ProcessPower
High pressure pump units
Customer satisfaction due to highest availability and a maximum range of applications
Whether as a high pressure pump for descaling, as a process pump for CO₂ extraction, the residual oil recovery or as a pump for high-pressure cleaning: URACA pump units fulfill their duties tirelessly and reliably. Whether operated continuously or intermittently. The design of our products meets their intended uses - also in terms of materials and product choice. Based on our customised solutions URACA pump units achieve highest customer satisfaction at a maximum availability.
Top performance requires a strong heart

Industry standard
URACA plunger pumps are designed for uninterrupted heavy duty operation 24 hours a day – for decades.

Quality
URACA high pressure plunger pumps are manufactured in-house considering the highest quality standards.

Variety
The optimum pump of URACA’s product family for each unit.

Knowledge
Since more than 120 years, URACA is manufacturing high pressure pumps.

Performance
Maximum pressure level and maximum flow rate. Not only on paper.

Energy efficiency
URACA products achieve highest efficiency. Cost-effective – year in and year out.

Quality without compromises
The daily, professional use is a tough challenge for a pump unit. Most important for top performance, endurance and highest economic efficiency of the ProcessPower range is the strong heart: The URACA high pressure plunger pump.

Online: www.chemacinc.com
Our philosophy: the **most reliable** units in the market.

Developed for the future
As a leading manufacturer in the field of high pressure technology URACA offers with the ProcessPower series electrically operated pump units with a wide range perfectly matched solutions for professional applications in industry and services. We do not invent superlatives on paper, but develop workhorses for practice. ProcessPower units are designed for maximum performance, efficient handling, durability and flexibility.

Proven under the toughest conditions
Electrically operated pump units of the series ProcessPower are in operation worldwide under the toughest conditions. ProcessPower units easily withstand dirt and dust, extremely high and low temperatures and especially heavy duty conditions that such machines are subject to. Countless testimonials from enthusiastic users confirm the durability of URACA units. You also can work with the best power units available.

ProcessPower units are used in the toughest system operation – here we are at home.

Online: www.chemacinc.com
Our philosophy

• Over 120 years of experience
• Production “Made in Germany”
• Highest vertical integration
• Comprehensive engineering know-how
• In-house testing operation
• Customised solutions
• Excellent price-performance ratio
• Highest energy efficiency

Built for professionals

Design intelligence, the best plunger pumps as a basis, vertical integration up to crank shafts completely manufactured in-house, precise machining and careful assembling by qualified employees as well as extensive test procedures ensure the reliable functioning of our products. This offers the best possible economic efficiency and lasting value. Every day. For many years.

Indestructible pumps with high-quality components allow efficient running costs for the units.

Online: www.chemacinc.com
The optimum ProcessPower high pressure pump unit for each application

**Process technology**
- Chemical process technology
- CO₂ extraction
- UREA production
- Geothermal
- Oil and gas extraction
- Hydro cracking
- Petrochemistry
- Coal liquefaction

**Water jet applications**
- Concrete refurbishment
- Surface processing
- Water jet cutting
- Casting core removal
- Oleochemicals, bio-energy, pharmaceuticals and cosmetics

Online: www.chemacinc.com
The optimum ProcessPower high pressure pump unit for each application.

Press drives
- Drinking water supply
- Spray tower feeding
- Reverse osmosis
- Pressure testing

Descaling
- Hydrostatic bearing lubrication
- Press drives
- Sprinkling

Tank and vessel cleaning
- Cement mixer cleaning
- Parts cleaning
- Industrial cleaning
- Sewer cleaning
- Tank wagon cleaning
- Parts cleaning

Online: www.chemacinc.com

Sales & Service: 1-800-217-3677
Powerful pump units for professional use

The varied range of electrically driven pump units from URACA provides the optimum solution for your application. URACA pump units are robust and powerful. Different power levels open up a wide application spectrum ranging from pressure testing to high-pressure cleaning and to continuous operation in the industry. For all liquids from water, hot water, solvents, to chemical and abrasive liquids. Customer-specific design of the URACA pump units facilitates maximum efficiency as well as the reliability you are used to.

