

PCJ - HCNL

Compact Pressure Compensated Drippers with High CNL (high anti-drain)

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

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

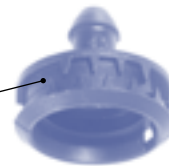
Barb outlet
for micro
tube
3*5 mm

Barb outlet
for micro
tube
4*6.5 mm



PCJ-HCNL dripper parts

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



Injected silicon diaphragm ensuring long life



Resistant plastic material with UV protection for all weather conditions.



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



PCJ-HCNL is distinguished by the rings around the bottom of the dripper



PCJ-HCNL DRIPPERS TECHNICAL DATA

Flow rate (l/h)	working pressure range (bar)	water passage dimensions width-depth-length (mm)	shut-off pressure (bar)	base color	cap color
1.2	1.5-4.0	0.67 x 0.77 x 35	0.18	light brown	black
2.0	1.5-4.0	1.03 x 0.75 x 35	0.18	pink	black
3.0	1.5-4.0	1.03 x 1.08 x 35	0.18	light blue	black
4.0	1.5-4.0	1.32 x 0.95 x 35	0.18	light gray	black

- When inserting drippers in tubes with 1.0 mm wall thickness, maximum recommended working pressure is 3.5 bar.
- When inserting drippers in tubes with 1.2 mm wall thickness, maximum recommended working pressure is 4.0 bar.

ON-LINE DRIPPERS

PCJ-HCNL drippers • Tube 16/2.5* • I.D. Ø 13.60 mm • Inlet pressure 3.0 bar • Kd=0.39

Max. lateral length (m) spacing between drippers (m)

Flow rate (l/h)	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	142	242	323	396	522	831	1160
2.0	102	174	233	286	377	600	840
3.0	78	134	180	220	291	462	650
4.0	65	111	149	183	243	387	540

PCJ-HCNL drippers • Tube 20/2.5* • I.D. Ø 17.40 mm • Inlet pressure 3.0 bar • Kd=0.13

Max. lateral length (m) spacing between drippers (m)

Flow rate (l/h)	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	238	390	515	623	815	1281	1780
2.0	171	281	371	450	588	924	1285
3.0	132	217	287	347	455	714	995
4.0	110	180	239	289	378	594	830




PCJ-HCNL drippers • Tube 25/2.5* • I.D. Ø 22.20 mm • Inlet pressure 3.0 bar • Kd=0.10

Max. lateral length (m) spacing between drippers (m)

Flow rate (l/h)	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	362	593	782	948	1239	1947	2705
2.0	260	427	564	684	894	1407	1955
3.0	200	329	435	528	690	1086	1510
4.0	166	274	362	439	575	903	1260

* Minimum pressure considered = 1.5 bar, calculated in a plain area

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

Dripper model		Nominal flow (l/h)	Catalog number	Quantity (units)	Dimensions (cm x cm x cm)	Weight (kg)
	PCJ-HCNL barb with 3 mm barb outlet	1.2	21520-004100	13000	57 x 28 x 27	14.3
		2.0	21520-004400	13000	57 x 28 x 27	14.3
		3.0	21520-004700	13000	57 x 28 x 27	14.3
		4.0	21520-005000	13000	57 x 28 x 27	14.3
	PCJ-HCNL barb with 4 mm barb outlet	1.2	21520-004220	13000	57 x 28 x 27	14.3
		2.0	21520-004500	13000	57 x 28 x 27	14.3
		3.0	21520-004800	13000	57 x 28 x 27	14.3
		4.0	21520-005100	13000	57 x 28 x 27	14.3
	PCJ-HCNL barb with nipple outlet	1.2	21520-004000	13000	57 x 28 x 27	14.3
		2.0	21520-004300	13000	57 x 28 x 27	14.3
		3.0	21520-004600	13000	57 x 28 x 27	14.3
		4.0	21520-004900	13000	57 x 28 x 27	14.3

PERFORMANCE DATA

PACKAGING DATA

ON-LINE DRIPPERS

