

PCJ Drippers

On-line compact pressure compensated dripper

Applications:

Greenhouses, nurseries, citrus, orchards, deciduous and trees irrigation.

Specifications:

- Working pressure : 0.5 to 4.0 bar
- TurboNet™ labyrinth with large water passages.
- 6 different flow rates
- 3 different outlets: nipple, barb to 3 mm ID and barb to 4 mm ID
- To be "inserted» into thick- walled pipes (1.0 and 1.2 mm.)
- Injected dripper, very low CV
- Injected silicon diaphragm
- Resistant plastic material with UV protection

Features and Benefits:

- PC system, patented pressure differential system maintains uniform flow rate at different inlet working pressure (within the recommended working pressure range), ensuring exact distribution of the water and fertilizers.
- Self-flushing system, improves resistance to clogging.
- Large , wide and deep flow path cross-section to minimize 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 to a number of drip outlets



Flow rate (l/h.)	Working pressure range (bar)	Water passages dimensions			Filtration area (mm ²)	Constant K	Exponent x	Base code color	Cap color code
		Width (mm.)	Depth (mm.)	Length (mm.)					
1.2	0.5 - 4.0	0.67	0.77	35.0	2.0	1.2	0	brown	black
2.0	0.5 - 4.0	1.03	0.75	35.0	2.3	2.0	0	red	black
3.0	0.5 - 4.0	1.03	1.08	35.0	2.3	3.0	0	blue	black
4.0	0.5 - 4.0	1.32	0.95	35.0	2.3	4.0	0	gray	black
8.0	0.5 - 4.0	1.60	1.05	35.0	2.3	8.0	0	green	black
12.0	0.5 - 4.0	1.60	1.05	17.5	2.3	12.0	0	fuchsia	black

* within the working pressure range

When inserting drippers in 1.0 mm. walled PE tubes , maximum recommended working pressure is 3.5 bar
 When inserting drippers in 1.2 mm. walled PE tubes , maximum recommended working pressure is 4.0 bar

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Performance Data

PCJ dripper - PE pipe 16/2.5 - I.D. 13.60 mm. - Inlet pressure 2.0 bar - Kd 0.39

Maximum lateral length (meter)

Flow rate (l/h.)	Spacing between drippers (m.)						
	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	131	223	298	365	482	762	1065
2.0	94	160	215	263	347	549	770
3.0	72	123	165	202	267	426	595
4.0	60	102	137	168	222	354	495
8.0	38	66	88	108	143	228	315
12.0	30	51	68	84	111	177	250

PCJ dripper - PE pipe 20/2.5 - I.D. 17.40 mm. - Inlet pressure 2.0 bar - Kd 0.13

Maximum lateral length (meter)

Flow rate (l/h.)	Spacing between drippers (m.)						
	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	220	360	474	574	750	1179	1635
2.0	158	259	341	414	542	849	1180
3.0	122	200	263	320	419	657	910
4.0	101	166	219	266	348	546	760
8.0	65	107	140	171	224	351	490
12.0	50	83	109	133	174	273	380




PCJ dripper - PE pipe 25/2.5 - I.D. 22.20 mm. - Inlet pressure 2.0 bar - Kd 0.10

Maximum lateral length (meter)

Flow rate (l/h.)	Spacing between drippers (m.)						
	0.25	0.50	0.75	1.00	1.50	3.00	5.00
1.2	334	547	721	874	1142	1794	2490
2.0	268	417	539	648	839	1305	1805
3.0	207	322	416	500	648	1008	1395
4.0	172	268	347	416	539	840	1160
8.0	111	172	223	268	347	540	745
12.0	76	125	166	201	264	414	580

*Minimum pressure considered : 0.5 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

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.)
	PCJ dripper with 3 mm barb outlet	1.2	21500-000800	13000	57 x 28 x 27	14.3
		2.0	21500-001000			
		3.0	21500-001150			
		4.0	21500-001200			
		8.0	21500-001400			
		12.0	21500-001470			
	PCJ dripper with 4 mm barb outlet	1.2	21500-001600	13000	57 x 28 x 27	14.3
		2.0	21500-001700			
		3.0	21500-001900			
		4.0	21500-002100			
		8.0	21500-002300			
		12.0	21500-002400			
	PCJ dripper with nipple outlet	1.2	21500-001050	13000	57 x 28 x 27	14.3
		2.0	21500-001100			
		3.0	21500-001160			
		4.0	21500-001300			
		8.0	21500-001500			
		12.0	21500-001560			

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