URACA

ATEX product range
Better safe than sorry!

High Pressure Technology

highefficiency

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.

Know-how
Since more than 130 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.

Developed for the future

As a leading manufacturer in the field of high pressure technology URACA offers with its pump units and high pressure cleaning equipment 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. URACA products are designed for needs-based use and durability.

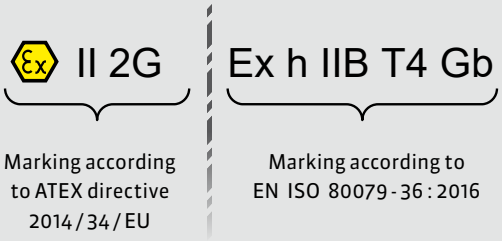
URACA and ATEX

Time and again explosive atmospheres may occur during chemical and engineering processes. May it be caused by gases, vapours, mists or dusts in combination with oxygen: URACA products are basically also suitable for use in explosive areas. They are designed and built in a conformity assessment procedure in accordance with the ATEX product directive 2014/34/EU.

Equipment group II

Equipment category	Category 1	Category 2	Category 3
Hazard assessment	Probability of the presence of an explosive atmosphere		Probability of taking effect of an ignition source
Zone gas	0	1	2
Zone dust	20	21	22

Meaning and structure of the ATEX-string by means of an example.



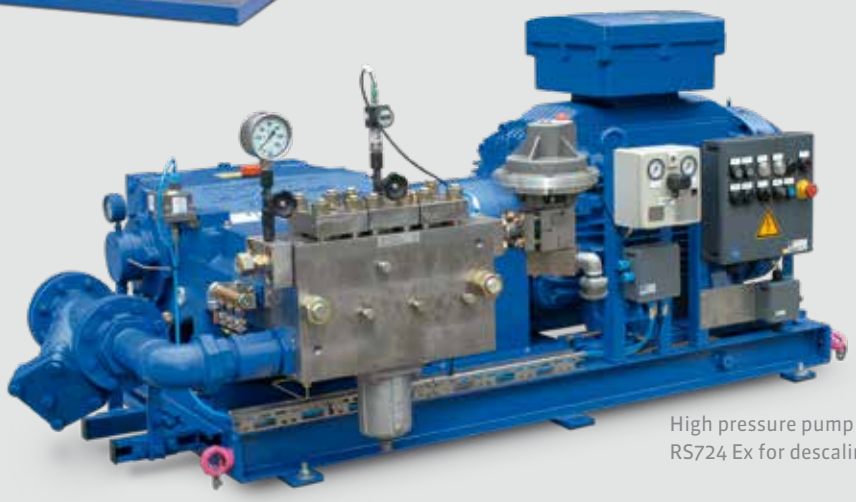
Pump units customized
for your requirements

High pressure pump units from URACA are optionally also suitable for use in explosive areas. They are designed and built in a conformity assessment procedure in accordance with the ATEX Directive 2014/34/EU. This applies for all pump units built for process industry and high pressure cleaning as well as for hydrostatic pressure testing. From small to large.

Pressure test unit
EP601 D/160 Ex

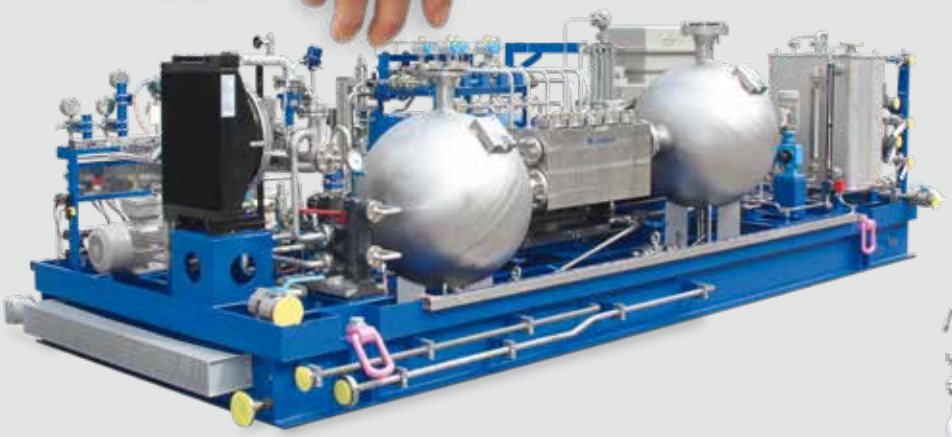
Pressure test unit
DP708 E/1200 Ex

Pressure test unit
DP3-10 E/400 Ex



High pressure pump unit
RS724 Ex for descaling

RELIABLE SAFETY IN ALL PERFORMANCE CLASSES



High pressure pump unit P5-70 with resonator and lube oil system

High pressure pump unit P3-96 for coal slurry

Design may be subject to modification. Weights, dimensions, illustrations and technical data are non-binding.

Positioning devices
in all automation levels

To meet the diverse requirements of the internal vessel cleaning with the different deposits, URACA has opted for an individual, modular cleaning. URACA sets on an individual, modular cleaning system with neatly combinable components that can be added as required. Every individual element is designed, developed and produced in accordance with the most stringent demands. Of course the positioning devices can be used in explosive areas if necessary. Many of our cleaning devices had been built according to the ATEX directive and are used under extreme conditions.

Combined gas-tight knee system for automatic internal cleaning of vessels with built-in components

CONSIDERED BY DEFAULT

Safety first – that's our standard

URACA tank cleaning heads TWK series are corresponding to the equipment category 1. They have the type examination certificate which allows the use of the tank cleaning head in all explosive areas including zone 0 and 20.
Cleaning heads KBR series for small container may also be used in potentially explosive atmospheres. If needed they can be built according to the ATEX directive.

KBR 95-400 according to ATEX directive

Tank cleaning head TWK

A system made-to-measure

The TWK tank cleaning head from URACA, driven by high-pressure water, has two opposite-mounted nozzles, at an off-axis angle. The recoil forces of the flowing water cause the rotor to turn. With the simultaneous turning of the TWK on its vertical axis the water jets reach every nook and cranny and thus clean the entire internal surface of the vessel.

SAFE! ON THE WHOLE RANGE

Never the less, if foot valve or spray gun: The safety requirements regarding high pressure tools and accessories has priority with URACA.

Spray guns and accessories

Obviously, the security requirement shall apply to URACA high pressure tools and accessories. Spray guns, rotating nozzles, valves or swivel joints: All products are manufactured in conformity with ATEX when needed.

SP1203 according to ATEX

Our product range:
ATEX by default

High pressure plunger pumps
All types according to ATEX

High pressure pump units
from small to large – in all performance classes and with different drive and construction variants

Positioning devices
flexible, customized solutions from one single source. From simple TWK-positioning devices to complex and automatic cleaning systems

Cleaning heads
certainly the right solution – whether standard explosion-proof TWK or KBR. Depending on your needs

Spray guns
cleaning or removing – the universal tool for manual tasks

Rotating nozzles
individual tools for different applications

Valves
reliably controlling and regulating – solutions for every appliction

ATEX prduct range_EN_07.26

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