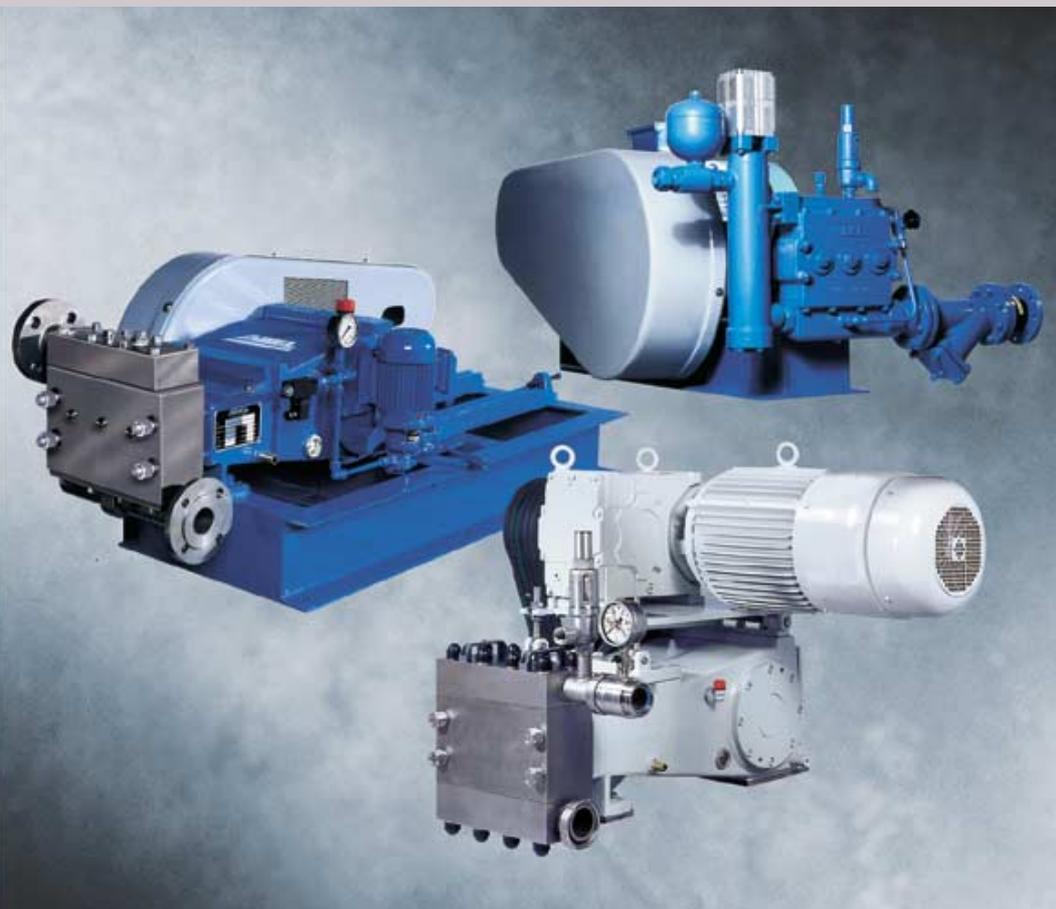


Membrane Pumps
Solids Handling Pumps
High Pressure Pumps
Marine Pumps

ABEL HP

High Pressure Pumps
for Cleaning and Process Applications



Optimal operational safety

ABEL HP High Pressure Pumps

Capacity range up to 115 m³/h, up to 25.0 MPa

Purpose-built design

Just right
for specific
applications



Areas of application

Cleaning of:

- Filter cloths
- Containers
- Apparatus
- Pipelines

Charging/feeding of:

- Reverse osmosis
- Boilers
- Reactors
- Other apparatus

In high-pressure cleaning and process technology ABEL high-pressure pumps prove successful during heavy-duty continuous operation:

A large number of satisfied customers is proof of the long lifetime and easy maintenance of our pumps, for example, in

- The water and wastewater industry
- The chemical industry
- Processing
- The pharmaceutical industry
- The food industry