**URACA high pressure pump units**

<table>
<thead>
<tr>
<th>Drive power</th>
<th>from 1.5 up to 3,500 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressures</td>
<td>up to 3,000 bar</td>
</tr>
</tbody>
</table>

**Our features** | **Your benefit**
---|---
For URACA plunger pumps | |
Sophisticated pump design | Less energy consumption due to high mechanical efficiency
| Low-wear operation |
Inclined splitted power end casing | Easy maintenance options
Integrated gear box | |
| Compact design |
| Small footprint |
Tailor made liquid end | Optimum volumetric efficiencies for almost all liquid fluids
Individually selected materials | |
| Highest resistance of all wetted parts |
| Low wear and high availability |
For URACA pump units | |
Compact design | Small footprint
Modular construction of the unit | Individual configuration options
Customised unit design | Compliance with individual, national and international standards and norms

^1 only for certain model ranges

Ultra-high pressure pump unit KD719 with suction valve release for fast and precise load changes
Design options – maximum efficiency due to customised construction

Drive configuration
- Drive arrangement
- Pump arrangement
- Gear box/converter/belt/direct

Design options
- stationary/mobile
- with/without noise protection
- open/in container/in frame
- ATEX conform design

Pump configurations and types
- Liquid end designs, valve designs
- Material selection
- Accessories
- Pulsation damping
- Injection units

High-pressure pump unit KD823 for liquid NH₃ with partly heated pulsation damper and ball resonator

Online: www.chemacinc.com
The new series of electrically-powered test pump units offers a wide range of applications. The pump units are used for hydrostatic pressure testing of all types of components, pipes, pipelines, vessels, cylinders and pressurized installations. Universal use in the plumbing, heating, solar and sprinkler installation, compressed air systems, steam and cooling systems, oil installations, as well as hydraulic systems for boilers, pressure vessels and fittings as well as on construction sites. Functional and ergonomic handling are outstanding features of these compact and reliable pump units.

**ProcessPower EP601**

<table>
<thead>
<tr>
<th>Drive power pump unit</th>
<th>EP601 W/100</th>
<th>EP601 D/200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure max.</td>
<td>100 bar</td>
<td>200 bar</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>5 l/min at 5 bar</td>
<td>5 l/min at 5 bar</td>
</tr>
<tr>
<td></td>
<td>5 l/min at 100 bar</td>
<td>5 l/min at 200 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>37 kg</td>
<td>44 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>775 x 400 x 350 mm</td>
<td>775 x 400 x 350 mm</td>
</tr>
</tbody>
</table>

**ProcessPower EP602**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure max.</td>
<td>11 kW</td>
<td>11 kW</td>
<td>11 kW</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>30 l/min at 20 bar</td>
<td>15 l/min at 20 bar</td>
<td>10 l/min at 20 bar</td>
</tr>
<tr>
<td></td>
<td>30 l/min at 200 bar</td>
<td>15 l/min at 350 bar</td>
<td>10 l/min at 500 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>114 kg</td>
<td>114 kg</td>
<td>119 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1,265 x 565 x 1,000 mm</td>
<td>1,265 x 565 x 1,000 mm</td>
<td>1,265 x 565 x 1,000 mm</td>
</tr>
</tbody>
</table>

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding examples which may be subject to considerable deviations depending on the construction and type of pump. 1 bar = 14,5038 psi; 1 l/min = 0,26417 USGPM = 0,22 IPGPM; 1 kW = 1,3410 HP; 1 mm = 0,03937 inch.
ProcessPower P3-10

High-pressure pump units for all cleaning and pressure testing jobs mainly for industrial use. The heart is our “small but powerful” pump P3-10. Models for explosion-proof, mobile and stationary types, with and without noise insulation covers are available.

<table>
<thead>
<tr>
<th>P3-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive power pump</td>
</tr>
<tr>
<td>Pressure max.</td>
</tr>
<tr>
<td>Flow rate max.</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
</tbody>
</table>

High-pressure cleaning unit P3-10 liquid end in stainless steel and ATEX design

Mobile pressure testing unit P3-10 with hose reel

Stationary pressure testing unit P3-10 with speed regulation and feed tank

Online: www.chemacinc.com
The pump units for high flow rates. Proven for industrial cleaning tasks, for example in malting plants or power stations.

<table>
<thead>
<tr>
<th>P4-20</th>
<th>Drive power pump</th>
<th>75 kW</th>
<th>Pressure max.</th>
<th>100 bar</th>
<th>Flow rate max.</th>
<th>652 l/min at 60 bar 398 l/min at 100 bar</th>
<th>Weight</th>
<th>1,500 kg</th>
<th>Dimensions</th>
<th>2,500 x 1,000 x 1,000 mm</th>
</tr>
</thead>
</table>

**ProcessPower P4-20**

The ideal pump unit, for example, for the supply of drinking water in pumping stations. The high hydraulic and mechanical efficiency of the pump ensures energy-efficient operation of the plant.

