

Tiran™

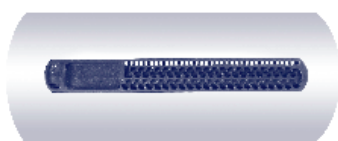
17009

For use in row crops

- Superior TurboNet™ flow regime
- Wide filtration area
- Wide cross-section improves clogging resistance



Tiran™ facets



Internal emitter protected from mechanical damage.
Injected molded drippers construction ensuring uniform drippers and very low CV



Large filtration area to ensure optimal performance even under harsh water conditions



Large, wide, and deep flow path cross-section, to minimize clogging and ensure exact flow rate in all conditions

Drippers technical data

Nominal flow rate (l/h.)*	Water passages dimensions Width-Depth-Length (mm x mm x mm)	Filtration area (mm ²)	Constant K	Exponent x
1.00	0.60 x 0.80 x 75	70	0.348	0.46
1.50	0.73 x 0.85 x 75	70	0.520	0.46
2.00	0.76 x 1.08 x 75	70	0.693	0.46
4.00	1.06 x 1.40 x 75	76	1.387	0.46
8.00	1.68 x 1.40 x 37	76	2.774	0.46

* At 1.0 bar

Drippers flow vs. pressure

Model Nominal flow rate*	Flow rate (l/h.) at pressure (bar)				
	1.00	1.50	2.00	2.50	3.00
1.00	1.00	1.21	1.38	1.53	1.66
1.50	1.50	1.81	2.06	2.29	2.49
2.00	2.00	2.41	2.75	3.05	3.31
4.00	4.00	4.82	5.50	6.10	6.63
8.00	8.00	9.64	11.00	12.19	13.26

* At 1.0 bar

Dripperlines technical data

Model	Inside diameter (mm.)	Wall Thickness (mm.)	Outside diameter (mm.)	Max. working pressure (bar)	KD
17009	14.40	0.90	16.20	3.00	0.35

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Performance Data

Tiran™ 17009 - I.D. 14.40 mm. - Inlet pressure 1.4 bar - Nominal flow rate 1.00 l/h.

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

	Slope %	Spacing between drippers (m.)						
		0.2	0.3	0.4	0.5	0.6	0.75	1.00
uphill	-2	70	89	103	114	122	131	142
	-1	77	102	123	140	155	174	200
	0	85	117	145	171	195	228	278
downhill	1	92	129	164	196	227	271	340
	2	97	139	178	215	250	302	383

Tiran™ 17009 - I.D. 14.40 mm. - Inlet pressure 1.4 bar - Nominal flow rate 1.50 l/h.

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

	Slope %	Spacing between drippers (m.)						
		0.2	0.3	0.4	0.5	0.6	0.75	1.00
uphill	-2	56	73	86	97	105	116	128
	-1	61	81	98	113	126	143	167
	0	65	90	112	132	151	176	215
downhill	1	69	98	123	148	170	203	253
	2	73	104	132	160	185	223	282

Tiran™ 17009 - I.D. 14.40 mm. - Inlet pressure 1.4 bar - Nominal flow rate 2.00 l/h.

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

	Slope %	Spacing between drippers (m.)						
		0.2	0.3	0.4	0.5	0.6	0.75	1.00
uphill	-2	48	63	75	85	93	103	116
	-1	51	69	84	97	108	123	145
	0	54	75	93	110	125	146	179
downhill	1	57	80	101	121	139	165	206
	2	59	84	107	129	150	180	227

Tiran™ 17009 - I.D. 14.40 mm. - Inlet pressure 1.4 bar - Nominal flow rate 4.00 l/h.

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

	Slope %	Spacing between drippers (m.)						
		0.2	0.3	0.4	0.5	0.6	0.75	1.00
uphill	-2	32	43	52	60	66	75	87
	-1	33	45	55	65	73	84	100
	0	34	47	59	70	80	93	114
downhill	1	36	50	62	75	86	101	126
	2	37	52	66	79	91	108	136

Tiran™ 17009 - I.D. 14.40 mm. - Inlet pressure 1.4 bar - Nominal flow rate 8.00 l/h.

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

	Slope %	Spacing between drippers (m.)						
		0.2	0.3	0.4	0.5	0.6	0.75	1.00
uphill	-2	21	28	34	40	45	92	61
	-1	21	29	36	43	48	134	67
	0	22	30	38	45	51	193	73
downhill	1	22	31	39	47	43	240	78
	2	23	32	40	48	56	273	82

For more information , please contact Netafim Technical Department or connect to our website at : www.netafim.com

Packaging Data

Tiran™ on carton coils	Wall thickness (mm.)	Distance between drippers (meter)	Coil length (meter)	Average coil weight* (kg.)	Coils in a 40 feet container (units)	Total in a 40 feet container (meters)
17009	0.90	0.20 to 1.00	500	19.4	330	165000

* According to drippers spacing

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