TestPower
Hydrostatic test pumps

High Pressure Technology

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Customer satisfaction due to highest availability and a maximum range of applications

Whether as a high pressure pump for hydrostatic pressure tests, as a process pump for CO_2 extraction, the residual oil recovery or as a pump for high-pressure cleaning: URACA pump units fulfil 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.

Know-how
Since more than 120 years, URACA is manufacturing high pressure pumps.

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

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 hydrostatic test pump unit. Most important for top performance, endurance and highest economic efficiency of the TestPower range is the strong heart: The URACA high pressure plunger pump.

Our philosophy: the most reliable units in the market.

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 decades.

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

Proven under the toughest conditions

Pumps and units of the series TestPower are in operation worldwide under the toughest conditions. TestPower 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 products. You also can work with the best power units available.

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

Versatility on duty

The demands made on URACA test pumps are extremely varied. But the basic idea is always the same: To provide the optimal solution for individual requirements with the right unit. This will keep processes running and guarantee maximum reliability.

Developed for the future

As a leading manufacturer in the field of high pressure technology URACA offers with the TestPower series a wide range perfectly matched solutions for professional applications in hydrostatic pressure testing. Electrically driven, with gasoline or diesel engine or as a hand operated test pump. We do not invent superlatives on paper, but develop workhorses for practice. TestPower units are designed for maximum performance, efficient handling, durability and flexibility.

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

Close to perfection

In power stations, pipeline construction, pipeline maintenance or in the chemical industry, in the construction of sanitary, solar or heating installations – anywhere where industrial pipes and piping systems must be absolutely leak-free, their reliability is measured with pressure. For our environment, too, there is a lot at stake. Thus it is important to achieve the required test pressures, to hold it and if necessary to record the pressure progression. Flexible drive options will increase possible applications. Individual engineering, tailored precisely to your requirements, results in customized equipment and precise test procedures.

URACA high pressure pump units	
Drive power	from 1.5 up to 2,600 kW
Operating pressures	up to 3,000 bar

Benefits at a glance

Our features	Your benefit
For URACA plunger pumps	
Sophisticated pump design	– Less energy consumption due to high mechanical efficiency – Low-wear operation
Integrated gear box [1]	– Compact design – Small footprint
Individually selected materials	– High 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 – Precise coverage of parameters by ideal valve selection
Customised unit design	– Compliance with individual, national and international standards and norms – Pressure tests as specified in EN 12390-01:2012 and EN 12162:2010-05
Ex design (ATEX, NEC)	– Applications in explosion-proof areas or potentially explosive atmospheres
Data recording	– Pressure testing procedure, data storage and data acquisition can be logged
Adjustable testing parameter	– Specification of individual parameters for the testing procedure (pressure-time progression, flow rate)

[1] only for certain model ranges

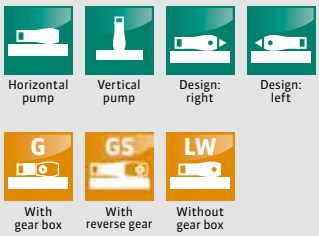
Pressure test unit DP3-10 E/1000 with freely programmable pressure curve

Pressure test unit DP3-10 E/500 in mobile design

Design options – maximum efficiency due to customised construction

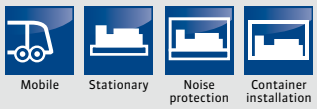
Drive configuration

- Drive arrangement
- Mode of drive: hand operated, electrically, gasoline, diesel
- Pump arrangement
- Gear box, converter, belt, direct coupled



Design options

- mobile, stationary
- with/without noise protection
- open, in container, in frame, skid mounted
- ATEX conform design



Pump configurations and types

- Liquid end designs, valve designs
- Material selection
- Accessories
- Test data recording

Pressure test unit DP725 D mounted in container

Pressure test unit DP3-10 E/700 in ATEX conform design

There is always a solution

Every pressure test is different. And that is why the solutions of our URACA engineers are as diverse as your applications. With our extensive expertise we can adapt every test pump to your specific needs. Pressure and flow rates can be individually set and controlled. The pressure testing progression can be clearly logged. With pressures of up to 3,000 bar and power requirements of up to 540 kW, URACA offers a comprehensive test pump range – hand operated, with electric drive or as a gasoline or diesel driven unit. For special requirements also an explosion protected version is available. By default, all TestPower products are suitable for water and operating temperature up to 40°C.

