

# A clean job

## Sewer cleaning pumps



High Pressure Technology

# Pipe and sewer cleaning nozzles – The full portfolio

All nozzles can be supplied with various nozzle heads, nozzle extensions as well as adjustable slides, with and without propulsive nozzles available. This allows for thorough cleaning of pipes and sewers with different diameters.

## Cleaning nozzle **DFK 55**

The robust nozzle for sewer cleaning – also suited for narrow pipes.

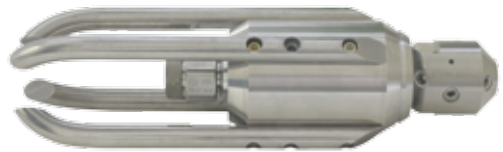
DFK 55	
Allowed operating pressure	50–1,600 bar
Recommended flow rate	25–150 l/min
Rotational speed range	100–1,500 min <sup>-1</sup>
Minimum diameter (with smallest slide)	67 mm
Minimum diameter (without slide)	55 mm



## Cleaning nozzle **DFK 61**

The leakage-free pipe cleaning nozzle with adjustable rotational speed for maximum pressure.

DFK 61	
Allowed operating pressure	1,600–3,000 bar
Recommended flow rate	10–40 l/min
Rotational speed range	500–2,000 min <sup>-1</sup>
Minimum diameter (with smallest slide)	75 mm
Minimum diameter (without slide)	61 mm



## Cleaning nozzle **DFK 90**

The all-rounder amongst the rotating sewer cleaning nozzles for high flow rate capacity.

DFK 90	
Allowed operating pressure	50–800 bar
Recommended flow rate	30–400 l/min
Rotational speed range	200–1,200 min <sup>-1</sup>
Minimum diameter (with smallest slide)	145 mm
Minimum diameter (without slide)	90 mm



# All-purpose pipe and sewer cleaning nozzles



Individually drilled, reversible



Individually drilled, reversible

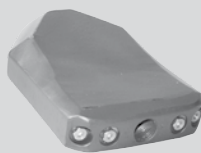


Bombs and grenades

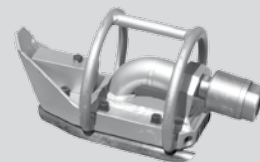
## Extra and special nozzles



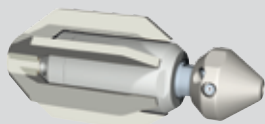
Rod Nozzles



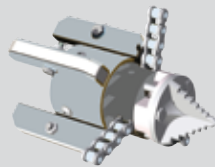
Flounder



Bulldozer



Bulldog



Root cutter, cutting chain



Rotation nozzle

## Nozzle inserts

All nozzles are available in various diameters and for different pressure levels. Nozzle inserts for various pressure levels and flow rates are also available.



Type R



Type E



Type L



Type P



Type N

# 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

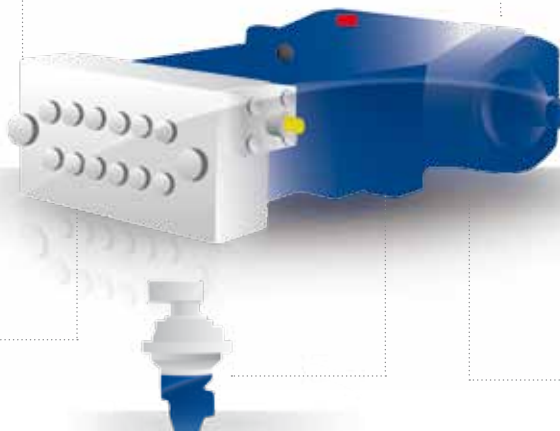
- Reactor and vessel cleaning
- Pipe and tube cleaning
- Surface conditioning
- And others – just give us your request!



### — 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!