



**BEDU**

≡ P O M P E N ≡

**made for your process**

# Knowhow and experience

Pumps are the beating heart of many processes and that principle forms the basis of the BEDU Pompen approach. During almost 35 years of business we have gained a wealth of knowhow and experience. If you're looking for an independent supplier of liquid pumps with a no-nonsense attitude then you've found the right company! With around 30 enthusiastic and skilled staff we are ready to help!

## **BEDU Pompen**

Our primary markets are the process and waste water industries, working with you to deliver the best solutions. We guarantee fast response times, high-quality products, customized solutions as well as repair and overhaul services. We provide an outstanding and rapid service 24 hours per day, 7 days per week and all delivered by a reliable and professional organisation.

## **Advice**

At our locations in the Netherlands and Belgium we only employ experienced and skilled staff that are able to offer fit-for-purpose solutions for virtually

every requirement when it comes to liquid pumps and pumping systems. We are specialized in fully understanding and working with you to improve your process.

## **The right pump whatever the liquid**

We have a comprehensive product range which consists of high-quality products partly produced by us. Where needed, we modify pumps and build complete systems. We always find the best solutions for your process and thanks to our in-house service organisation you can rely on 24/7 support.



# Custom pump systems

In addition to supplying pumps, we also build complete, standard and customized systems that meet your requirements perfectly. When designing systems we use the latest 3D drawing programs and make pipe resistance and strength calculations. This is always undertaken in close consultation with you - the client - in order to ensure we respond to your requirements in the most optimum way possible. The systems are built in our own workshop, which is fully equipped with modern machinery and extensive test facilities.



## Examples

Examples of systems that we build, install and commission regularly are:

- Complete pumping systems including pumps, flow meters, filter systems, valves, stopcocks, pipework, controls, etc.;
- Pressure boosting systems for process water or drinking water;
- Dosing systems including reservoir, pump, agitator, pipework and controls;

- Waste water systems with concrete or plastic sump including pipework, valves, level control, control cabinet, etc.;
- Dispensing stations including pump, flow meter, hose reel, pipework, fittings and controls.

## We also regularly provide:

- Modifications to or replacement of pipework, including welding;
- Renovation of entire sewage water systems.



# Service, overhaul and maintenance

We ensure that the pumps in your process are running and, moreover, are kept running without you having to worry about them. You can then spend your valuable time focussing on what's important to you - your core business! Our experienced engineers are generally able to resolve faults quickly and professionally and it goes without saying that we also examine the cause of the fault, so we can take preventive measures to allow your process to operate reliably. Repairs and overhauls are undertaken on site or in our own workshop. Our workshop is equipped with extensive test facilities that allow us to test the pumps fully-automatically with liquid, after which a test report is issued. Amongst other things, this test report includes a performance curve, power consumption, current consumption, supply voltage and cos phi power factor. Thanks to the test report you have 100% certainty that the repaired pump is operating again in the most optimum way.

## Reliability through preventive maintenance

Like all mechanical moving parts, pumps also have to be inspected regularly. We will be pleased to advise you on the correct inspection interval for your pumps and systems. During an inspection, our expert and experienced staff will check all of the critical components on the basis of a fixed procedure. If the inspection shows that a repair or overhaul is required, this will be planned and executed in consultation with you. We will of course also advise you about

potential improvements that will guarantee the long-term reliability of your process. For example, we can analyse fault intervals and draw up measures for minimising these faults in the future. To ensure you receive rapid response support, our emergency response service can be contacted 24 hours per day, 7 days per week. Production stoppage is expensive and it's our job to ensure you are up and running again as quickly as possible!



**24 hours  
per day,  
7 days  
per week**

## STANDARDIZED CENTRIFUGAL PUMPS ACCORDING TO DIN 24255 / EN 733



### APPLICATIONS

Transporting thin liquids without solid particles.

### FEATURES

- Close-coupled design with standardized IEC electric motor
- Bare shaft with bearing block, assembled on base frame with drive
- Wide range of shaft seals
- Available as explosion-proof execution according to ATEX
- Available in vertical arrangement
- Maximum capacity 1700 m<sup>3</sup>/h
- Maximum head 100 m

### MATERIALS

Cast iron GG25, GGG40, stainless steel AISI 316, bronze, cast steel or other alloys.

## DEEP-DRAWN STAINLESS STEEL CENTRIFUGAL PUMPS ACCORDING TO DIN 24255 / EN 733



### APPLICATIONS

Transporting thin liquids without solid particles.

