



PC LCNL DRIPPER

ON-LINE PRESSURE COMPENSATED DRIPPER



APPLICATIONS

- Greenhouses, nurseries, citrus, orchards, deciduous and tree irrigation.

SPECIFICATIONS

- Working pressure range: 1.0 to 4.0 bar
- TurboNet™ labyrinth with large water passages.
- 3 different flow rates.
- To be "inserted" into thick-walled pipes (0.9, 1.0 and 1.2 mm.).
- Injected dripper, very low CV.
- PC LCNL, On line dripper meet ISO 9261 standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- PC system, patented pressure differential system maintains uniform flow rate at different inlet working pressure (within the working pressure range) ensuring exact distribution of water and nutrients.
- Continuous self-flushing system, improved resistance to clogging.
- Dripper can be positioned exactly where required.
- Number of drippers can be increased so as to increase water quantity supply aimed at meeting tree growth rate requirement.
- Allows the installation of "spider assembly", splitting the drip supply into a number of drip outlets.
- PC-LCNL with Anti-drain system for efficient pulse irrigation, prevents water drainage and eliminates needs for refill.

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 (MM²)	CONSTANT K	EXPONENT* X	SHUT OFF PRESSURE (BAR)	BASE CODE COLOR	CAP COLOR CODE
2.0	1.0 – 4.0	1.17 x 1.07 x 61	2.3	2.0	0	0.15	Red	Brown
4.0	1.0 – 4.0	1.32 x 1.40 x 60	2.3	4.0	0	0.15	Black	Brown
8.5	1.0 – 4.0	1.60 x 1.60 x 17	2.3	8.5	0	0.15	Green	Brown

*Within working pressure range



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PERFORMANCE DATA

PC LCNL dripper - PE pipe 16/2.5 - I.D. 13.60 mm. - Inlet pressure 3.0 bar - Kd 0.39

Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	113	192	258	316	419	663	930
4.0	72	123	166	203	269	429	600
8.5	44	76	102	125	167	264	370

*Calculated in a plain area **Minimum considered pressure : 1.0 bar

PC LCNL dripper - PE pipe 20/2.5 - I.D. 17.40 mm. - Inlet pressure 3.0 bar - Kd 0.13

Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	190	312	411	499	653	1026	1425
4.0	121	200	264	320	420	660	920
8.5	75	123	163	198	260	408	570

*Calculated in a plain area **Minimum considered pressure : 1.0 bar

PC LCNL dripper - PE pipe 25/2.5 - I.D. 22.20 mm. - Inlet pressure 3.0 bar - Kd 0.10



Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	288	473	625	758	992	1560	2170
4.0	184	304	401	487	638	1002	1395
8.5	113	187	248	301	395	621	865

*Calculated in a plain area **Minimum considered pressure : 1.0 bar

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

PACKAGING DATA

DRIPPER PICTURE	DRIPPER MODEL	FLOW RATE (L/H.)	CATALOG NUMBER	QUANTITY/BOX (UNITS)	BOX DIMENSIONS (CM.X CM.X CM.)	BOX WEIGHT (KG.)
	PC-LCNL dripper	2.0	21000-001500	2500	57 x 28 x 27	18
		4.0	21000-001600			
		8.5	21000-001700			
	PC-LCNL dripper w/ nipple outlet	2.0	21020-001300	2500	57 x 28 x 27	19
		4.0	21020-001400			
		8.5	21020-001500			