

## PC HCNL DRIPPER

### ON-LINE PRESSURE COMPENSATED DRIPPER



### APPLICATIONS

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

### SPECIFICATIONS

- Working pressure range: 1.4 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 HCNL, 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-HCNL 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
3.0	1.4 – 4.0	1.17 x 1.07 x 61	2.3	3.0	0	0.3	Black	Black
6.0	1.4 – 4.0	1.32 x 1.40 x 60	2.3	6.0	0	0.3	Black	Black
12.0	1.4 – 4.0	1.60 x 1.60 x 17	2.3	12.0	0	0.3	Black	Black

\*Within working pressure range



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## PERFORMANCE DATA

PC HCNL 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
3.0	78	134	180	220	291	462	645
6.0	50	86	116	141	188	297	420
12.0	32	55	74	91	120	192	270

\*Calculated in a plain area \*\*Minimum considered pressure : 1.5 bar

PC HCNL 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
3.0	132	217	286	347	455	714	995
6.0	85	139	184	223	293	459	640
12.0	54	89	118	144	188	297	415

\*Calculated in a plain area \*\*Minimum considered pressure : 1.5 bar

PC HCNL 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
3.0	200	329	435	528	690	1086	1510
6.0	128	211	279	339	444	699	970
12.0	82	136	179	218	285	450	625

\*Calculated in a plain area \*\*Minimum considered pressure : 1.5 bar

For more information , please contact Netafim Technical Department or connect to our website at : [www.netafim.com](http://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 w/ nipple outlet	3.0	21060-001000	2500	57 x 28 x 27	19
		6.0	21060-001200			
		12.0	21060-001300			