### FEATURES

- Compact size
- Close-coupled design with standardized IEC electric motor
- Different shaft seal materials
- Maximum capacity 240 m<sup>3</sup>/h
- Maximum head 95 m

### MATERIALS

Stainless Steel AISI 304 or AISI 316.

## METAL CHEMICAL STANDARDIZED PUMPS ACCORDING TO DIN 24256 / ISO 2858



### APPLICATIONS

Transporting thin, neutral or aggressive liquids with or without solid particles.

### FEATURES

- With closed or semi-open impeller
- Bare shaft with bearing block, assembled on base frame with drive
- Wide range of shaft seals
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1700 m<sup>3</sup>/h
- Maximum head 140 m

### MATERIALS

Cast iron GGG40, stainless steel AISI 316, Duplex, bronze, cast steel, Monel, Hastelloy or other alloys.

## PLASTIC CHEMICAL STANDARDIZED PUMPS WITH SHAFT SEAL ACCORDING TO DIN 24256 / ISO 2858



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Close-coupled design
- Bare shaft with bearing block, assembled on base frame with drive
- Wide range of shaft seals
- Available as explosion-proof execution according to ATEX
- Maximum capacity 450 m<sup>3</sup>/h
- Maximum head 100 m

### MATERIALS

PP, PE-HD or PVDF.

## CHEMICAL STANDARDIZED PUMPS WITH PLASTIC LINING ACCORDING TO ISO 2858



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Close-coupled design with standardized IEC electric motor
- Bare shaft with bearing block, assembled on base frame with drive
- Wide range of shaft seals or magnetic coupling
- Available as explosion-proof execution according to ATEX
- Maximum capacity 340 m<sup>3</sup>/h
- Maximum head 86 m

### MATERIALS

Cast iron with PFA lining.

## MAGNETIC DRIVE CENTRIFUGAL PUMPS



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Hermetically sealed, so no risk of leaks
- Close-coupled design with standardized IEC electric motor
- With threaded or flanged connections
- Available as explosion-proof execution according to ATEX
- Maximum capacity 35 m<sup>3</sup>/h
- Maximum head 35 m

### MATERIALS

Stainless Steel AISI 316, Hastelloy, Duplex, Titanium, PP or PVDF.

## MAGNETIC DRIVE PERIPHERAL PUMPS



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Relatively low capacity combined with high pressure
- Suitable for liquids containing gas
- Hermetically sealed, so no risk of leaks
- Close-coupled design with standardized IEC electric motor
- With threaded or flanged connections
- Available as explosion-proof explosion according to ATEX
- Maximum capacity 25 m<sup>3</sup>/h
- Maximum head 310 m

### MATERIALS

Stainless Steel AISI 316, Hastelloy, Duplex, PP or PVDF.

## CHEMICAL MAGNETIC DRIVE METAL STANDARDIZED PUMPS ACCORDING TO DIN 24256 / ISO 2858



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Hermetically sealed, so no risk of leaks
- Close-coupled design
- Bare shaft with bearing block, assembled on base frame with drive
- Available as explosion-proof execution according to ATEX
- Maximum capacity 900 m<sup>3</sup>/h
- Maximum head 150 m

### MATERIALS

Stainless Steel AISI 316, Hastelloy, Duplex, Titanium or other alloys.

## MAGNETIC DRIVE CENTRIFUGAL PUMPS ACCORDING TO API 685



### APPLICATIONS

Transporting thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Hermetically sealed, so no risk of leaks
- Bare shaft with bearing block, assembled on base frame with drive
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1000 m<sup>3</sup>/h
- Maximum head 220 m

### MATERIALS

Stainless Steel AISI 316, Hastelloy, Duplex, Titanium or other alloys.

## VERTICAL SUMP PUMPS



### APPLICATIONS

Transporting thin, neutral or aggressive liquids with or without solid particles.

### FEATURES

- No shaft seal
- Suitable for high temperatures up to 250°C
- Available with closed impeller, channel impeller or vortex impeller (free passage up to max. 112 mm)
- Available with magnetic coupling if absolutely no aggressive vapours are to enter the atmosphere
- Cantilever design to 1500 mm insert length
- Maximum insert length 7000 mm
- Standardized IEC electric motor
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1600 m<sup>3</sup>/h
- Maximum head 120 m

### MATERIALS

Cast iron, stainless steel AISI 316, Hastelloy, Duplex, Durimet, Monel, Incoloy 825, PP or PVDF.

## VERTICAL MULTI-STAGE CENTRIFUGAL PUMPS AND PRESSURE BOOSTING SYSTEMS



### APPLICATIONS

Transporting thin, neutral or slightly aggressive liquids without solid particles.

