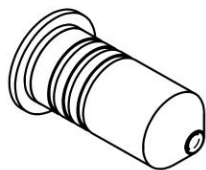


# Data sheet Nozzle A450

Nozzle for plasmabrush® PB3 / PG-31 atmospheric plasma generator



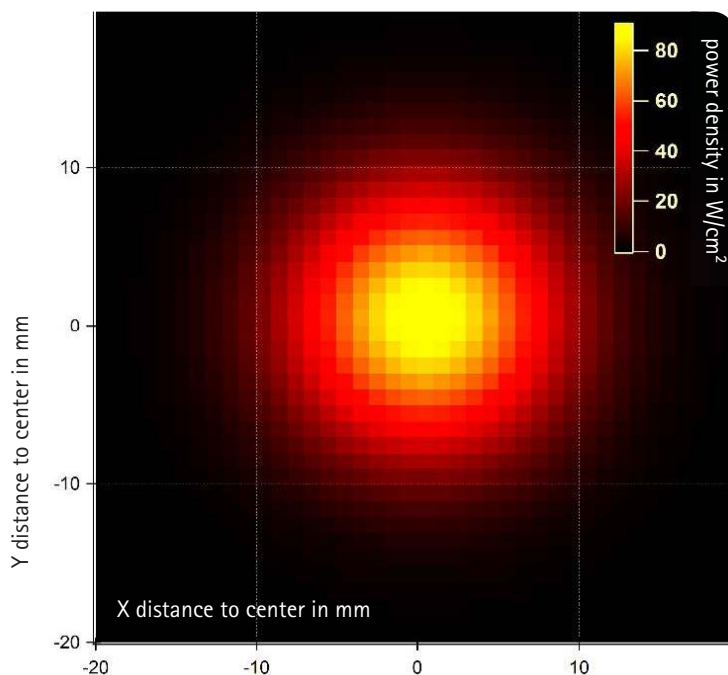
Nozzle A450 is a high performance nozzle powered by a Pulsed Atmospheric Arc (PAA®) generator (PG-31) and a pulsed high voltage power supply (PS2000).

## Functions of nozzle A450

- ◇ Focusing of the plasma flame
- ◇ Grounded cathode for the high power arc
- ◇ Formation of the cavity to excite the process gas

## Field of application of nozzle A450

- ◇ Surface cleaning
- ◇ Surface activation
- ◇ Optimized for high process speeds



Description	
Nozzle type	A450
Nozzle length	50 mm
Outlet	4 mm
Outer diameter	21 mm
Weight	90 g

Process parameters	
Permissible gases	Air, Nitrogen, Forming gas 95/5
Gasflow	35 - 80 L/min
Working distance	5 - 30 mm
Activation width	10 - 25 mm
Lifetime *	> 500h (Operation with Air); > 1000h (Operation with Nitrogen)

**\* Please note:**

A guarantee for the service life of the nozzles cannot be given, as this depends considerably on the integration situation and application. The service life depends, among other things, on factors such as duty cycle, degree of contamination, process gas, treated material, power or working distance.



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A TDK GROUP COMPANY

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## Typical activation results

