



DRIPNET PC™ AS 16350 - 17350 - 23350

INTEGRAL PRESSURE COMPENSATED DRIPPERLINES

APPLICATIONS

- Row crop irrigation.

SPECIFICATIONS

- Working pressure, 0.4 to 2.5/3.0 bar (according to flow rate model & dripperlines wall-thickness).
- TurboNet™ labyrinth with large water passages.
- 6 different flow rates.
- To be "welded" into a thick walled dripperlines (0.9 mm.)
- Injected dripper, very low CV.
- Injected silicon diaphragm.
- Anti-Siphon feature
- DripNet PC™ meet ISO 9261 standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- PC system, patented pressure differential system, maintains uniform flow rate at different inlet working pressures (between 0.4 to 2.5/3.0 bar), ensuring exact distribution of the water and nutrients.
- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance. Wide cross-section allows large particles to pass through.
- Wide filtration area to ensure optimal performance even under harsh water conditions.
- Anti-Siphon system prevent dirt and soil particles backflow into the dripperline and improve clogging resistance.
- Self-flushing system and wide filtration area provide improved resistance to clogging.

DRIPPERS TECHNICAL DATA

NOMINAL FLOW RATE (L/H.)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM X MM X MM)	FILTRATION AREA (MM 2)	CONSTANT K	EXPONENT* X
0.6	0.4 - 2.5	0.52 x 0.60 x 22	39	0.6	0
1.0	0.4 - 2.5	0.61 x 0.60 x 8	39	1.0	0
1.6	0.4 - 2.5	0.76 x 0.73 x 8	39	1.6	0
2.0	0.4 - 3.0	0.76 x 0.85 x 8	39	2.0	0
3.0	0.4 - 3.0	1.02 x 0.88 x 8	39	3.0	0
3.8	0.4 - 3.0	1.02 x 0.88 x 8	39	3.8	0

* Within working pressure range

DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM.)	WALL THICKNESS (MM.)	OUTSIDE DIAMETER (MM.)	MAX. WORKING PRESSURE (BAR)	KD
16350	14.20	0.90	16.00	2.5/3.0*	0.72
17350	15.20	0.90	17.00	2.5/3.0*	0.45
23350	20.80	0.90	22.60	2.5/3.0*	0.30

* Maximum working pressure is defined by the dripper , not by the dripperline wall thickness



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PERFORMANCE DATA

DripNet PC™ AS 16350 - I.D. 14.2 mm. - Kd 0.72 - Inlet pressure 2.4 bar

Maximum lateral length at defined inlet pressure

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.6	105	195	276	349	418	481	541	598	653	705
1.0	75	140	197	250	300	346	389	430	470	508
1.6	55	103	146	184	221	255	287	318	347	375
2.0	47	89	126	160	191	221	249	275	301	325
3.0	36	68	96	123	147	170	191	212	231	250
3.8	31	58	83	105	126	146	165	182	199	215

*Calculated in a plain area **Minimum considered pressure : 0.4 bar

DripNet PC™ AS 17350 - I.D. 15.2 mm. - Kd 0.45 - Inlet pressure 2.4 bar

Maximum lateral length at defined inlet pressure

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.6	130	237	331	415	492	564	632	696	757	816
1.0	93	170	237	298	354	406	454	501	545	588
1.6	68	125	175	220	261	299	336	370	403	435
2.0	59	108	151	190	226	259	291	321	349	377
3.0	45	83	116	146	174	200	224	247	269	290
3.8	39	71	100	126	150	172	193	212	231	250

*Calculated in a plain area **Minimum considered pressure : 0.4 bar

DripNet PC™ AS 23350 - I.D. 20.8 mm. - Kd 0.30 - Inlet pressure 2.4 bar

Maximum lateral length at defined inlet pressure

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.6	225	410	571	716	849	972	1088	1198	1303	1404
1.0	161	294	410	514	610	699	783	862	939	1011
1.6	118	216	302	379	450	516	578	638	694	748
2.0	102	187	261	328	390	447	501	552	601	648
3.0	78	143	200	252	300	344	386	426	463	499
3.8	67	123	172	216	257	295	331	366	398	429

*Calculated in a plain area **Minimum considered pressure : 0.4 bar

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

PACKAGING DATA

DRIPNET PC™AS ON BUNDLED COILS	WALL THICKNESS (MM.)	COIL LENGTH (METER)	DISTANCE BETWEEN DRIPPERS (METER)	AVERAGE COIL WEIGHT* (KG.)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (METERS)
16350	0.9	500	0.15 to 0.75	18.5	330	165000
17350	0.9	500	0.15 to 0.75	19.5	330	165000
23350 (on carton coils)	0.9	350	0.15 to 0.75	22.5	480	168000
	0.9	400	0.2 to 1.00	24.8	480	192000

* According to drippers spacing. This dripperlines can also be ordered on multi-seasonal plastic coils.