### FEATURES

- Relatively low capacity combined with high pressure
- Compact build-in size
- With frequency controller
- Pressure boosting systems with cascade control
- Available with different pump types
- Maximum capacity 400 m<sup>3</sup>/h (per pump)
- Maximum head 350 m

### MATERIALS

Cast iron, stainless steel AISI 304 or AISI 316 or bronze.

## HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMPS



### APPLICATIONS

Transporting water-thin, neutral liquids without solid particles.

### FEATURES

- Closed impellers
- Inlet and outlet connections possible in multiple positions
- Wide range of shaft seals
- Available as explosion-proof execution according to ATEX
- Maximum capacity 700 m<sup>3</sup>/h
- Maximum head 560 m

### MATERIALS

Cast iron GG25, GGG40, bronze, stainless steel AISI 316 or other alloys.

## CENTRIFUGAL PUMPS WITH LARGE PASSAGE



### APPLICATIONS

Transporting thin, neutral or aggressive liquids with solid particles.

### FEATURES

- Available with channel impeller or vortex impeller
- Free passage up to max. 112 mm
- Standardized IEC electric motor
- Wide range of shaft seals
- Bare shaft with bearing block, bearing block with bell housing or stub shaft
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1200 m<sup>3</sup>/h
- Maximum head 60 m

### MATERIALS

Cast iron, stainless steel AISI 316, Hastelloy, Monel, Durimet or other alloys.

## SELF-PRIMING WASTE WATER CENTRIFUGAL PUMPS



### APPLICATIONS

Transporting thin, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Free passage up to max. 80 mm
- Replaceable wear plates front and back of impeller
- Grease-lubricated shaft seal, seal flush or magnetic coupling
- Cleaning and inspection covers
- Bare shaft with bearing block, bearing block with bell housing or stub shaft
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1440 m<sup>3</sup>/h
- Maximum head 60 m

### MATERIALS

Cast iron, stainless steel AISI 316 or bronze.

## THERMAL OIL PUMPS



### APPLICATIONS

Transporting heated oil without solid particles.

### FEATURES

- Suitable for temperatures up to max. 320°C
- Closed impeller
- Air-cooled bearing block
- Heat-resistant mechanical seal
- Bare shaft with bearing block, assembled on base frame with drive
- Maximum capacity 450 m<sup>3</sup>/h
- Maximum head 90 m

### MATERIALS

Cast iron GGG40.

## SCREW PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Excellent self-priming
- Low NPSH required
- Suitable for liquids containing gas
- Constant liquid flow
- Structure of liquid not damaged
- Low noise
- Capacity easily adjusted due to variable speed
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1700 m<sup>3</sup>/h
- Maximum pressure 30 bar

### MATERIALS

Cast iron, stainless steel AISI 316, Duplex, Superduplex, Inconel, Hastelloy, Alloy 20 or other alloys.

## ROTARY VANE PUMPS



### APPLICATIONS

Transporting low to medium viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Excellent self-priming
- Suitable for liquids containing gas
- Constant liquid flow
- Very little damage to liquid structure
- Capacity easily adjusted due to variable speed
- Available as explosion-proof execution according to ATEX
- Maximum capacity 45 m<sup>3</sup>/h
- Maximum pressure 9 bar

### MATERIALS

Cast iron, stainless steel AISI 316, Duplex or other alloys.

## PERISTALTIC PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Dry self-priming up to 9 m
- No restrictions on running dry
- Ideal for shear-sensitive liquids
- Fixed capacity per revolution
- Bearing compression rollers and dry pump casing where contamination is not permitted
- Skids with glycerine-filled pump casing for heavier duty applications
- Reversible direction of rotation
- Leak detection
- Available as explosion-proof execution according to ATEX
- Maximum capacity 180 m<sup>3</sup>/h
- Maximum pressure 15 bar

### TUBE MATERIALS

NBR, NR, Neoprene, Hypalon, Silicone or Foodgrade.

## AIRDRIVEN DIAPHRAGM PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Dry self-priming
- No restrictions on running dry
- Easy to maintain
- Free passage up to max. 28 mm
- Available as explosion-proof execution according to ATEX
- Capacity adjustable to maximum 59 m<sup>3</sup>/h
- Maximum pressure 14 bar

### MATERIALS

Pump casing: aluminium, cast iron, stainless steel AISI 316, Hastelloy, PP or PVDF.  
Elastomers: Buna-N, Neoprene, EPDM, Viton, XL, FDA or PTFE.

## ECCENTRIC SCREW PUMPS



### APPLICATIONS

Transporting low to very high viscosity, neutral or aggressive liquids with or without solid particles.