TestPower HP140

	HP140
Test pressure max.	30 bar
Flow rate max.	62 cm³/stroke
Plunger-Ø	14 mm
Category	1-stage
Weight	4 kg
Dimensions (L x W x H)	240 x 145 x 610 mm

Light test pump up to 30 bar with drain valve, pressure gauge, 1 m hose line with G½A threaded connection at discharge connection.

TestPower HP140

TestPower UX60

	UX60
Test pressure max.	60 bar
Flow rate max.	11 cm³/stroke
Plunger-Ø	20 mm
Category	1-stage
Weight	6.5 kg
Dimensions (L x W x H)	500 x 180 x 330 mm

Small, easy to handle test pump up to 60 bar with drain valve, pressure gauge, including 10 l stainless steel tank and 2 m hose line, G½A threaded connection at discharge connection.

TestPower UX60

TestPower HP220 / 300 / 500

	HP220	HP300	HP500
Test pressure max.	100 bar	60 bar	200 bar
Flow rate max.	15 cm³/stroke	28 cm³/stroke	79/8 cm³/stroke
Plunger-Ø	22 mm	30 mm	50/16 mm
Category	1-stage	1-stage	2-stage
Weight	14 kg	14 kg	18 kg
Dimensions (L x W x H)	438 x 318 x 520 mm	438 x 318 x 520 mm	438 x 318 x 590 mm

Robust, easy to handle test pump up to 200 bar with drain valve, pressure gauge, 30 l oval tank and 3 m hose line. Ideal for testing small volumes. One and two stage version.

TestPower HP500

TestPower HP32-8

TestPower HP32

Two stage hand operated test pump up to 1,000 bar with drain and safety valve, pressure gauge, 60 l mobile rectangular tank and 3 m hose line. Designed for higher pressures, available also in stainless steel design.

	HP32-12	HP32-12VA	HP32-8
Test pressure max.	630 bar	630 bar	1,000 bar
Flow rate max.	28/3.4 cm^3/stroke	28/3.4 cm^3/stroke	28/1.5 cm^3/stroke
Plunger-Ø	32/12 mm	32/12 mm	32/8 mm
Category	2-stage	2-stage	2-stage
Weight	38 kg	51 kg	38kg
Dimensions (L x W x H)	480 x 330 x 820 mm	480 x 330 x 820 mm	480 x 330 x 820 mm

TestPower HP20-5

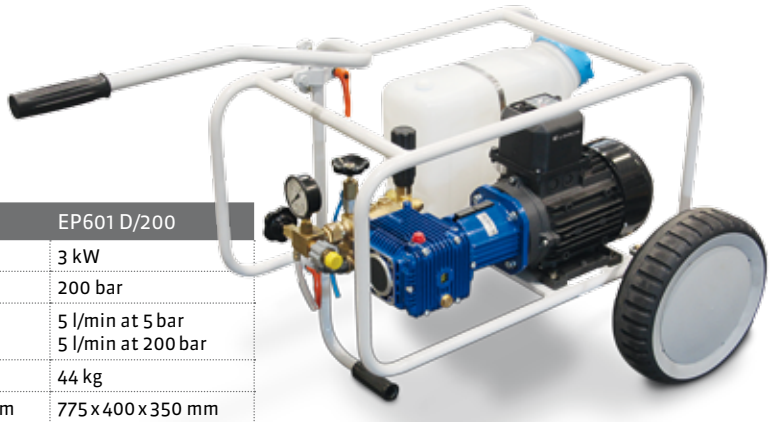
TestPower HP20-5

	HP20-5
Test pressure max.	3,000 bar
Flow rate max.	11/0.5 cm^3/stroke
Plunger-Ø	20/4.5 mm
Category	2-stage
Weight	53 kg
Dimensions (L x W x H)	480 x 320 x 989 mm

Two stage hand operated test pump up to 3,000 bar with drain valve, pressure gauge, 60 l mobile rectangular stainless steel tank and 1.5 m hose line with connection M26 x 1.5.