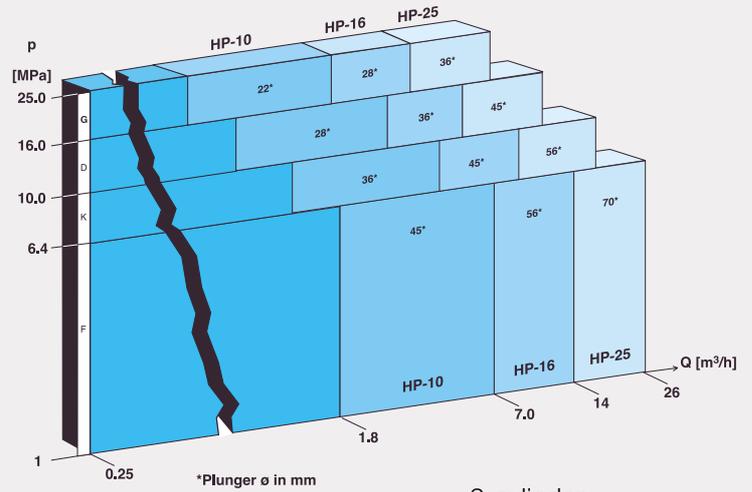
The design is closely oriented on the requirements of the respective process and therefore enables the trouble-free integration of the pump at different plant interfaces. Less components enable a sound price-performance ratio, operational reliability and a high level of operational safety.

ABEL high-pressure pumps are self-priming, single-acting plunger pumps with 3 or 5 cylinders. Large valve cross-sections ensure uniform, low pulsation running.

The slow and very smooth running crank drive is lubricated by a splash oil system. Oil deflector plates ensure optimal lubrication of the important bearing points, even at particularly low speeds.

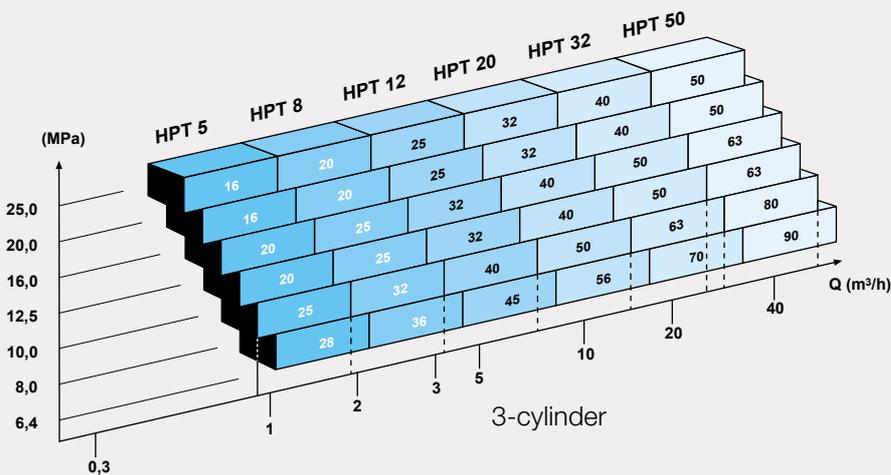
The bellows seal of the crosshead offers an optimal protection against the penetration of dust into the crank housing.

The plungers are available in high-quality stainless steels, hardened, "kolsterisiert", chromium oxide coated or made of solid ceramics.

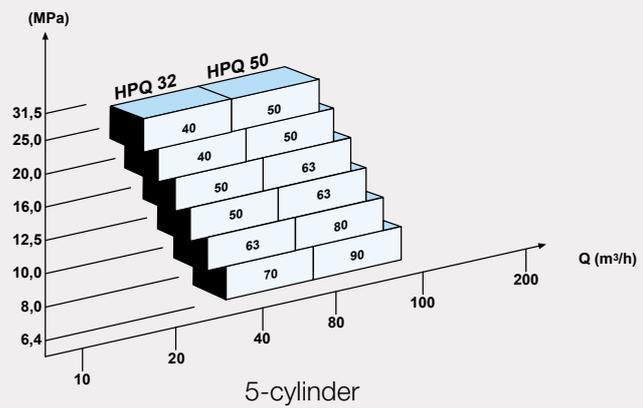


3-cylinder

HP Selection Chart



3-cylinder



5-cylinder

Optimum Design

Strong
and tough,
to match
the medium



Optional accessories

- Discharge side safety valve
- Pulsation dampener
- Suction/discharge side pressure gauges
- Shock absorbing components
- Sound control cabins and many others

Your product determines the housing material: nodular cast iron and stainless steel casting are also available as well as special bronzes.

