KERSTEN®

# Nozzle
DD 209

## THE PRODUCT

The DD 209 and DD 209 (A) discharging nozzles are flow-optimised. A greater electrostatic discharge reach and cleaning effect on the material to be discharged may be achieved with the additional support of compressed air. Air connection is provided via a G1/4" female thread.

## BENEFITS

- Durable for continuous use thanks to tungsten needles.
- Continuous flow of ions
- Compact design
- Touch protection for maximum user safety

## CUSTOMER BENEFITS

- Easy to install
- Fits to your compressed air supply
- Suitable for a wide range of applications

## WHY KERSTEN?

- Made in Germany for over 40 years
- Needs-based consultation
- Individual solutions
- Very short delivery times

Status: 09/2025 | Subject to technical modifications.

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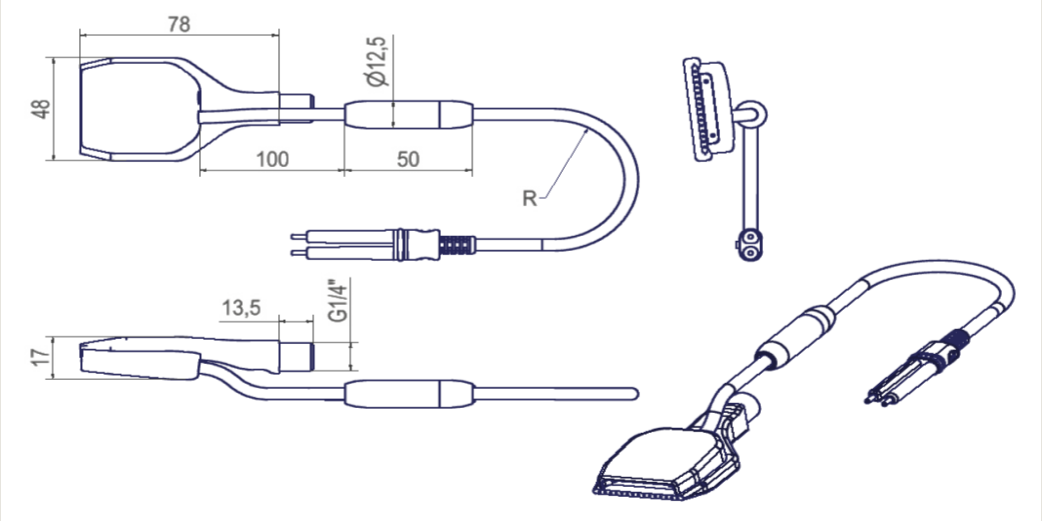
# Technical Data
## DD 209

| | | | |
|---|---|---|---|
| **GENERAL** | | | |
| Supply voltage | $U_{max}$ | kV DC | <+9.0 / > -9.0 |
| Needles material | | | Tungsten |
| Connection type | | | neXt® - plug-in |
| Max. effective distance at max. output voltage | | mm | 1000 |
| **DETAILS** | | | |
| Air supply (oil, water and dust free) | p | bar | 0.5 - 2.5 |
| Air connection (outer thread) | | G | 1/4 |
| Air consumption at 0.2 to 1.0 bar | | $m^3/h$ | 2.3 - 5.7 |
| Minimum bending radius of cable<br>- Fixed installation / - Constant motion | R | mm | 15 / 30 |
| Minimum distance (lateral / in operating direction) | | mm | 30 / 40 |
| **CLIMATIC CONDITIONS** | | | |
| Temperature during transport and storage | T | °C / °F | -25 - +85 / -13 - +185* |
| Temperature during operation | T | °C / °F | +5 - +80 / +41 - +176** |
| Relative humidity / with compressed air (non condensing) | RH | | <80 / <60 |
| **DIMENSIONS** | L/W/H | mm | 78/ 49/ 17 |

*gem. UL 50 Typ B / Klasse 3K3 max. +70 °C (+158 °F) **gem. UL 50 Typ B / Klasse 3K3 max. +70 °C (+158 °F)

## TECHNICAL DRAWING




All dimension measurements in mm

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