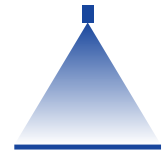


Even flat fan nozzles E



Crop production / Ground care

Dimensions in mm.

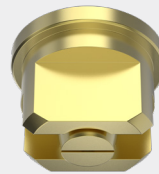
- Flat spray nozzle with rectangular liquid distribution
- For band and row spraying

Advantages

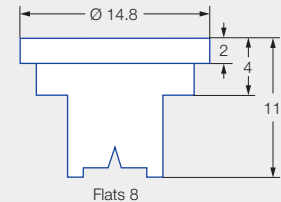
- 90 % drift reduction for 8002 to 8004 E
- Fully formed spray angle from 1 bar
- Uniform active ingredient distribution over the whole band width
- Extremely small spraying distances possible
- Suitable for PWM



E



E-M



Series E

Spray height H [cm]	Band width B [cm]	Product application quantity ¹ [%], at row spacing A		
		50 cm	75 cm	100 cm
7	10	20	13	10
10	15	30	20	15
13	20	40	27	20
16	25	50	33	25

¹ Percentages, in comparison with full-area treatment.

Reduction in application rate

Depending on the band and row width, the amount of spraying liquid for band spraying amounts to 10–50 % of the amount for full-area treatment. Calculation formula for band and row spraying, see Page 9 and Lechler app.



**JKI approval as
loss-reducing:
90 %**

G 1435, G 1436, G 1437, G 1438



Current list at:
[www.lechler.com/de-en/
service/loss-reducing](http://www.lechler.com/de-en/service/loss-reducing)

Application:



Backpack sprayer



Band spraying

Technical data:



Nozzle sizes
01–08



Spray angle
80°



Materials
Brass, POM



Pressure ranges
1–3–4 bar



Recommended strainers

- 80 M 01–015
- 60 M 02–04
- 25 M 05–08



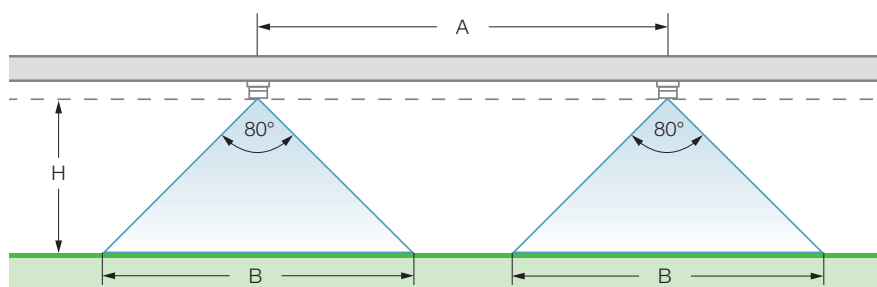
Droplet sizes
Very coarse – very fine




Width across flats
8 mm

Nozzle adjustment

Extremely small spray heights (H) possible with even flat fan nozzles E. Band drift can be largely avoided. The band width (B) can be adjusted by changing the spray height (H) and/or rotating the spray axis.



