

Tiran™

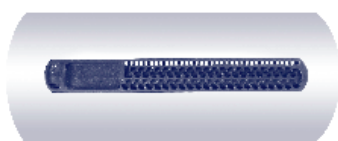
16010

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
16010	14.10	1.00	16.10	3.50	0.40

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Performance Data

Tiran™ 16010 - I.D. 14.10 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	67	86	100	111	119	129	140
	-1	74	98	118	135	150	169	194
	0	81	111	138	164	187	218	267
downhill	1	87	122	155	186	216	258	324
	2	91	131	168	204	238	287	364

Tiran™ 16010 - I.D. 14.10 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	54	70	83	94	102	113	125
	-1	58	78	94	109	122	139	162
	0	62	86	107	126	144	169	206
downhill	1	66	92	117	140	162	193	242
	2	69	98	125	151	176	212	268

Tiran™ 16010 - I.D. 14.10 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	46	60	72	82	90	101	113
	-1	49	66	80	93	104	119	140
	0	51	71	88	105	119	140	171
downhill	1	54	76	96	115	132	158	197
	2	56	80	102	123	142	171	216

Tiran™ 16010 - I.D. 14.10 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	30	41	50	57	64	73	84
	-1	31	43	53	62	70	80	96
	0	33	45	56	67	76	89	109
downhill	1	34	47	60	71	82	97	120
	2	35	49	62	75	86	103	129

Tiran™ 16010 - I.D. 14.10 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	20	27	33	39	43	50	59
	-1	20	28	34	41	46	53	64
	0	21	29	36	43	49	57	70
downhill	1	21	29	37	44	51	60	74
	2	22	30	38	46	53	63	78

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)
16010	1.00	0.20 to 1.00	500	20.2	330	165000

* According to drippers spacing

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