



PCJ, ON-LINE DRIPPER

ON-LINE COMPACT PRESSURE COMPENSATED DRIPPER

APPLICATIONS

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

SPECIFICATIONS

- Working pressure range: 0.5 to 4.0 bar
- TurboNet™ labyrinth with large water passages.
- 7 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 (0.9, 1.0 and 1.2 mm.).
- Injected dripper, very low CV.
- Injected silicon diaphragm.
- PCJ, 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 (in the recommended working pressure range), ensuring exact distribution of the water and nutrients.
- Continuous self-flushing system, improves 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 to a number of drip outlets.

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 (MM ²)	CONSTANT K	EXPONENT* X	BASE CODE COLOR	CAP COLOR CODE
0.5	0.5 – 4.0	0.54 x 0.60 x 40	1.8	0.5	0	Mustard	Black
1.2	0.5 – 4.0	0.67 x 0.77 x 35	2.0	1.2	0	Brown	Black
2.0	0.5 – 4.0	1.03 x 0.75 x 35	2.0	2.0	0	Red	Black
3.0	0.5 – 4.0	1.03 x 1.08 x 35	2.0	3.0	0	Blue	Black
4.0	0.5 – 4.0	1.32 x 0.95 x 35	2.0	4.0	0	Gray	Black
8.0	0.5 – 4.0	1.60 x 1.05 x 35	2.0	8.0	0	Green	Black
12.0	0.5 – 4.0	1.60 x 1.05 x 175	2.0	12.0	0	Fuchsia	Black

*Within working pressure range



PCJ, ON-LINE DRIPPER

PERFORMANCE DATA

PCJ 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
0.5	299	508	681	833	1098	1743	2430
1.2	170	289	388	475	627	996	1390
2.0	122	208	280	342	453	720	1005
3.0	94	160	215	264	350	555	780
4.0	78	133	179	220	291	462	650
8.0	50	85	115	141	188	297	420
12.0	38	66	89	109	144	231	325

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PCJ 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
0.5	512	830	1090	1318	1719	2694	3740
1.2	292	474	623	754	984	1542	2140
2.0	210	342	449	544	710	1113	1550
3.0	162	264	347	420	548	861	1195
4.0	134	219	289	349	456	717	995
8.0	86	141	185	225	294	462	640
12.0	65	107	142	172	227	357	495

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PCJ 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
0.5	762	1247	1644	1993	2606	4089	5685
1.2	433	711	939	1139	1490	2340	3255
2.0	312	513	677	821	1076	1689	2350
3.0	240	395	522	634	830	1305	1815
4.0	199	329	434	527	690	1086	1510
8.0	127	211	279	339	444	699	975
12.0	98	163	215	262	344	540	750

*Calculated in a plain area **Minimum considered pressure : 0.5 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.)
	PCJ dripper with 3 mm barb outlet	0.5	21500-000700	13000	57 x 28 x 27	14.3
		1.2	21500-000800			
		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	0.5	21500-001580	13000	57 x 28 x 27	14.3
		1.2	21500-001600			
		2.0	21500-001700			
		3.0	21500-001900			
		4.0	21500-002100			
		12.0	21500-002400			
	PCJ dripper with nipple outlet	0.5	21500-001042	13000	57 x 28 x 27	14.3
		1.2	21500-001050			
		2.0	21500-001100			
		3.0	21500-001160			
		4.0	21500-001300			
		8.0	21500-001500			
		12.0	21500-001560			



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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.

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 (MM ²)	CONSTANT K	EXPONENT* X	BASE CODE COLOR	CAP COLOR CODE
2.0	0.5 – 4.0	1.17 x 1.07 x 61	2.3	2.0	0	Red	Black
4.0	0.5 – 4.0	1.32 x 1.40 x 60	2.3	4.0	0	Black	Black
8.5	0.5 – 4.0	1.60 x 1.60 x 17	2.3	8.5	0	Green	Black

*Within working pressure range

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PERFORMANCE DATA

PC 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	122	208	280	342	453	720	1005
4.0	78	133	179	220	291	462	650
8.5	48	82	110	136	180	288	400

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PC 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	205	337	446	540	707	1110	1545
4.0	131	216	286	347	455	714	995
8.5	81	134	176	215	281	444	615

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PC 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	312	513	677	821	1076	1689	2350
4.0	199	329	434	527	690	1086	1510
8.5	123	203	269	326	428	672	935

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

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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 dripper	2.0	21000-001000	2500	57 x 28 x 27	18
		4.0	21000-001100			
		8.5	21000-001200			
	PC dripper w/ nipple outlet	2.0	21020-001000	2500	57 x 28 x 27	19
		4.0	21020-001100			
		8.5	21020-001200			

06-1108-SPR-PS-0089-EN