ISO 25358 	[l/min]	Application rate [l/ha]																
		Row spacing 0.5 m					Row spacing 0.75 m					Row spacing 1.0 m						
		5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h		
E 8001 (80 M)	F	1.0	0.23	55	46	35	28	23	37	31	23	18	15	28	23	17	14	12
	F	1.5	0.28	67	56	42	34	28	45	37	28	22	19	34	28	21	17	14
	F	2.0	0.32	77	64	48	38	32	51	43	32	26	21	38	32	24	19	16
	VF	3.0	0.39	94	78	59	47	39	62	52	39	31	26	47	39	29	23	20
	VF	4.0	0.45	108	90	68	54	45	72	60	45	36	30	54	45	34	27	23
E 80015 (80 M)	F	1.0	0.34	82	68	51	41	34	54	45	34	27	23	41	34	26	20	17
	F	1.5	0.42	101	84	63	50	42	67	56	42	34	28	50	42	32	25	21
	F	2.0	0.48	115	96	72	58	48	77	64	48	38	32	58	48	36	29	24
	VF	3.0	0.59	142	118	89	71	59	94	79	59	47	39	71	59	44	35	30
	VF	4.0	0.68	163	136	102	82	68	109	91	68	54	45	82	68	51	41	34
E 8002 (60 M)	M	1.0	0.46	110	92	69	55	46	74	61	46	37	31	55	46	35	28	50
	M	1.5	0.56	134	112	84	67	56	90	75	56	45	37	67	56	42	34	57
	M	2.0	0.65	156	130	98	78	65	104	87	65	52	43	78	65	49	39	71
	F	3.0	0.80	192	160	120	96	80	128	107	80	64	53	96	80	60	48	57
	F	4.0	0.92	221	184	138	110	92	147	123	92	74	61	110	92	69	55	81
E 8003 (60 M)	C	1.0	0.72	173	144	108	86	72	115	96	72	58	48	86	72	54	43	36
	M	1.5	0.88	211	176	132	106	88	141	117	88	70	59	106	88	66	53	44
	M	2.0	1.01	242	202	152	121	101	162	135	101	81	67	121	101	76	61	51
	F	3.0	1.24	298	248	186	149	124	198	165	124	99	83	149	124	93	74	62
	F	4.0	1.43	343	286	215	172	143	229	191	143	114	95	172	143	107	86	72
E 8004 (60 M)	VC	1.0	0.91	218	182	137	109	91	146	121	91	73	61	109	91	68	55	46
	C	1.5	1.12	269	224	168	134	112	179	149	112	90	75	134	112	84	67	56
	C	2.0	1.29	310	258	194	155	129	206	172	129	103	86	155	129	97	77	65
	M	3.0	1.58	379	316	237	190	158	253	211	158	126	105	190	158	119	95	79
	M	4.0	1.82	437	364	273	218	182	291	243	182	146	121	218	182	137	109	91
E 8005 (25 M)	VC	1.0	1.14	274	228	171	137	114	182	152	114	91	76	137	114	86	68	57
	VC	1.5	1.39	334	278	209	167	139	222	185	139	111	93	167	139	104	83	70
	C	2.0	1.61	386	322	242	193	161	258	215	161	129	107	193	161	121	97	81
	M	3.0	1.97	473	394	296	236	197	315	263	197	158	131	236	197	148	118	99
	M	4.0	2.28	547	456	342	274	228	365	304	228	182	152	274	228	171	137	114
E 8006 (25 M)	VC	1.0	1.36	326	272	204	163	136	218	181	136	109	91	163	136	102	82	68
	VC	1.5	1.67	401	334	251	200	167	267	223	167	134	111	200	167	125	100	84
	VC	2.0	1.93	463	386	290	232	193	309	257	193	154	129	232	193	145	116	97
	C	3.0	2.36	566	472	354	283	236	378	315	236	189	157	283	236	177	142	118
	M	4.0	2.73	655	546	410	328	273	437	364	273	218	182	328	273	205	164	137
E 8008 (25 M)	VC	1.0	1.82	437	364	273	218	182	291	243	182	146	121	218	182	137	109	91
	VC	1.5	2.23	535	446	335	268	223	357	297	223	178	149	268	223	167	134	112
	VC	2.0	2.58	619	516	387	310	258	413	344	258	206	172	310	258	194	155	129
	C	3.0	3.16	758	632	474	379	316	506	421	316	253	211	379	316	237	190	158
	M	4.0	3.65	876	730	548	438	365	584	487	365	292	243	438	365	274	219	183

ISO 25358 classification according to droplet sizes:

VF	Very fine
F	Fine
M	Medium
C	Coarse
VC	Very coarse
EC	Extremely coarse
UC	Ultra coarse

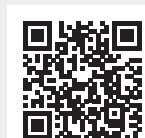
Subject to modifications.

- Operating pressure at the nozzle (measured with diaphragm valve)
- The stated liter-per-hectare rates apply to water
- Verify the table values by gauging the flow rates prior to every spraying season
- Pay attention to uniform nozzle adjustment



 **Nozzle calculator app**

The apps for Lechler agricultural nozzles make selection and use of the optimum nozzle even easier. Find out more here: www.lechler.com/de-en/service/apps



Ordering example:	Series	+ Nozzle size	+ Material	= Order no.
	E	+ 02	+ M (brass)	= E 8002 M
	E	+ 02	+ (POM)	= E 8002