<table>
<thead>
<tr>
<th>P3-45</th>
<th>Drive power pump</th>
<th>135 kW</th>
<th>Pressure max.</th>
<th>250 bar</th>
<th>Flow rate max.</th>
<th>483 l/min at 150 bar 292 l/min at 250 bar</th>
<th>Weight</th>
<th>1,500 kg</th>
<th>Dimensions</th>
<th>2,500 x 1,300 x 1,600 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>P4-45</td>
<td>Drive power pump</td>
<td>180 kW</td>
<td>Pressure max.</td>
<td>250 bar</td>
<td>Flow rate max.</td>
<td>645 l/min at 150 bar 389 l/min at 250 bar</td>
<td>Weight</td>
<td>2,000 kg</td>
<td>Dimensions</td>
<td>2,600 x 1,300 x 1,600 mm</td>
</tr>
</tbody>
</table>

**ProcessPower Px-45**

The pump units for high flow rates. Proven for industrial cleaning tasks, for example in malting plants or power stations.

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding examples which may be subject to considerable deviations depending on the construction and type of pump. 1 bar = 14.5038 psi; 1 l/min = 0.26417 USGPM = 0.22 IPGPM; 1 kW = 1.3410 HP; 1 mm = 0.03937 inch

Online: www.chemacinc.com
The highly reliable pump units of the Px-70 and Px-80 series have been developed in line with latest design features. Particularly suitable for industrial use, especially in continuous operation.

**High-pressure pump unit P5-70 with suction and discharge sided resonators and lube oil system**

<table>
<thead>
<tr>
<th>Drive power pump</th>
<th>P3-70</th>
<th>P4-70</th>
<th>P5-70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure max.</td>
<td>330 kW</td>
<td>440 kW</td>
<td>550 kW</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>910 l/min at 195 bar</td>
<td>975 l/min at 250 bar</td>
<td>1,220 l/min at 250 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>5,000 kg</td>
<td>5,500 kg</td>
<td>6,000 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2,700 x 1,800 x 1,200 mm</td>
<td>2,700 x 1,800 x 1,200 mm</td>
<td>3,000 x 1,800 x 1,200 mm</td>
</tr>
</tbody>
</table>

**ProcessPower Px-80**

<table>
<thead>
<tr>
<th>Drive power pump</th>
<th>P3-80</th>
<th>P5-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure max.</td>
<td>680 kW</td>
<td>1,150 kW</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>3,800 l/min at 100 bar</td>
<td>6,300 l/min at 100 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>11,000 kg</td>
<td>18,000 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>3,300 x 2,500 x 1,500 mm</td>
<td>4,000 x 2,500 x 1,500 mm</td>
</tr>
</tbody>
</table>

High-pressure pump unit P3-80 with integrated suction sided pulsation dampers and discharge sided ball resonator
ProcessPower Px-96 / P5-98

Extremely powerful industrial pump units for maximum load requirements for special applications. For handling of low viscosity to pasty, neutral or aggressive, abrasive, very hot or toxic media in continuous operation with high availability. Examples: coal slurry, residual oils, ammonia and carbamate.

### Px-96
- **Drive power pump**: 2,100 kW
- **Pressure max.**: 480 bar
- **Flow rate max.**: 6,600 l/min at 170 bar, 2,400 l/min at 480 bar
- **Weight**: 35,000 kg
- **Dimensions**: 8,500 x 6,600 x 6,500 mm

### P5-98
- **Drive power pump**: 2,600 kW
- **Pressure max.**: 360 bar
- **Flow rate max.**: 10,970 l/min at 130 bar, 3,900 l/min at 360 bar
- **Weight**: 90,000 kg
- **Dimensions**: 9,700 x 6,600 x 6,500 mm

### P3-96
- **Drive power pump**: 2,100 kW
- **Pressure max.**: 480 bar
- **Flow rate max.**: 6,600 l/min at 170 bar, 2,400 l/min at 480 bar
- **Weight**: 35,000 kg
- **Dimensions**: 8,500 x 6,600 x 6,500 mm

### P5-98
- **Drive power pump**: 3,500 kW
- **Pressure max.**: 480 bar
- **Flow rate max.**: 11,100 l/min at 170 bar, 3,900 l/min at 480 bar
- **Weight**: 90,000 kg
- **Dimensions**: 9,700 x 6,600 x 6,500 mm

Online: www.chemacinc.com

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding examples which may be subject to considerable deviations depending on the construction and type of pump. 1 bar = 14,5038 psi; 1 l/min = 0,26417 USGPM = 0,22 IPGPM; 1 kW = 1,3410 HP; 1 mm = 0,03937 inch
ProcessPower KD600

Powerful industrial pump units for standard applications such as descaling or spunlacing as well as in customised design for almost all process applications.

