard

Environmental protection and safety is maintained with the secondary containment shell which is not subject to damage by rotating parts. Eliminate any possibility of emissions or leakage, handle toxic, explosive, hazardous or critical chemical fluids.



Reduced Noise Levels

No motor cooling fans and no external rotating parts that produce noise or vibration. A pump that works silent and reliable.



A Unique Motor and Pump Combination

The alignment an installation of a pump does always come with the risk of false alignment of motor and pump. With the motor and pump in one envelope there is no alignment of pump and motor. There is also only 50% of the place needed compared to a pump with external motor.



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Reliable



Maintenance-Free Bearings

Mag drive pumps have at least six bearings to support all rotating components. Of course these comes with higher risks of failure if not not checked frequently. Our bearings are thermal shockproof and maintenance free. At optimal running conditions, HERMETIC pumps have zero axial and radial thrust. This means two times more safe than regular bearings.



No Mechanical Seals

64% of all breakdowns can be related to mechanical seallings. Canned motor pumps avoid these mayor root of breakdown.



Statisticly Proven Reliability

Canned motor pumps have the best MTBF (mean time between failure) rating compared to other chemical pump technologies. If there is no contact between rotating parts, there is no wear. The V-Line contains ZART® design philosophy. The HERMETIC ZART® design philosophy combines several technical features to ensure an operation where no parts contact each other. This feature results in trouble free and wear free operation.

ZART®

simply best balance

Canned Motor Pumps. The Sealless, Reliable and Safe Alternative to Mag Drive – or Centrifugal Pumps with Mechanical Seals

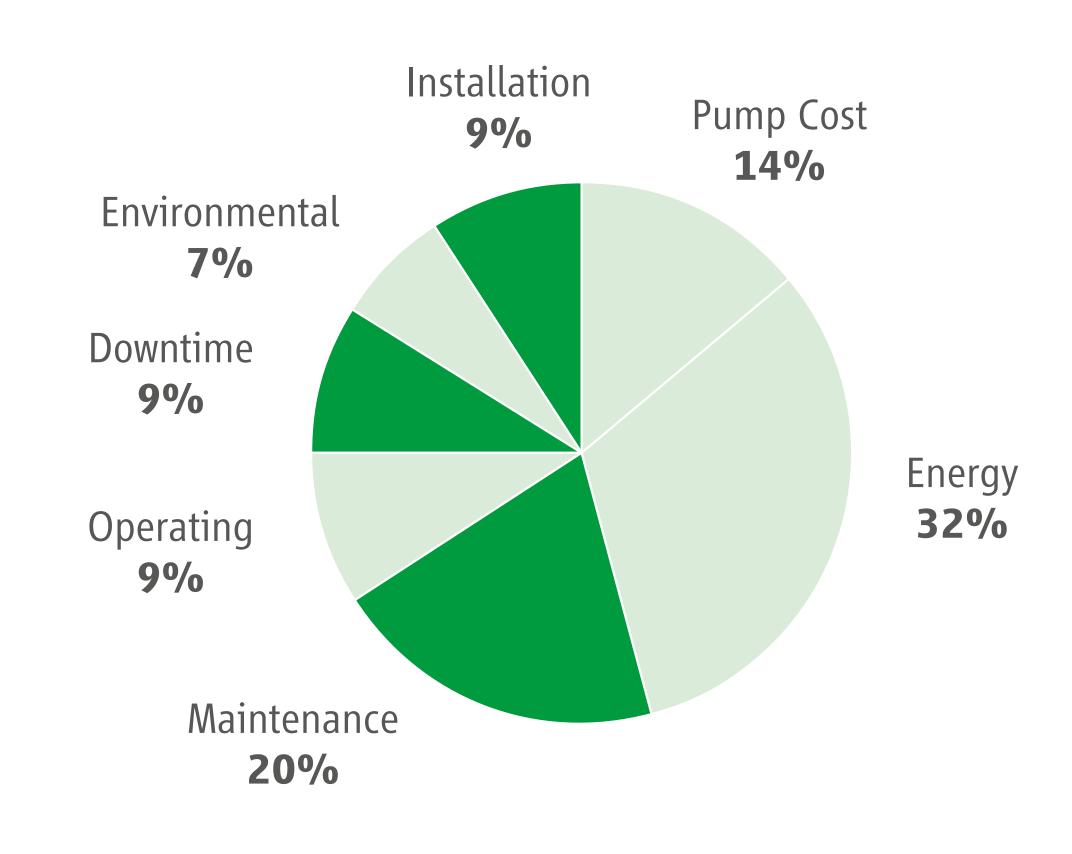
Efficient



Lowest LCC (Life Cycle Costs)

Typical life cycle cost of an industrial pump consist of initial costs, maintenance- and energy costs. 20% of the LCC are maintenance costs. With HERMETIC pumps these costs can be dramatically reduced. Main advantages in cost reductions are:

