

FINDER

Part of Pump Solutions Group

A **DOVER** COMPANY

Expert
Solutions
for Critical
Applications

INDUSTRIAL &
POWER SOLUTIONS
Brand Portfolio



Where Innovation Flows

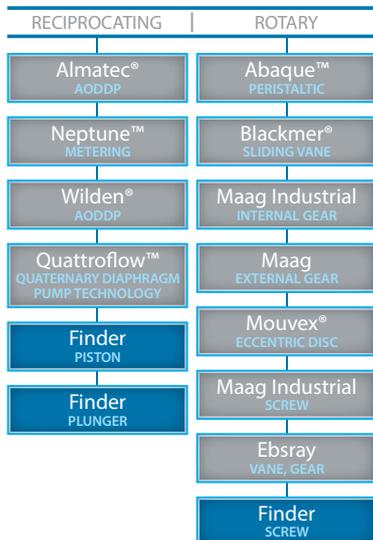
www.finderpumps.com

CHEMICAL CENTRIFUGAL PUMPS
PROCESS CENTRIFUGAL PUMPS
WATER CENTRIFUGAL PUMPS
VACUUM PUMPS AND SYSTEMS

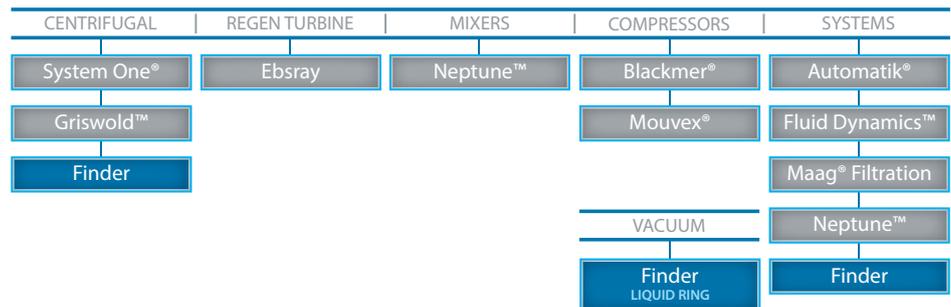
Dover's **Pump Solutions Group (PSG®)**, a global leader in flow-control solutions and supporting technologies, delivers value-added integrated flow-control solutions that serve customers requiring the safe and efficient transfer of critical and valuable materials. PSG features world-class pump brands and has multiple facilities on three continents (North America, Europe and Asia) that are ISO-certified. We are passionately committed to innovative flow-control technologies that will positively impact the world. Our priority is providing the market expertise you need by delivering tomorrow's innovative fluid and material-transfer solutions today.

Where Innovation Flows

POSITIVE DISPLACEMENT PUMPS

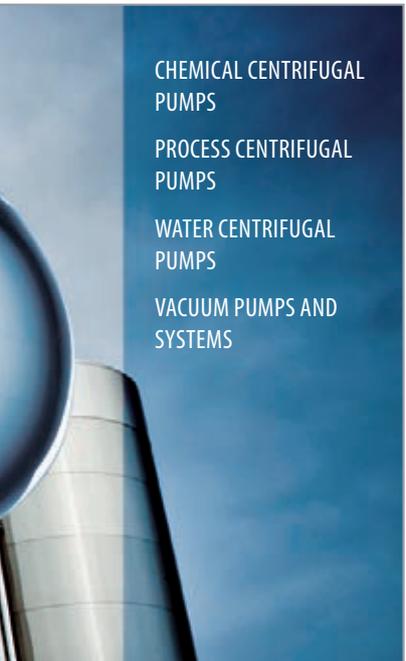


PUMPS & SYSTEMS TECHNOLOGIES



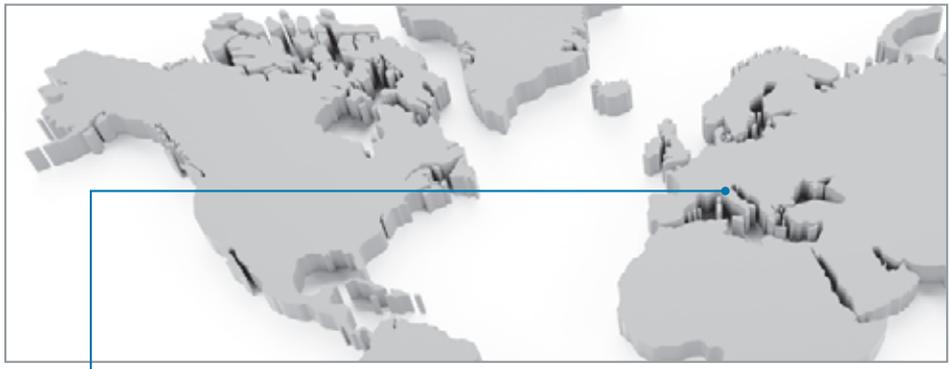


Who We Are



- CHEMICAL CENTRIFUGAL PUMPS
- PROCESS CENTRIFUGAL PUMPS
- WATER CENTRIFUGAL PUMPS
- VACUUM PUMPS AND SYSTEMS

PSG features a broad array of leading pump and flow control technologies as well as world-class facilities in the U.S., Germany, Italy, France, China, India and Australia. PSG's leading infrastructure, knowledge base and intellectual capital truly make it the power behind fluid transfer.