<table>
<thead>
<tr>
<th></th>
<th>KD626</th>
<th>KD629</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive power pump</td>
<td>300 kW</td>
<td>570 kW</td>
</tr>
<tr>
<td>Pressure max.</td>
<td>800 bar</td>
<td>1,160 bar</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>1,019 l/min at 165 bar</td>
<td>2,005 l/min at 160 bar</td>
</tr>
<tr>
<td></td>
<td>180 l/min at 800 bar</td>
<td>266 l/min at 1,160 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>7,000 kg</td>
<td>10,000 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>3,000 x 2,000 x 1,500 mm</td>
<td>3,300 x 2,500 x 1,500 mm</td>
</tr>
</tbody>
</table>
High-pressure pump units with the optimum power range for a whole variety of applications of high pressure cleaning up to oleochemicals, hydrostatic bearing lubrication and injection. Most suitable for continuous operation and industrial use under extreme loads.

<table>
<thead>
<tr>
<th></th>
<th>KD708</th>
<th>KD719</th>
<th>KD724</th>
<th>KD725</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive power pump</td>
<td>75 kW</td>
<td>110 kW</td>
<td>170 kW</td>
<td>270 kW</td>
</tr>
<tr>
<td>Pressure max.</td>
<td>1,200 bar</td>
<td>2,800 bar</td>
<td>3,000 bar</td>
<td>2,800 bar</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>295 l/min at 135 bar</td>
<td>432 l/min at 125 bar</td>
<td>615 l/min at 130 bar</td>
<td>715 l/min at 200 bar</td>
</tr>
<tr>
<td></td>
<td>30 l/min at 1,200 bar</td>
<td>14.7 l/min at 2,800 bar</td>
<td>20 l/min at 3,000 bar</td>
<td>34 l/min at 2,800 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>1,200 kg</td>
<td>1,300 kg</td>
<td>3,000 kg</td>
<td>3,500 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1,900 x 1,300 x 900 mm</td>
<td>1,900 x 1,300 x 900 mm</td>
<td>2,500 x 1,700 x 1,200 mm</td>
<td>2,700 x 1,800 x 1,200 mm</td>
</tr>
</tbody>
</table>

High-pressure pump unit KD724 on base frame with suction and discharge sided pulsation dampers

High-pressure pump unit KD724 with suction valve release for fast and accurate load changes as well as sensors for operating data logging

Online: www.chemacinc.com

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding examples which may be subject to considerable deviations depending on the construction and type of pump. 1 bar = 14,5038 psi; 1 l/min = 0,26417 USGPM = 0,22 IPGPM; 1 kW = 1,3410 HP; 1 mm = 0,03937 inch
High-pressure pump unit KD719 on base frame according to ATEX

High-pressure pump unit KD708 according to ATEX with hose reel

High-pressure pump unit KD724 with booster pump

Online: www.chemacinc.com
The indestructible, highly reliable pump units of the KD800 series are characterised by their robust construction. The slowly running pumps are particularly suitable for continuous heavy duty operation.

