



NEW



LECHLER SPOT-SPRAY FLAT SPRAY NOZZLE

Series LS 20



ON POINT
Spraying Solutions

AGRICULTURE

In modern agriculture, sensor technology and artificial intelligence (AI) are revolutionizing various areas, for example:

- Automatic weed detection using drones and AI for even precise pest control
- Optimization of fertilization, irrigation and crop protection thanks to smart sensor technology and AI-supported data analysis for informed decision making
- Increased efficiency through autonomous, self-monitoring machines – for greater environmental friendliness and biodiversity

Sensor technology and AI help to make agriculture more sustainable, cost-efficient, and environmentally friendly. However, accurate data collection and processing are crucial.

In “spot spraying”, for example, autonomous robots apply herbicides only in small areas where weeds are present. Special nozzles with narrow spraying angles, low flow rates and normal distribution are used for this – either as a single nozzle for a spot or several nozzles together for a patch.

This leads to more precise application, lower resource consumption and better environmental protection.



Technical data



Nozzle sizes
005 and 02



Spray angle
20°



Material
POM



Pressure ranges
2–5 bar



Spray pattern
Flat spray with normal distribution



Droplet sizes
Fine – very coarse



Width across flats
8 mm

Advantages

- Suitable for very low application heights
- Ideal for precise spot spraying
- Compatible with PWM valves