Depending on application and pressure range, forged materials are used.

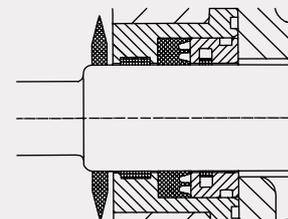
Adapted to the pumping media:

- Clean liquids
- Abrasive media
- Shear-sensitive and dwell-critical fluids

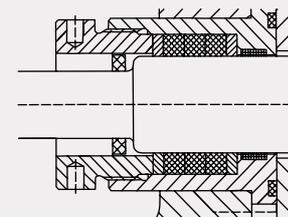
plate type, cone and ball valves are available

When intermittent operation is required, the pneumatically operated ABEL bypass valve ensures trouble-free interruption of the flow. Hydraulically operated bypass valves may also be used.

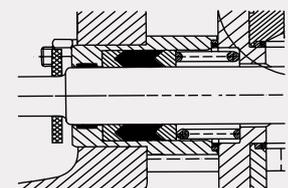
Different solutions matched with the product ensure the plunger sealing!



The automatic grooved ring as standard plunger seal for clean media is practically maintenance-free.



Gland packings in blocked or rinsed design for abrasive media.



Chevron-type seals for food applications.

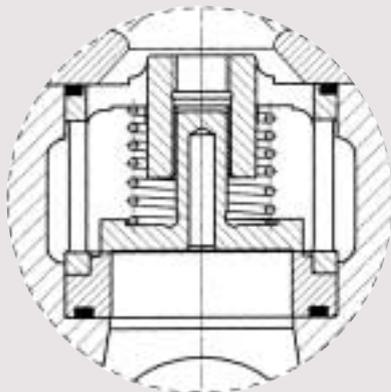
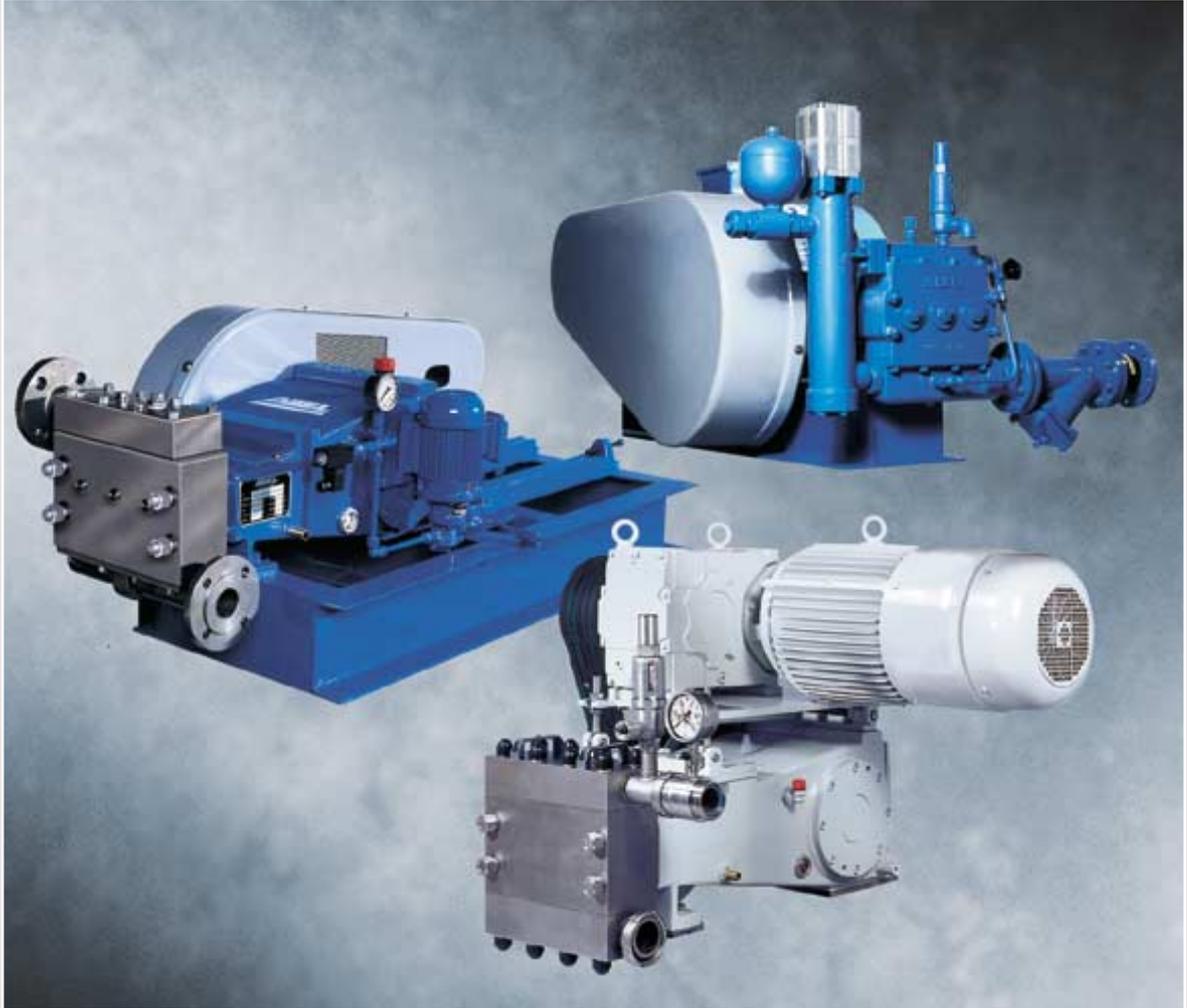
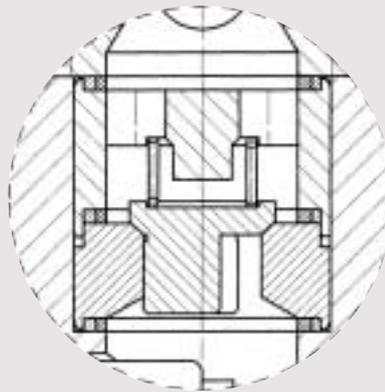
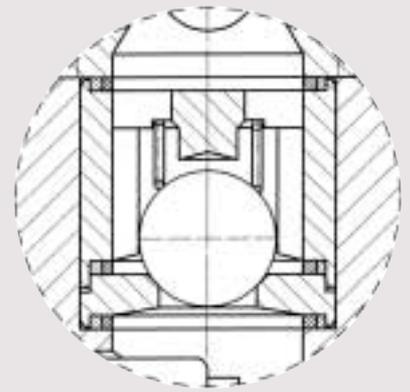