**ProcessPower KD800**

<table>
<thead>
<tr>
<th>Drive power pump</th>
<th>KD821</th>
<th>KD822</th>
<th>KD823</th>
<th>KD825</th>
<th>KD827</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power max.</td>
<td>260 kW</td>
<td>450 kW</td>
<td>650 kW</td>
<td>1,200 kW</td>
<td>2,000 kW</td>
</tr>
<tr>
<td>Pressure max.</td>
<td>820 bar</td>
<td>820 bar</td>
<td>820 bar</td>
<td>675 bar</td>
<td>650 bar</td>
</tr>
<tr>
<td>Flow rate max.</td>
<td>1,160 l/min at 110 bar</td>
<td>2,080 l/min at 110 bar</td>
<td>3,248 l/min at 100 bar</td>
<td>4,550 l/min at 130 bar</td>
<td>4,988 l/min at 130 bar</td>
</tr>
<tr>
<td>Weight</td>
<td>4,000 kg</td>
<td>4,500 kg</td>
<td>8,500 kg</td>
<td>15,000 kg</td>
<td>24,000 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4,500 x 3,000 x 2,000 mm</td>
<td>5,200 x 3,500 x 2,000 mm</td>
<td>5,500 x 3,800 x 2,000 mm</td>
<td>6,000 x 4,000 x 2,200 mm</td>
<td>6,500 x 4,500 x 2,300 mm</td>
</tr>
</tbody>
</table>
Diaphragm pump units are a contribution to the safe handling of hazardous fluids and the reliability of the production line. Hermetic displacement pumps are preferably used for toxic, explosive, corrosive, foul-smelling, environmentally hazardous or abrasive fluids. Diaphragm pumps offer the benefits of almost wear free piston seals and leak free operation. The liquid-end in a T-configuration provides a uniquely favourable size ratio, which is barely larger than that of a classical triplex plunger pump.

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Drive power pump</th>
<th>Pressure max.</th>
<th>Flow rate max.</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP708</td>
<td>12.5 kW</td>
<td>350 bar</td>
<td>40 l/min at 130 bar</td>
<td>1,100 kg</td>
<td>2,100 x 1,300 x 1,100 mm</td>
</tr>
<tr>
<td>MP719</td>
<td>25 kW</td>
<td>350 bar</td>
<td>95 l/min at 115 bar</td>
<td>1,500 kg</td>
<td>1,900 x 1,500 x 1,400 mm</td>
</tr>
<tr>
<td>MP724</td>
<td>50 kW</td>
<td>350 bar</td>
<td>220 l/min at 115 bar</td>
<td>3,000 kg</td>
<td>2,500 x 1,900 x 1,200 mm</td>
</tr>
<tr>
<td>MP626</td>
<td>100 kW</td>
<td>350 bar</td>
<td>385 l/min at 130 bar</td>
<td>4,600 kg</td>
<td>2,900 x 2,300 x 1,500 mm</td>
</tr>
<tr>
<td>MP629</td>
<td>250 kW</td>
<td>350 bar</td>
<td>850 l/min at 120 bar</td>
<td>10,500 kg</td>
<td>5,300 x 2,700 x 1,800 mm</td>
</tr>
</tbody>
</table>

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding examples which may be subject to considerable deviations depending on the construction and type of pump. 1 bar = 14,5038 psi; 1 l/min = 0,26417 USGPM = 0,22 IPGPM; 1 kW = 1,3410 HP; 1 mm = 0,03937 inch

Online: [www.chemacinc.com](http://www.chemacinc.com)
URACA – professional high pressure system supplier

Products and services

---

**Pumps**
The core of the URACA technology: Superior quality, powerful high pressure positive displacement pumps, also for high-demanding continuous use. URACA pumps are designed acc. to API 674 on demand.
- Process and industrial pumps – reciprocating plunger pump or diaphragm design
- Test pumps
- High pressure water jetting pumps
- Sewer cleaning pumps

---

**Pump units**
Unit assembly and drives at your convenience in stationary or mobile design. Whether in container, on skid or on trailer.
- Electrically driven units
- Engine driven units
- Hydraulically driven units
- Tailor made pump control systems

---

**Tools**
URACA manufactures a wide range of cleaning tools for any application.
- Spray guns
- Tank cleaning heads
- Sewer cleaning nozzles
- Rotating nozzles
- Floor cleaners

---

**Accessories and components**
URACA's pump range is completed with a wide range of high pressure accessories and components, like
- Nozzles
- Remote controls
- Hoses
- High pressure valves
- 90 degree rotary joint
- Multi-consumer systems
- Resonators and pulsation dampers

---

**High pressure water jetting systems**
URACA gathered a lot of experience and engineering competence in the field of water jetting. URACA designs and manufactures complete systems, from simple cleaning head positioning devices up to semi-automatic and automatic operated systems for
- Reactor and vessel cleaning
- Pipe and tube cleaning
- Surface conditioning
- And others – just give us your request!

---

**Service**
After sales service is URACA's top priority. The qualified and specially trained personnel and technicians are prepared to support you at any time, whether for
- Spare parts
- Revamps
- Upgrades in case of changed process conditions
- Training
- Supervising
- Or answers to any questions you may have in terms of URACA equipment
Please do not hesitate to contact us!