



Air-injector tips ID 90 – even less drift in orchards, vineyards and other space crops



Features

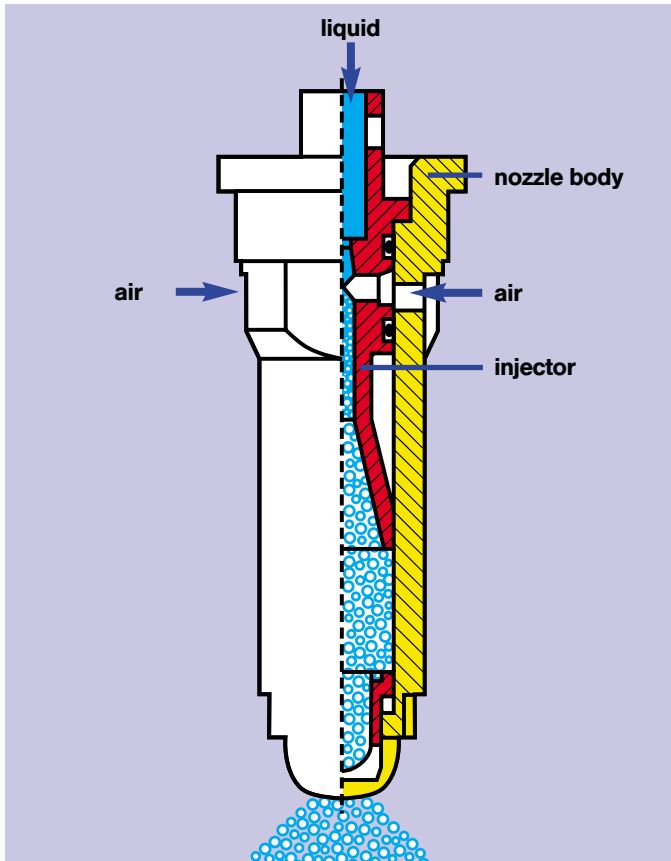
- Air-aspirating flat-spray tip
- Heavy duty, chemical-resistant ceramic
- One-piece nozzle with easily removable solid-ceramic injector
- Large, non-clogging cross sections of flow
- Compact design with minimal impact surfaces
- Made to match all threaded caps on nozzle body
- Safe & sure, adaptorless mounting, easy alignment
- Optimal spray pressure 8 – 15 bar
- BBA-approved (3 – 20 bar)
- BBA loss-reducing approved

Main benefits of the ID 90 in air assisted sprayers:

- Extremely low drift potential
- Drift reduction 99*/90*/75*/50* %
(*depending on air assistant sprayer)
- Environmentally benign application of plant protectants
- Same biological efficiency as that of conventional hollow cone nozzles
- Much-improved crop/canopy penetration
- Superior active-ingredient coverage
- Uniform deposition structure
- Optimal air flow application via flat jet
- No »wet blower«
- No visible spray mist
- ISO color-coded for simple replacement of TR-tips with ID 90



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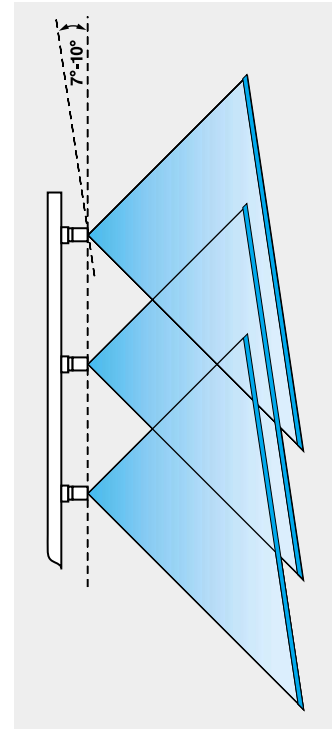


Installation instructions

Align the spray jets of ID tips to agree with the orientation of the air from the blower. Adjust the nozzles to a spray-plane offset of 7° – 10°. Use a 10-mm fork wrench to make the adjustments.

For optimal mounting and seating of nozzles, use:

- with cup strainer, gasket 3.0 mm (order no. 065.240.73.01)
- without cup-strainer gasket, 5.0 mm (order no. 095.015.6C.07.10)



Flow rate table for Lechler ID 90-Nozzles

Type	Strainer	Flow rate [l/min]													
		Pressure* [bar]													
		5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	18.0	20.0
ID 90-01	50 M	0.51	0.55	0.60	0.64	0.68	0.72	0.75	0.78	0.82	0.85	0.88	0.91	0.96	1.01
ID 90-015	50 M	0.76	0.83	0.90	0.96	1.02	1.07	1.13	1.18	1.22	1.27	1.31	1.36	1.44	1.52
ID 90-02	50 M	1.01	1.11	1.19	1.27	1.35	1.42	1.49	1.56	1.62	1.68	1.74	1.80	1.91	2.01
ID 90-025	50 M	1.28	1.40	1.52	1.62	1.71	1.81	1.90	1.98	2.06	2.14	2.21	2.29	2.42	2.56
ID 90-03	50 M	1.52	1.64	1.79	1.91	2.03	2.14	2.24	2.34	2.44	2.53	2.62	2.70	2.87	3.02
ID 90-04	50 M	2.02	2.21	2.37	2.53	2.68	2.83	2.97	3.10	3.23	3.35	3.47	3.58	3.80	4.00
ID 90-05	25 M	2.50	2.74	2.96	3.17	3.36	3.54	3.71	3.88	4.04	4.19	4.34	4.48	4.75	5.01
ID 90-06	25 M	3.01	3.28	3.54	3.79	4.02	4.24	4.44	4.64	4.83	5.01	5.19	5.36	5.68	5.99

Sample order

Type + spray angle + int'l tip size = order number
 ID 90° 01 = ID 90-01

$$\dot{V} = \frac{M \times v_f \times B}{n \times 600}$$

\dot{V} = Flow rate per nozzle l/min
 M = Liter per hectare rate l/ha
 v_f = Sprayer speed km/h
 B = Row distance m
 n = Number of nozzles

- The stated flow rates apply to water
- Spray pressure at the nozzle tip
- Prior to each spraying season, verify the table data by gauging the flow rates
- Make sure that all nozzles have the same settings