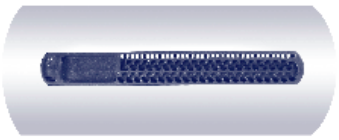
Tiran™

17012

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
1.05	0.60 x 0.80 x 75	70	0.364	0.46
1.60	0.73 x 0.85 x 75	70	0.555	0.46
2.10	0.76 x 1.08 x 75	70	0.728	0.46
4.20	1.06 x 1.40 x 75	76	1.456	0.46
8.40	1.68 x 1.40 x 37	76	2.913	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
1.05	1.05	1.27	1.44	1.60	1.74
1.60	1.60	1.93	2.20	2.44	2.65
2.10	2.10	2.53	2.89	3.20	3.48
4.20	4.20	5.06	5.78	6.40	6.96
8.40	8.40	10.12	11.56	12.81	13.93

* At 1.0 bar

Dripperlines technical data

Model	Inside diameter (mm.)	Wall Thickness (mm.)	Outside diameter (mm.)	Max. working pressure (bar)	KD
17012	14.60	1.20	17.00	4.00	0.35

NETAFIM™

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Performance Data

Tiran™ 17012 - I.D. 14.60 mm. - Inlet pressure 1.4 bar - Nominal flow rate 1.05 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	68	87	101	112	121	131	141
	-1	75	99	120	138	152	172	198
	0	82	113	141	167	191	224	274
downhill	1	88	125	158	191	221	265	334
	2	93	134	172	209	244	295	375

Tiran™ 17012 - I.D. 14.60 mm. - Inlet pressure 1.4 bar - Nominal flow rate 1.60 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	71	84	94	103	113	126
	-1	58	78	95	110	122	140	163
	0	62	86	107	127	145	170	209
downhill	1	66	93	118	141	163	195	245
	2	69	98	126	153	178	215	272

Tiran™ 17012 - I.D. 14.60 mm. - Inlet pressure 1.4 bar - Nominal flow rate 2.10 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	61	73	83	91	102	115
	-1	49	66	81	94	106	121	143
	0	52	72	90	107	122	143	175
downhill	1	54	77	97	117	135	161	202
	2	57	81	104	125	146	175	222

Tiran™ 17012 - I.D. 14.60 mm. - Inlet pressure 1.4 bar - Nominal flow rate 4.20 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	31	41	50	58	65	74	86
	-1	32	44	54	63	71	83	98
	0	33	46	57	68	77	92	112
downhill	1	34	48	60	72	83	99	123
	2	35	50	63	76	88	106	133

Tiran™ 17012 - I.D. 14.60 mm. - Inlet pressure 1.4 bar - Nominal flow rate 8.40 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	34	39	44	51	60
	-1	20	28	35	41	47	54	66
	0	21	29	36	43	49	58	71
downhill	1	21	30	37	45	51	61	76
	2	21	30	38	46	54	64	80

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)
17012	1.20	0.20 to 1.00	400	20.8	352	140800

* According to drippers spacing

06-0907-DRP-PS-0086-EN

Website: www.netafim.com
E-mail: postmaster@netafim.com