

PC-CNL DRIPPERS

Pressure Compensated with CNL (anti-drain)

For irrigating greenhouses, nursery, orchards, deciduous plants and trees

- Unaffected by varying inlet pressure and field slopes
- Uniform, precise and consistent irrigation
- CNL prevents water drainage and eliminates need for refill, ensuring instant pressure compensated flow at every irrigation



PC-CNL dripper

PC-CNL dripper w/ nipple outlet

PC-LOW CNL DRIPPER TECHNICAL DATA

Working pressure range (bar)	flow rate (l/h)	water passage dimensions width-depth-length (mm)	shut-off pressure (bar)	base color	cap color
1.0-4.0	2.0	1.17 x 1.07 x 61	0.15	red	brown
	4.0	1.32 x 1.40 x 60	0.15	black	brown
	8.5	1.60 x 1.60 x 17	0.15	green	brown

PC-HIGH CNL DRIPPER TECHNICAL DATA

Working pressure range (bar)	flow rate (l/h)	water passage dimensions width-depth-length (mm)	shut-off pressure (bar)	base color	cap color
1.4-4.0	3.0	1.17 x 1.07 x 61	0.30	black	black
	6.0	1.32 x 1.40 x 60	0.30	black	black
	12.0	1.60 x 1.60 x 17	0.30	black	black

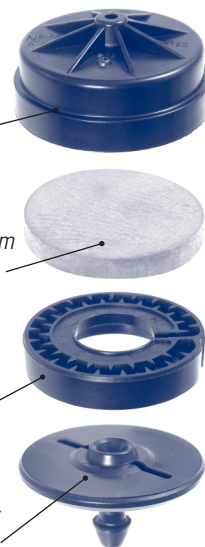
PC dripper parts

Resistant plastic material with UV protection for all weather conditions.

Injected silicon diaphragm ensuring long life

Large, wide and deep flow path cross-section to minimize clogging, ensuring exact flow rate in all conditions.

Injection molded dripper construction, ensuring uniform drippers and very low CV.



ON-LINE DRIPPERS

Low CNL drippers maximal lateral length (m)

*** Tube PE 16/2.5 • I.D. (inside diameter) 13.6 mm • Inlet pressure: 2.0 bar • Kd=0.39**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	88	150	201	246	326	516	720
4.0	56	96	129	158	209	330	460
8.5	34	59	80	97	129	204	285

*** Tube PE 20/2.5 • I.D. (inside diameter) 17.4 mm • Inlet pressure: 2.0 bar • Kd = 0.13**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	149	243	320	388	507	795	1105
4.0	95	156	206	249	326	510	710
8.5	58	96	127	154	201	315	440

*** Tube PE 25/2.5 • I.D. (inside diameter) 22.2 mm • Inlet pressure: 2.0 bar • Kd = 0.10**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
2.0	251	390	505	606	785	1221	1690
4.0	161	251	324	390	504	786	1085
8.5	100	155	200	241	312	486	670

* Minimum pressure considered: 1.0 bar.

High CNL drippers maximal lateral length (m)

****Tube PE 16/2.5 • I.D. (inside diameter) 13.6 mm • Inlet pressure: 2.0 bar • Kd=0.39**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
3.0	53	91	121	148	195	309	430
6.0	34	58	77	95	125	198	280
12.0	22	37	50	61	81	129	180

****Tube PE 20/2.5 • I.D. (inside diameter) 17.4 mm • Inlet pressure: 2.0 bar • Kd = 0.13**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
3.0	89	146	192	233	305	477	665
6.0	57	94	123	150	195	306	425
12.0	37	60	80	96	126	198	275

****Tube PE 25/2.5 • I.D. (inside diameter) 22.2 mm • Inlet pressure: 2.0 bar • Kd = 0.10**

Flow rate (l/h)	spacing between drippers (m)						
	0.25	0.5	0.75	1.0	1.5	3.0	5.0
3.0	151	234	303	364	471	735	1015
6.0	97	151	195	234	303	471	655
12.0	62	97	125	150	195	303	420

** Minimum pressure considered: 1.5 bar.

All the lengths are calculated in a plain area.

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

	Dripper model	nom. flow (l/h)	catalog number	quantity (units)	dimensions (cm x cm x cm)	weight (kg)
	PC-LCNL barb dripper	2.0	21000-001500	2500	57 x 28 x 27	18
		4.0	21000-001600	2500	57 x 28 x 27	18
		8.5	21000-001700	2500	57 x 28 x 27	18
	PC-LCNL barb dripper w/ nipple outlet	2.0	21020-001300	2500	57 x 28 x 27	20
		4.0	21020-001400	2500	57 x 28 x 27	20
		8.5	21020-001500	2500	57 x 28 x 27	20
	PC-HCNL barb dripper w/ nipple outlet	3.0	21060-001000	2500	57 x 28 x 27	20
		6.0	21060-001200	2500	57 x 28 x 27	20
		12.0	21060-001300	2500	57 x 28 x 27	20



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