- lowest downtime costs
- low installation costs
- lowest maintenance costs





Select Your Pump in Less Than 2 Minutes with the Exclusive V-Line EXPERT TOOL

Quick Selection Based on Your Operating Data Such As:



- Operating Point (delivery head, temperature and volume flow)
- Plant parameters (net voltage, net frequency, system pressure, NPSHA)

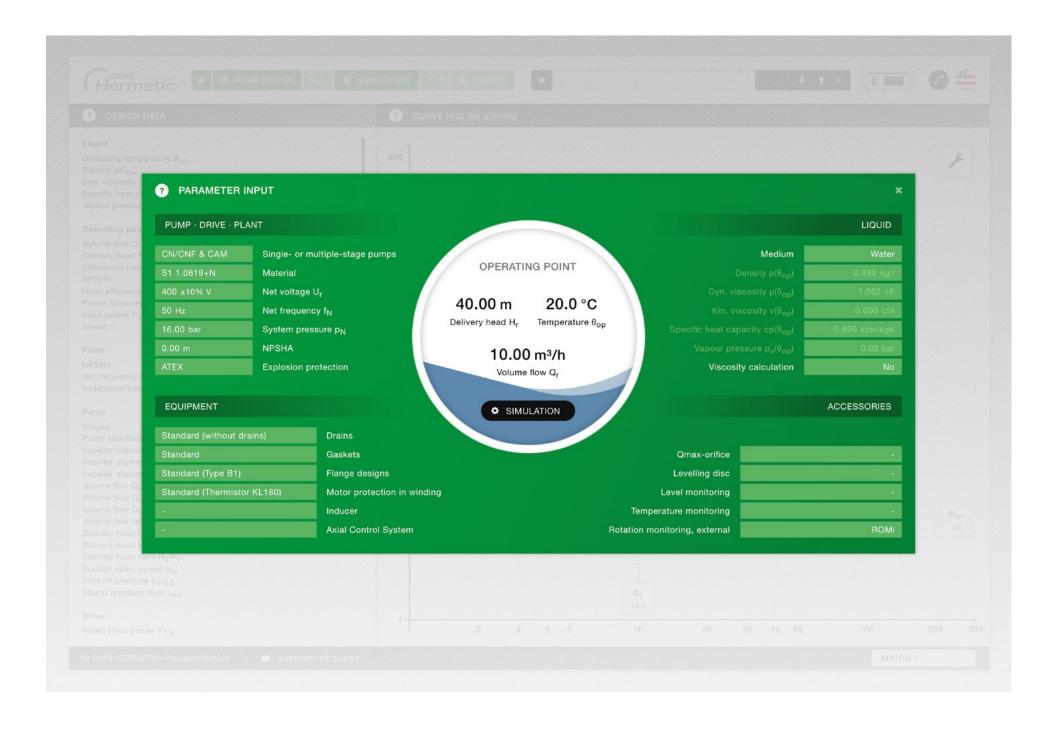


- Liquid data (density, dyn. viscosity, vapor pressure etc.)
- Equipment (leveling monitoring, temperature monitoring, rotation monitoring)
- Accessories (drains, gaskets, flange design, inducer etc.)

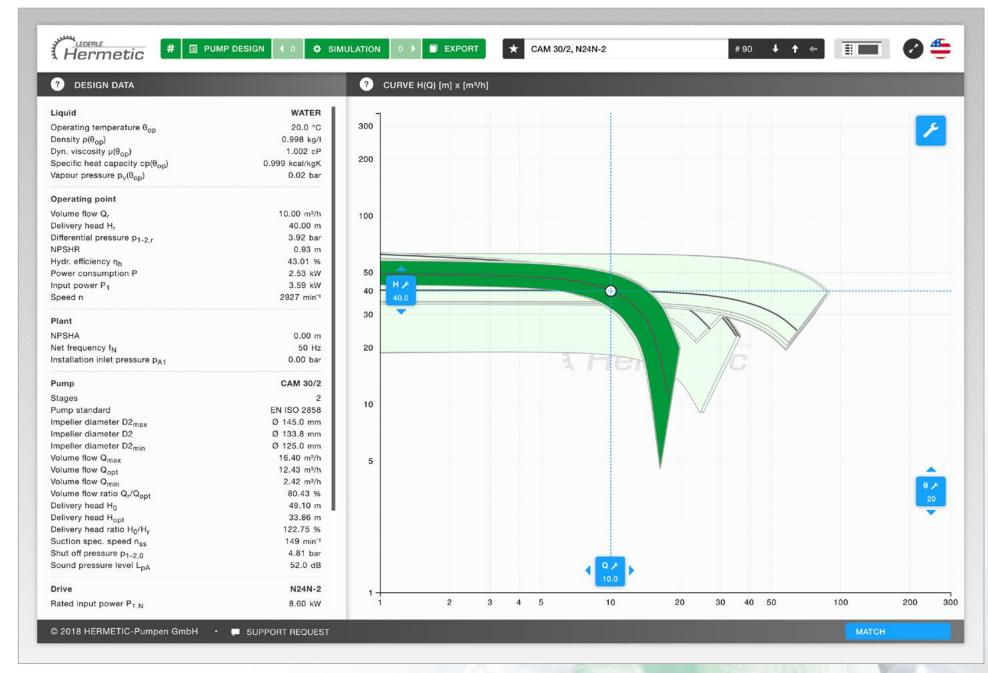
- Real time simulation of your pump based on database of liquids or your own data
- Easy overview of all relevant performance values
- Comparison of pumps regarding the criteria you define (hydr. efficiency, power consumption etc.)
- Access to pump reports
- Share your pump project with your colleagues