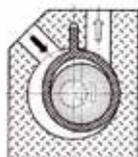
### FEATURES

- Self-priming
- Constant liquid flow
- Structure of liquid not damaged
- Capacity easily adjusted due to variable speed
- Available as explosion-proof execution according to ATEX
- Maximum capacity 200 m<sup>3</sup>/h
- Maximum pressure 48 bar

### MATERIALS

Casing: cast iron GG25, stainless steel AISI 304 or AISI 316  
Stator: Nitrile, Viton, Dutral, Hypalon, Neoprene or Perbunan.

## ECCENTRIC PUMPS



### APPLICATIONS

Transporting low to medium viscosity, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Excellent self-priming up to 5 m
- No restrictions on running dry
- Structure of liquid not damaged
- Capacity easily adjusted due to variable speed
- No shaft seal
- Close-coupled design or bare shaft with bearing block
- Assembled with drive on base frame
- Available as explosion-proof execution according to ATEX
- Maximum capacity 5.2 m<sup>3</sup>/h
- Maximum pressure 2.5 bar

### MATERIALS

PE-HD, PVC-U, PP, PVDF or PTFE.

## HOLLOW DISC PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Excellent self-priming
- Suitable for liquids containing gas
- Very little damage to liquid structure
- Capacity easily adjusted due to variable speed
- Wide range of shaft seals or magnetic coupling
- Available as explosion-proof execution according to ATEX
- Maximum capacity 250 m<sup>3</sup>/h
- Maximum pressure 8 bar

### MATERIALS

Cast iron, stainless steel AISI 316, Duplex, Superduplex, Hastelloy, Alloy 20, Inconel or other alloys.

## INTERNAL GEAR PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Self-priming
- Constant liquid flow
- Capacity easily adjusted due to variable speed
- Wide range of shaft seals
- Available with magnetic coupling
- Available as explosion-proof execution according to ATEX
- Maximum capacity 353 m<sup>3</sup>/h
- Maximum pressure 16 bar

### MATERIALS

Cast iron GG25, GGG40 or stainless steel AISI 316.

## EXTERNAL GEAR PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Self-priming
- Constant liquid flow
- Capacity easily adjusted due to variable speed
- Wide range of shaft seals
- Available with magnetic coupling
- Available in close-coupled design, design with bell housing and standardized IEC electric motor or bare shaft assembled on base frame
- Available as explosion-proof execution according to ATEX
- Maximum capacity 180 m<sup>3</sup>/h
- Maximum pressure 16 bar

### MATERIALS

Cast iron GG25, bronze or stainless steel AISI 316.

## EXTERNAL GEAR DOSING PUMPS



### APPLICATIONS

Dosing low to high viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Constant, low-pulse liquid flows
- Capacity adjustable due to variable speed
- Wide range of shaft seals
- Available with magnetic coupling
- Made from solid material
- CIP cleaning optional designs
- Available as explosion-proof execution according to ATEX
- Capacity from 0.5 to max. 50,000 litres per hour
- Maximum pressure 15 bar

### MATERIALS

Stainless Steel AISI 316, Hastelloy-C, Titanium, PVDF or special alloys.

## DOSING PUMPS



### APPLICATIONS

Dosing thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Extremely accurate dosing
- Stroke length and stroke frequency both adjustable
- Designs available with separate variable speed for inlet and outlet stroke (resulting in low-pulse dosing)
- Pulse signal or analogue input control
- Various notifications including low level, pulse control, etc.
- Various supply voltages or pneumatic
- Maximum capacity 750 litres per hour
- Maximum pressure 16 bar

### MATERIALS

PP, PVDF, stainless steel AISI 316.

## PROCESS DOSING PUMPS



### APPLICATIONS

Dosing thin, neutral or aggressive liquids without solid particles.

### FEATURES

- Extremely accurate dosing
- Plunger or diaphragm designs
- Hydraulic diaphragm pumps with recirculation system
- Available with double diaphragm with leak detection
- Available according to API 675
- Available as explosion-proof execution according to ATEX
- Maximum capacity 5500 litres per hour
- Maximum pressure 400 bar

### MATERIALS

Stainless Steel AISI 316, Alloy 20, Hastelloy, Titanium, PP, PVDF, PVC or special metal alloys.

## COMPLETE DOSING SYSTEMS



### APPLICATIONS

Safe and responsible way of dosing chemicals.

### FEATURES

- Complete dosing cabinets including all fittings and safety devices
- Wall or frame mounted, with PVC sliding arms option
- Drip tray construction
- If required, complete with chemical storage tanks according to BRL-K903

### MATERIALS

PVC, PVC-C, PP, HDPE and PVDF.

