

Press Release

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Proven even better!

Powerful, lightweight, reliable – that's the new P3-19 high-pressure pump

The new high-pressure plunger pump model P3-19 features much more than just a new look: Smaller, lighter, stronger and at the same time technically up to date in the usual high quality - this is how the P3-19 presents itself to its users. With its higher power density, the pump not only replaces the previous KD708, it also opens up a wider field of application with a good 10% more power.

As the European market leader, URACA places particular emphasis on high power density and the longest possible running times with a thoroughly robust operation of the pumps. The wide acceptance of the pumps is because of these features, as well as a reputation for reliability. The P3-19 includes a crankcase sealing as standard to ensure even higher reliability compared to the predecessor. Thanks to nearly identical mounting points to those of the KD708, lighter weight, and a more compact design overall, switching to a P3-19 is easy for customers which are looking for an upgrade.

Many years of experience in the development and construction of high-pressure plunger pumps, state-of-the-art technology and high manufacturing quality with maximum vertical integration have made URACA a leading company in this industry. This experience is reflected in the new P3-19, which features a compact design and an optimized position of the input shaft, allowing for easy installation on any sewer cleaning truck. At a weight of only 162 kg including the integrated gear drive, the P3-19 also helps users get the maximum load of their trucks. Finally, the P3-19 works reliably even when pumping recycled water and makes a convincing contribution to the environmentally conscious use of water, energy and resources.

Technical data

- ▶ Flow rates up to 324 l/min
- ▶ Operating pressures from 140 - 250 bar
- ▶ Max. drive power 83 kW
- ▶ Weight 162 kg

As a market-leading pump manufacturer, URACA has been a pioneer in the development of municipal high-pressure cleaning since the beginning of sewer cleaning, more than 60 years ago. The many years of experience and strengths are specifically reflected in powerful and efficient solutions for municipalities, special purpose associations and service companies. With its good 80 kW and its high power density, the P3-19 expands the URACA pump portfolio to the benefit of the user. URACA plunger pumps meet their tasks both ecologically and economically, as they operate with a very high efficiency ($\eta > 0.9$) over the entire speed range, even in partial load operation.

With a power range from approx. 20 kW / 40 HP to 2,600 kW / 3,500 HP drive power and operating pressures up to 3,000 bar / 43,500 psi, the URACA pump portfolio meets almost all requirements for pumping tasks in the range of high and highest pressures.

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Photo: URACA

File: P3-19_1058.jpg

Caption: URACA sewer cleaning pump P3-19

URACA GmbH & Co. KG

URACA is one of the leading manufacturers of high pressure plunger pumps and high pressure cleaning systems. The privately owned company was founded in 1893 and has approx. 310 employees including 17 apprentices. The annual turnover amounts to approx. 60 million Euro whereby the export share is more than 60 per cent. The company's main activity is the design and production of high pressure plunger pumps and units for operating pressures up to 3000 bar / 43500 psi and driving powers up to 2600 kW / 3500 HP as well as complete cleaning systems. For further information, please visit our website: www.uraca.com.