TestPower EP601

Pressure test unit EP601 in protection and transport frame. Stationary acc. to ATEX design.



	EP601 W/100	EP601 D/160 Ex	EP601 D/200
Drive power pump unit	1.5 kW	3 kW	3 kW
Test pressure max.	100 bar	160 bar	200 bar
Flow rate max.	5 l/min at 5 bar 5 l/min at 100 bar	5 l/min at 5 bar 5 l/min at 160 bar	5 l/min at 5 bar 5 l/min at 200 bar
Weight	37 kg	59 kg	44 kg
Dimensions (L x W x H)	775 x 400 x 350 mm	775 x 400 x 350 mm	775 x 400 x 350 mm

TestPower EP602

Mobile pressure test unit EP602

This TestPower series of electrically driven test pumps offer a wide range of applications. The pump units are used for hydrostatic pressure testing of all types of components, tubes, pipelines, tanks, cylinders and installations. Universal application in sanitary, heating, solar and sprinkler installations, compressed air systems, steam and cooling systems, oil installations, hydraulic systems for boilers, pressure vessels and fittings. Functional and ergonomic handling are outstanding features of these compact and reliable pump units.

	EP602 D/200	EP602 D/350	EP602 D/500
Drive power pump unit	11 kW	11 kW	11 kW
Test pressure max.	200 bar	350 bar	500 bar
Flow rate max.	30 l/min at 20 bar 30 l/min at 200 bar	15 l/min at 20 bar 15 l/min at 350 bar	10 l/min at 20 bar 10 l/min at 500 bar
Weight	114 kg	114 kg	119 kg
Dimensions (L x W x H)	1,265 x 565 x 1,000 mm	1,265 x 565 x 1,000 mm	1,265 x 565 x 1,000 mm

TestPower VP602

Pressure test unit VP602 G/200
with gasoline engine.

More flexibility with combustion engine in gasoline or diesel design. Universal application for sanitary, heating, solar and sprinkler installations, compressed air systems, steam and cooling systems, oil installations, hydraulic systems for boilers, pressure vessels and fittings. Functional and ergonomic handling are outstanding features of these compact and reliable pump units.

	VP602 G/200	VP602 D/200
Drive power pump unit	8.2 kW – gasoline engine	7.5 kW – diesel engine
Test pressure max.	200 bar	200 bar
Flow rate max.	15 l/min at 20 bar 15 l/min at 200 bar	15 l/min at 20 bar 15 l/min at 200 bar
Weight	90 kg	109 kg
Dimensions (L x W x H)	1,265 x 565 x 1,000 mm	1,265 x 565 x 1,000 mm

Pressure test unit VP602 D/200
with diesel engine.

TestPower DP3-10

	DP3-10
Drive power pump	38 kW
Test pressure max.	2,000 bar
Flow rate max.	163 l/min at 125 bar 7.5 l/min at 2,000 bar
Weight	500 kg
Dimensions (L x W x H)	1,200 x 800 x 1,000 mm

Electrically or diesel driven, for many different applications in factories or on construction site, up to 2,000 bar.