Select Your Pump in Less Than 2 Minutes with the Exclusive V-Line EXPERT TOOL

Select Your Parameters:

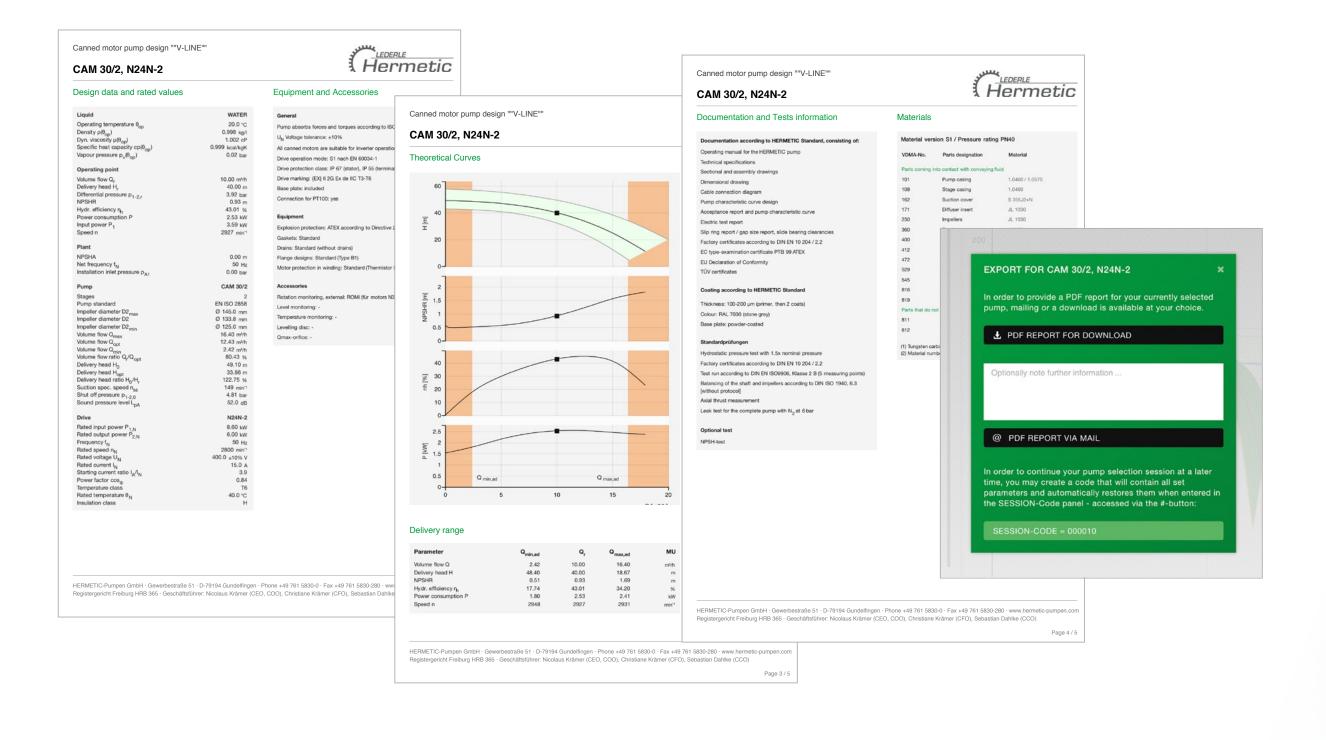


Simulate Your Pump:



Select Your Pump in Less Than 2 Minutes with the Exclusive V-Line EXPERT TOOL

Safe or Share Your Selection:





START NOW!







Sealless Technology Unlimited

 $HERMETIC-Pumpen~GmbH \cdot Gewerbestrasse~51 \cdot 79194~Gundelfingen \cdot Germany\\ www.hermetic-pumpen.com \cdot hermetic@hermetic-pumpen.com$