## DRUM PUMPS



### APPLICATIONS

Transporting low to high viscosity, neutral or aggressive liquids without solid particles.

### FEATURES

- Robust quick-release coupling between motor and pump tube
- Gear transmission between motor and pump gear
- Available in sealless design
- Available in 230 Volt, 400 Volt or with pneumatic drive
- Different immersion lengths for, amongst others, 60 and 200 litre drums and 1000 litre IBCs
- Available as explosion-proof execution according to ATEX
- Maximum capacity 175 l/min
- Maximum head 120 m

### MATERIALS

PP, PVDF, stainless steel AISI 316 or aluminium.

## SUBMERSIBLE PUMPS



### APPLICATIONS

Transporting thin, neutral or aggressive liquids with or without solid particles.

### FEATURES

- Wide range of different impeller types such as semi-open channel impeller, closed impeller, vortex impeller, screw-centrifugal impeller and cutting designs
- Available with cooling jacket for dry arrangement
- Available as explosion-proof execution according to ATEX
- Maximum capacity 1260 m<sup>3</sup>/h
- Maximum head 88 m

### MATERIALS

Plastic, cast iron, bronze, stainless steel AISI 304 or AISI 316.

## LOW-ENERGY SUBMERSIBLE PUMPS



### APPLICATIONS

Transporting waste water with or without solid particles.

### FEATURES

- Vortex or open multi-channel impeller
- High hydraulic output
- IE3 motors
- Back-to-back mechanical seal in oil chamber
- Optional closed cooling jacket for dry arrangement, etc.
- Optional leak detection in oil chamber and motor compartment
- Maximum capacity 6100 m<sup>3</sup>/h
- Maximum head 105 m
- Motor power from 4 to 355 kW

### MATERIALS

Cast iron or stainless steel AISI 316.

## EJECTORS AND AERATORS



### APPLICATIONS

Mixing and aerating waste water.

### EJECTOR FEATURES:

- No compressor required
- Available up to and including DIN 150
- Interchangeable diaphragms of different diameters
- Easy to install

### AERATOR FEATURES:

- Fine bubble aeration
- Disc aerators or hose aerators
- Complete systems

## WASTE WATER SYSTEMS



### APPLICATIONS

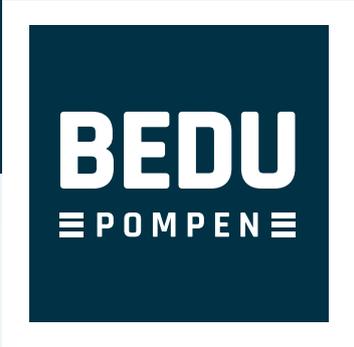
Waste water systems and sump for collecting and transporting rainwater, sewage water and industrial waste water.

### FEATURES

- Customized solution
- Various types of level controls
- Faults can be notified using text messaging
- Telemetry control option
- Compact, closed waste water systems available

### MATERIALS

PE or concrete sumps.

The logo for BEDU POMPEN is centered in a white square on a dark blue background. The word "BEDU" is in a large, bold, white sans-serif font. Below it, "POMPEN" is written in a smaller, white sans-serif font, flanked by two horizontal white lines on each side.

**BEDU**  
POMPEN

## made for your process

- Expert advice
- A customer-focussed organisation that adapts to the requirements and wishes of your organisation
- Innovative and customized solutions
- Wide range of liquid pumps from renowned brands
- More than 5,000 pumps and 20,000 parts in stock
- Prompt and appropriate solution for all of your requirements
- We understand the importance of your processes and your business continuity
- Rapid response and short delivery times
- In-house Technical Service with extensive test facilities, working from our own workshop or on site
- Repair, maintenance and overhaul of every type and brand of liquid pump
- 24/7 emergency response service

BEDU POMPEN B.V.  
Poort van Midden Gelderland Rood 10  
6666 LT HETEREN Netherlands  
Telephone +31 (0)88 4802 900  
Fax +31 (0)88 4802 901  
E-mail [info@bedu.nl](mailto:info@bedu.nl)

[WWW.BEDU.NL](http://WWW.BEDU.NL)

BEDU BELGIUM B.V.B.A.  
Heuvelstraat 52  
B-1981 HOFSTADE Belgium  
Telephone +32 (0)15 33 16 77  
Fax +32 (0)15 33 16 73  
E-mail [info@bedu.be](mailto:info@bedu.be)

[WWW.BEDU.BE](http://WWW.BEDU.BE)