Test pump unit DP3-10 E/1000 with feed tank and booster pump in skid frame

Fully automatic test pump unit DP3-10 E with filling and test function for several test points with different testing pressures and volumes

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

Test pump unit DP3-10 E/500 with pneumatically driven unloading valve and infinitely adjustable pressure setting

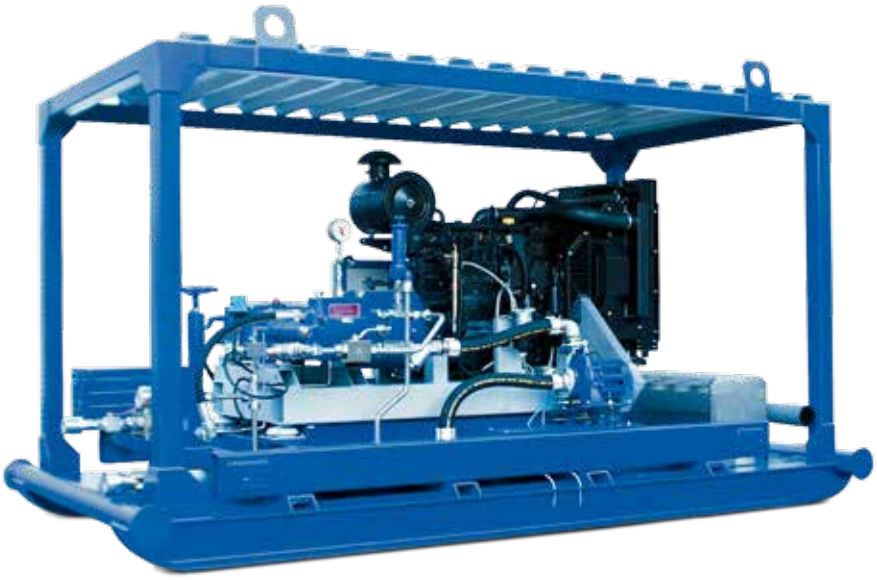
Diesel driven test pump unit DP3-10 D/1000 with mechanical valve mounted on base frame

Test pump unit DP3-10 E with gearless drive mounted on industrial chassis

TestPower DP719

	DP719
Drive power pump	110 kW
Test pressure max.	2,800 bar
Flow rate max.	432 l/min at 125 bar 14.7 l/min at 2,800 bar
Weight	1,300 kg
Dimensions (L x W x H)	1,900 x 1,300 x 900 mm

Electrically or diesel driven test pump units with an ideal power range – also available as a skid version.



Test pump unit DP719 D/250 with sunshield

TestPower DP724

	DP724
Drive power pump	170 kW
Test pressure max.	3,000 bar
Flow rate max.	615 l/min at 130 bar 20 l/min at 3,000 bar
Weight	3,000 kg
Dimensions (L x W x H)	2,500 x 1,700 x 1,200 mm

Electrically or diesel driven test pump units for flexible and efficient testing applications – even under extreme conditions.

Test pump unit DP724 D with special base frame to be used on weak and sandy underground, with central eyebolt

Diesel driven test pump unit DP725 D.
Compact design with back flushing filter

TestPower DP725

Electrically or diesel driven test pump units for flexible and efficient testing applications under extreme conditions.

	DP725
Drive power pump	270 kW
Test pressure max.	2,800 bar
Flow rate max.	715 l/min at 200 bar 34 l/min at 2,800 bar
Weight	3,500 kg
Dimensions (L x W x H)	2,700 x 1,800 x 1,200 mm

Electrically driven test pump unit DP725 E
for hydrostatic pressure and tightness tests
under industrial conditions

URACA – professional high pressure system supplier

Products and services

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

Pumps

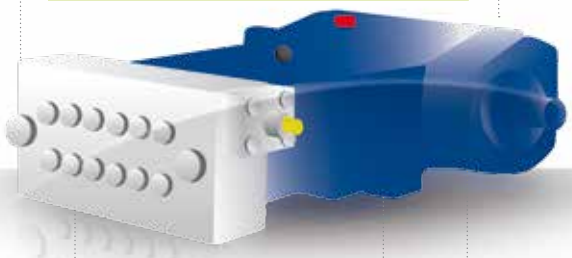
The core of the URACA technology: Superior quality, powerful high pressure positive displacement pumps, also for high-demanding continuous use. URACA pumps are designed acc. to API 674 on demand.

- Process and industrial pumps – reciprocating plunger pump or diaphragm design
- Test pumps
- High pressure water jetting pumps
- Sewer cleaning pumps

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!



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

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!

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