



5-orifice nozzles FL (for liquid fertilizers)

Five-orifice nozzle with horizontal spray formation.

Advantages

- Black and gray nozzle sizes can be combined with dosing orifices
- Change in delivery rate by replacing the dosing orifice
- No leaf damage due to extremely coarse droplets



Bore diameter
0.8 – 1.8 mm



Recommended filters
25 M



Spray angle
160°



Droplet size
Extreme coarse



Material
- Nozzle body:
POM, stainless steel
- Dosing orifice:
stainless steel



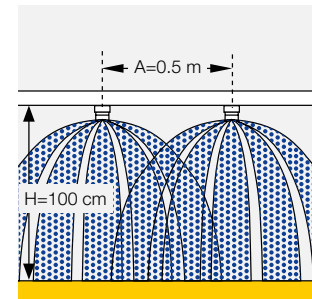
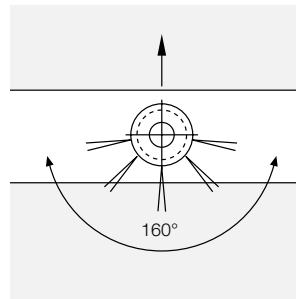
Width across flats
10 mm



Pressure range
- Dosing orifice
0.8 – 1.0: **1 – 5** bar
- Dosing orifice
1.2: **1 – 4** bar
- Dosing orifice
1.5 – 1.8: **1 – 3** bar




Application area
Liquid fertilizer



More detailed information is available in Lechler brochure for application of liquid fertilizer as well as www.lechler-agri.com

Spray table for 5-orifice nozzles FL (for liquid fertilizers)

Ø mm	l/min		UAN l/ha 											
	Water	UAN	5.0 km/h	6.0 km/h	7.0 km/h	8.0 km/h	9.0 km/h	10.0 km/h	11.0 km/h	12.0 km/h	14.0 km/h	16.0 km/h	18.0 km/h	
0.8/32	1.0	0.31	0.27	66	55	47	41	37	33	30	27	23	20	18
	2.0	0.43	0.38	91	76	65	57	51	46	41	38	33	29	25
	3.0	0.53	0.47	112	94	80	70	62	56	51	47	40	35	31
	4.0	0.61	0.54	129	108	92	81	72	65	59	54	46	40	36
	5.0	0.68	0.60	144	120	103	90	80	72	66	60	52	45	40
1.0/39	1.0	0.46	0.41	98	81	70	61	54	49	44	41	35	30	27
	2.0	0.65	0.57	138	115	98	86	77	69	63	57	49	43	38
	3.0	0.80	0.71	170	141	121	106	94	85	77	71	61	53	47
	4.0	0.92	0.81	195	163	139	122	108	98	89	81	70	61	54
	5.0	1.03	0.91	218	182	156	137	121	109	99	91	78	68	61
1.2/48	1.0	0.67	0.59	142	118	102	89	79	71	65	59	51	44	39
	2.0	0.95	0.84	202	168	144	126	112	101	92	84	72	63	56
	3.0	1.16	1.03	246	205	176	154	137	123	112	103	88	77	68
	4.0	1.34	1.18	284	237	203	178	158	142	129	118	102	89	79
1.5/59	1.0	0.98	0.87	208	173	148	130	115	104	94	87	74	65	58
	2.0	1.38	1.22	293	244	209	183	163	146	133	122	105	91	81
	3.0	1.69	1.49	359	299	256	224	199	179	163	149	128	112	100
1.8/72	1.0	1.39	1.23	295	246	211	184	164	147	134	123	105	92	82
	2.0	1.96	1.73	416	346	297	260	231	208	189	173	148	130	115
	3.0	2.40	2.12	509	424	364	318	283	255	231	212	182	159	141

- Spray pressure at the nozzle tip (gauged with a diaphragm valve).
- Lateral spacing 0.5 m.
- Prior to each spraying season, verify the table data by gauging the flow rates.
- Make sure that all nozzles have the same settings.
- The stated liter-per-hectare rates apply to UAN (28/1.28 kg/l).

Ordering

When ordering, please include both order numbers, that of the nozzle and that of the dosing orifice.

Recommendation

Please use grey 5-orifice nozzles (order no. 500.179.56.01) for combination with large dosing orifices (1.2, 1.5 and 1.8 mm)

Description	Order. no.
5-orifice nozzles FL (excl. dosing orifice)	
Stainless steel	500.179.16
POM (■ black) for dosing orifices 0.8/1.0/1.2 mm Ø	500.179.56.00
POM (■ grey) for dosing orifices 1.2/1.5/1.8 mm Ø	500.179.56.01
Dosing orifices	
0.8 mm/32 Stainless steel	050.030.1C.00.00
1.0 mm/39 Stainless steel	050.030.1C.01.00
1.2 mm/48 Stainless steel	050.030.1C.03.00
1.5 mm/59 Stainless steel	050.030.1C.02.00
1.8 mm/72 Stainless steel	050.030.1C.04.00

Assembly instruction

Inscription on dosing orifice must face upwards when inserted in the bayonet cap!