FINDER – is a European leader in the design and manufacturing of engineered pumps and systems for a multitude of heavy-duty process and industrial applications requiring advanced technical flow solutions. With a worldwide customer base of major engineering companies and end-users, FINDER's centrifugal pumps, twin screw pumps, plunger pumps and vacuum package units are used round the clock in the oil & gas, nuclear energy, desalination, chemical, pharmaceutical and food industries.

FINDER has over 50 years of combined manufacturing and technical expertise for an extensive understanding of pump engineering technology and the pumping challenges faced by industries of all types.

With an extensive focus on research and development, FINDER knows that new products and innovative state-of-the-art solutions will continue to be the key to success in the years to come. In addition, each FINDER product is thoroughly tested to meet stringent quality standards before it ever leaves the factory to assure top performance and long life.

FINDER's global sales network covers all continents and over 75 countries through direct sales offices, local agents and distributors. This allows FINDER to quickly meet customers' needs and maintain direct, constant contact. All customers are supported by a customer service department dedicated to unheard of support for customer care and spare parts.

MARKETS SERVED

PETROCHEMICAL & CHEMICAL

Finder's large selection of pumping solutions, ranging from API pumps to ISO pumps to liquid ring vacuum pumps and systems, are perfect for a wide variety of applications in the petrochemical, chemical, pharmaceutical and food industries.

Typical Applications Handled:

- Acids
- Solvents
- General chemicals
- Caustics
- Plastic
- Ammonia

POWER GENERATION

When it comes to power generation, whether conventional or geothermal plants, Finder offers sophisticated vacuum systems based on the liquid ring technology as well as centrifugal and twin screw pumps.

Typical Applications Handled:

- Condenser air extraction
- Boiler Feedwater Deaeration Systems
- Flue gas desulphurization systems
- Water Box Priming Systems
- Stainless Steel Pumps for Geothermal Plants

HYGIENIC

Finder can also offer a wide range of products for food, pharmaceutical and cosmetic applications.

Typical Applications Handled:

- Tomato sauce & ketchup
- Fruit purees
- Meat packaging
- Pharmaceutical

WATER & HVAC

Finder has been a major player since its founding in handling and transferring water for industrial general services, HVAC, agriculture.

Typical Applications Handled:

- HVAC
- Distribution
- Collection and disposal
- Irrigation
- Industrial water recirculation
- Metal fabrication





Engineered Chemical Pumps

HC | HCV | VX | VXV



TECHNOLOGY: CENTRIFUGAL

HC pumps are designed and manufactured according to ISO 5199 - ISO 2858 standards for process applications in chemical industries, for general services and for heavy-duty applications in all industrial sectors.

HC pumps, in back-pull-out execution, can be manufactured in any material combination and with a number of constructional features such as stuffing box for single, double and cartridge type mechanical seals; heating/cooling chambers on the pump casing and/or stuffing box; and flanges rating according to DIN or ANSI.

HC pumps are also available with semi-open impeller (SO version) and Vortex design with open impeller (VX), suitable for fluids with suspended solids.

HC and VX pumps are also available in vertical configurations: HCV and VXV can be equipped with a shaft length up to 10 m. Vertical pumps can be supplied with a lip-seal, packing ring or mechanical seal.

Applications:

- CHEMICALS
- HYDROCARBONS
- POWER GENERATION
- LUBE-OIL
- PHARMACEUTICAL
- FOOD & BEVERAGE
- TEXTILE



Engineered Chemical Pumps

CHEM | CHEM-C

TECHNOLOGY: CENTRIFUGAL

CHEM and CHEM-C series are centrifugal pumps made in stainless steel AIS 316 manufactured according to ISO 2858/ ISO 5199 standards. Both are the simplified versions of HC series. They are specifically designed for the OEM market and perfect for the chemical, pharmaceutical, cosmetics, food, beverages and textile industries to transfer corrosive and/or aggressive liquids, solvents and oils. These pumps are also suitable for general industrial services.

Maintenance on these pumps is greatly simplified for time and cost savings. The design allows disassembly of rotating parts without disconnecting the flanges from the piping. In addition, if a spacer coupling is installed, disassembly can take place without disconnecting the motor.

