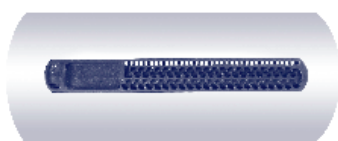


For use in row crops

- 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
22010	17.45	1.00	19.45	3.50	0.10

For use in row crops

Performance Data

Tiran™ 20010 - I.D. 17.45 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	97	116	128	137	143	149	156
	-1	115	145	168	188	203	223	247
	0	134	179	218	254	287	332	402
downhill	1	150	206	257	306	352	418	522
	2	162	226	286	343	397	475	468

Tiran™ 20010 - I.D. 17.45 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	81	99	112	122	129	138	147
	-1	92	118	138	156	170	189	214
	0	103	138	168	196	221	257	311
downhill	1	113	155	193	229	262	311	386
	2	121	168	212	253	292	349	438

Tiran™ 20010 - I.D. 17.45 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	70	87	100	110	118	127	138
	-1	78	101	119	135	148	166	190
	0	86	115	140	163	184	214	258
downhill	1	93	127	157	186	213	252	313
	2	98	136	171	204	235	281	352

Tiran™ 20010 - I.D. 17.45 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	48	62	72	82	89	98	111
	-1	52	68	81	93	103	116	136
	0	55	73	90	104	118	137	165
downhill	1	58	78	97	115	131	154	189
	2	60	83	103	123	141	167	208

Tiran™ 20010 - I.D. 17.45 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	32	42	50	57	63	71	82
	-1	34	44	54	62	69	79	94
	0	35	47	57	67	76	88	106
downhill	1	36	49	60	71	81	95	116
	2	37	51	63	75	85	101	125

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)
22010	1.00	0.20 to 1.00	300	16.2	352	105600

* According to drippers spacing

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