Plate valve



Cone valve



Ball valve

ABEL®

Pump Technology



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 511 N. Drive
 Sewickley, Pennsylvania
 15143-2339 USA
 Tel: 412 741 3222
 Fax: 412 741 2599
 mail@abelpumps.com
 www.abelpumps.com

Accessories include:



Assistance:

For more specific information than this general brochure can provide, please contact us with specific information about your special needs. We will be glad to supply you with digital or printed information as required.

The qualified staff of ABEL Pumps, L.P. is ready to assist you with your critical needs in product and service. Please contact us with your specific requirements.

Services include:

- ▲ Start-up
- ▲ Training
- ▲ Installation
- ▲ Repair
- ▲ Warranty Contracts
- ▲ Upgrades
- ▲ Telephone Diagnostics
- ▲ On Site Repairs
- ▲ Part Kits
- ▲ Qualified Representatives for Local Assistance

Certifications:

- ▲ ISO 9001
- ▲ MIL-I-45208A Inspection Compliant

Helpful Information:

Company:	e-mail:
Address:	Tel./Fax:
	Contact:
Application:	Why needed?
	Temperature:
Fluid:	Sp. Gr.:
Flow Rate:	Pressure:
Solids? % & size:	Viscosity:
Operating Cycle:	Special Materials:

Combined Slurry:

% Solids 1) By Weight 2) By volume

Abrasivity (Miller Number) PH Value

Viscosity Describe consistency

Remarks:

Thank you for the opportunity to be of service! – ABEL Pumps, L.P.