CHEM pumps are equipped with a single standardized mechanical seal, while CHEM-C version can also be fitted with a single or double cartridge type seal.

CHEM



CHEM-C



Applications:

- CHEMICAL
- PHARMACEUTICAL
- COSMETICS
- FOOD & BEVERAGE
- TEXTILE

Process Pumps

UHN | ULN

UHN



TECHNOLOGY: CENTRIFUGAL

Overhung impeller centrifugal process pumps are available in a variety of materials for a host of applications and come equipped with single, double or cartridge mechanical seals. Each model is equipped with a different impeller: ULN pumps utilize a close type impeller, while UHN pumps are equipped with a special impeller that combines a traditional impeller with blades and an axial inducer.

These pumps are suitable for applications in food, chemical, canning industries and desalination plants. They can transfer very viscous fluids, even non-Newtonian ones. For applications on food evaporators, ULN and UHN can be internally polished.

Applications:

- TOMATO AND FRUIT EVAPORATORS
- KETCHUP
- FRUIT PUREES
- DESALINATION
- CHEMICAL

ULN



Water Pumps

AC-E | T-TK

AC-E



TECHNOLOGY: CENTRIFUGAL

The range of water pumps consists of centrifugal pumps according to DIN 24255, EN 733 norms, available in bare-shaft version (AC-E) and of in-line centrifugal pumps (T and TK). These pumps are ideal for irrigation, clean water drainage, heating and conditioning systems, aqueducts, fire-fighting systems, water treatment and general industrial services.

The AC-E pumps are equipped with a single normalized mechanical seal or with a packing ring. T and TK pumps are available in both single or twin versions, with a blind-flange and are suitable for applications in centralized heating systems for the circulation of cooling water in conditioning systems and in the distribution of sanitized hot water.

Applications:

- WATER
- INDUSTRIAL GENERAL SERVICES
- AGRICULTURE, IRRIGATION
- FIRE-FIGHTING
- HVAC

T-TK



Vacuum Pumps

LEX | MEX | DEX | CDS | NP

DEX



TECHNOLOGY: VACUUM, LIQUID RING

Finder's wide range of single-stage and two-stage liquid-ring vacuum pumps are monobloc, with lantern or bareshaft configurations. All models are built for a variety of heavy-duty industrial applications.

Single-stage pumps MEX, LEX and DEX are suitable for medium vacuum and come in a vary port valve design. MEX (monobloc) and LEX (with lantern) pumps are designed for small/medium capacity, while DEX (bareshaft) pumps utilize a between bearings design for larger capacities.

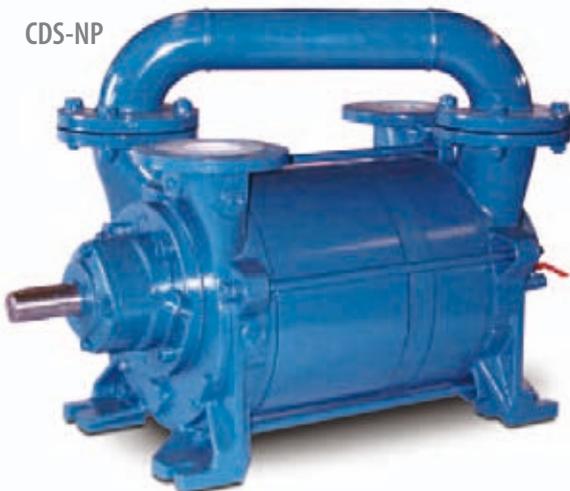
Double-stage, between bearings pumps CDS and NP are designed for high vacuum. The smallest size CDS pump is available in a monobloc version. All other sizes are provided either with lantern or baseplate and coupling.

All versions have standardized mechanical seals. The pumps can also operate as a compressor.

Applications:

- DRYING
- DEHYDRATION
- DEGASSING
- VACUUM DISTILLATION AND CRYSTALLIZATION
- VACUUM FILTRATION
- STERILIZATION
- POWER GENERATION
- CENTRALIZED VACUUM SYSTEM

CDS-NP



LEX



MEX



Vacuum Units



TECHNOLOGY: **VACUUM, LIQUID RING**

Finder Pompe can design and manufacture engineered vacuum systems either as standard systems or customized to meet specific applications and/or specifications such as API, NACE and ASME. Available configurations are once-through systems or with partial or total liquid recirculation.

These vacuum systems are supplied with all instruments and accessories (separators, heat exchangers) necessary for optimum system performance.

Applications:

- SOLVENT RECOVERY
- OIL & GAS
- POWER GENERATION
- FOOD PROCESSING
- WATER BOX PRIMING
- CONDENSER EXHAUSTER





Where Innovation Flows



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