



**Nozzles BBA-rated for 90/75/50 % loss reduction:
- IDKS 80-025/-03/-04/-05**
Edge treatment in field cultivation in conjunction with IDK 120 of the same nozzle size.
The current list of loss-reducing recognised Lechler nozzles and instructions on how to use them is available at: www.lechler-agri.com.



Wherever there is a need for spraying with clear edge definition and reduced drift, the Lechler Air Injector compact angled jet nozzle IDKS is the optimum supplement for the proven IDK/IDKN nozzles.

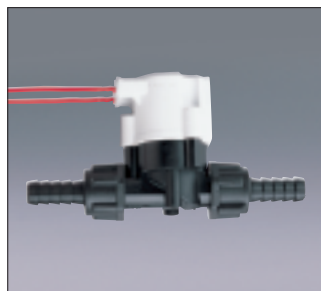
Applications:

- For band / row spraying and as an end nozzle combined with IDK / IDKN nozzles on the boom.
- Along edge strips next to bodies of water
- Along field edges and hedgerow biotopes
- For protecting sensitive nearby cultures
- For herbicide underleaf spraying in row cultures (e.g. asparagus)
- For herbicide strips in fruit and wine cultivation, tree nurseries, special cultures
- In spray units for limiting the flat jet of the respective first and last nozzle on the fan / boom

Installation examples



Lechler standard solenoid valve



Lechler solenoid valve for hose connection



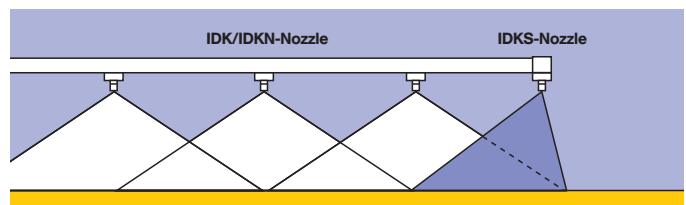
VarioSelect® double nozzle holder



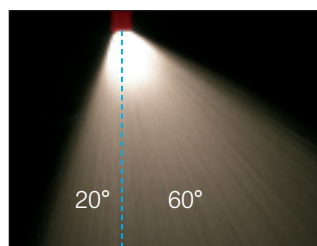
Lechler multiple nozzle holder

Air Injector compact angled jet nozzle IDKS for spraying with clear edge definition

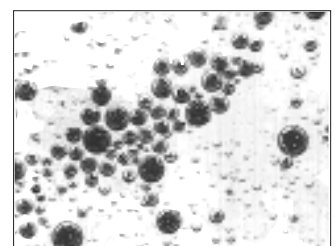
- Flat-jet nozzle with air suction and 80° spraying angle made of wear-resistant and chemical-resistant POM
- Nozzle sizes 02 to 05
- Pressure range: IDKS 02 to 03: 1.5 to 6.0 bar
IDKS 04 and 05: 1.0 to 6.0 bar
Pressure range, vertical spraying boom: 8 to 15 bar
- Asymmetrical spray pattern (20°/60° to the axis)
- Optimum horizontal distribution in the nozzle assembly with IDK/IDKN nozzles
- Drop spectrum medium to very coarse
- Very little drift
- Very compact dimensions (length 22 mm)
- Suitable for all bayonet cap systems with a/f 8 and union nuts
- IDKS nozzles differ visibly from IDK nozzles with their lighter injector colour and an asymmetrical triangle on the housing edge
- Approved by the Federal Biological Research Centre for Agriculture and Forestry (BBA) (1.0 / 1.5 to 6 bar)



Edging treatment with IDKS-nozzles in combination with IDK/IDKN-nozzles



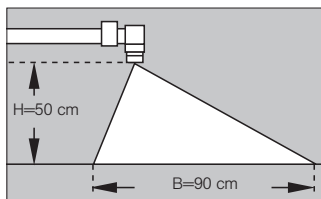
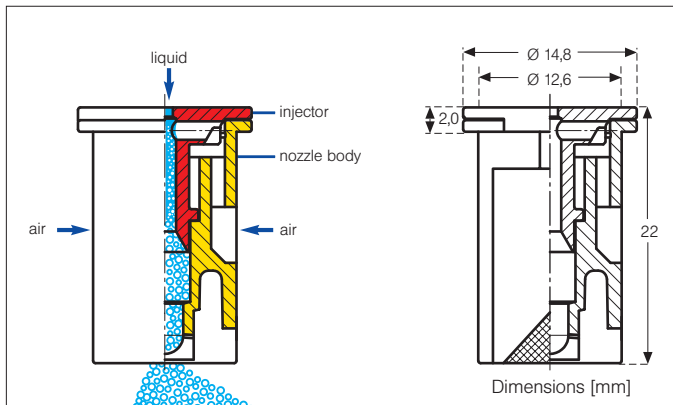
Asymmetrical spray pattern



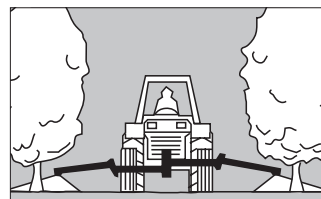
Aeration effect



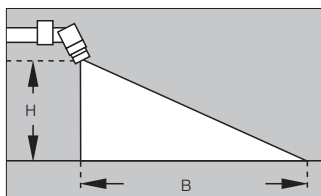
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Spray dimensions



Band spraying in orchards/vineyards



Accessories: swivel nozzle holders, etc.



Underleaf spraying in row crops

The advantages of the Air Injector compact angled jet nozzle IDKS

- An economical alternative to ordinary OC angled jet nozzles
- Single-part nozzle with an injector that can be removed without tools in a fixed, reproducible position
- Low risk of damage to the nozzle, thanks to its very compact design
- Low wear and blockage prevention thanks to two large suction ducts at the side
- Easy operation of the nozzle with an electric diaphragm pump in e.g. strip spraying unit (cut-off pressure normally 2.4 bar, more rarely 3 bar)
- Especially low-drift in the low pressure range of 1.5 to 3 bar
- On-time application even in unfavourable weather conditions
- Maximum protection of the culture plants against drift during underleaf application in space cultures
- Very good deposit and penetration
- The same biological effectiveness as normal angled jet nozzles

- Yield data valid for water
- Before each spraying season, check nozzles by gauging their capacity
- Pressure measured at the nozzle

If necessary, please request further information on field cultivation and underleaf application in fruit and wine cultivation.

Volumetric flow table for Air Injector Compact angled jet nozzles IDKS

		l/min						
		[bar]						
		1,0	1,5	2,0	3,0	4,0	5,0	6,0
IDKS 80-02	60 M	-	0,42	0,48	0,59	0,68	0,76	0,83
IDKS 80-025	60 M	-	0,56	0,65	0,80	0,92	1,03	1,13
IDKS 80-03	60 M	-	0,70	0,81	0,99	1,15	1,28	1,40
IDKS 80-04	60 M	0,69	0,84	0,97	1,19	1,37	1,53	1,68
IDKS 80-05	25 M	0,91	1,12	1,29	1,58	1,82	2,04	2,23