

TIRAN 17010

For use in row crops

- Superior Turbonet® flow regime
- Wide filtration area
- Wide cross section improves clogging resistance

DRIPPERS TECHNICAL DATA

Maximum working pressure (bar)	nominal flow rate* (l/h)	water passage dimensions width-depth-length (mm)	filtration area (mm ²)	coefficient K	exponent X
3.5	1.0	0.60x0.80x75.0	70.0	0.348	0.46
	1.5	0.73x0.85x75.0	70.0	0.520	0.46
	2.0	0.76x1.08x75.0	70.0	0.693	0.46
	4.0	1.06x1.40x75.0	76.0	1.387	0.46
	8.0	1.68x1.40x37.0	76.0	2.774	0.46

* At 1 bar pressure

DRIPPERS FLOW VS. PRESSURE

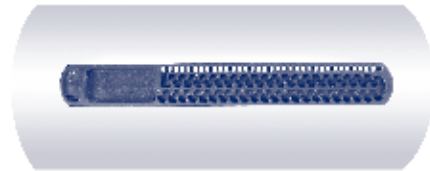
Flow rate (l/h) at pressure (bar)

Model	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

DRIPPERLINE TECHNICAL DATA

Model	inside Ø (mm)	wall thickness (mm)	outside Ø (mm)	max. working pressure (bar)	KD
17010	14.40	1.00	16.40	3.5	0.35

Tiran dripper



Internal emitter protected from mechanical damage

Tiran facets

Injected molded dripper 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



THICK WALL DRIPPERLINES

Tiran 17010 • I.D. Ø 14.40 mm • Inlet pressure 1.4 bar • Nominal flow rate 1.00 l/h

Max. lateral length (m) at 10% flow variation / spacing between drippers (m)

	Slope %	0.20	0.25	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00
uphill	-2	70	80	89	103	108	114	122	131	139	142
	-1	77	91	102	123	132	140	155	174	190	200
	0	85	102	117	145	158	171	195	228	259	278
	1	92	111	129	164	180	196	227	271	313	340
downhill	2	97	118	139	178	197	215	250	302	351	383

Tiran 17010 • I.D. Ø 14.40 mm • Inlet pressure 1.4 bar • Nominal flow rate 1.50 l/h

Max. lateral length (m) at 10% flow variation / spacing between drippers (m)

	Slope %	0.20	0.25	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00
uphill	-2	56	65	73	86	91	97	105	116	123	128
	-1	61	72	81	98	106	113	126	143	158	167
	0	65	78	90	112	122	132	151	176	200	215
	1	69	84	98	123	135	148	170	203	234	253
downhill	2	73	89	104	132	146	160	185	223	258	282

Tiran 17010 • I.D. Ø 14.40 mm • Inlet pressure 1.4 bar • Nominal flow rate 2.00 l/h

Max. lateral length (m) at 10% flow variation / spacing between drippers (m)

	Slope %	0.20	0.25	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00
uphill	-2	48	56	63	75	80	85	93	103	112	116
	-1	51	60	69	84	90	97	108	123	137	145
	0	54	65	75	93	101	110	125	146	167	179
	1	57	69	80	101	111	121	139	165	190	206
downhill	2	59	72	84	107	118	129	150	180	209	227

Tiran 17010 • I.D. Ø 14.40 mm • Inlet pressure 1.4 bar • Nominal flow rate 4.00 l/h



Max. lateral length (m) at 10% flow variation / spacing between drippers (m)

	Slope %	0.20	0.25	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00
uphill	-2	32	38	43	52	56	60	66	75	83	87
	-1	33	39	45	55	60	65	73	84	94	100
	0	34	41	47	59	65	70	80	93	106	114
	1	36	43	50	62	68	75	86	101	116	126
downhill	2	37	44	52	66	72	79	91	108	125	136

Tiran 17010 • I.D. Ø 14.40 mm • Inlet pressure 1.4 bar • Nominal flow rate 8.00 l/h

Max. lateral length (m) at 10% flow variation / spacing between drippers (m)

	Slope %	0.20	0.25	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00
uphill	-2	21	25	28	34	37	40	45	52	58	61
	-1	21	26	29	36	39	43	48	56	62	67
	0	22	26	30	38	41	45	51	59	68	73
	1	22	27	31	39	43	47	53	63	72	78
downhill	2	23	28	32	40	44	48	56	66	76	82

Tiran	Wall thickness	Distance between drippers		Average coil weight*		Total in a 40 foot container
	(mm)	(m)	(m)	(kg)	(units)	(m)
17010	1.0	0.20 to 1.0	500	24 to 22	330	165000

* According to drippers spacing