

PC Dripper

On-line pressure compensated dripper

Applications:

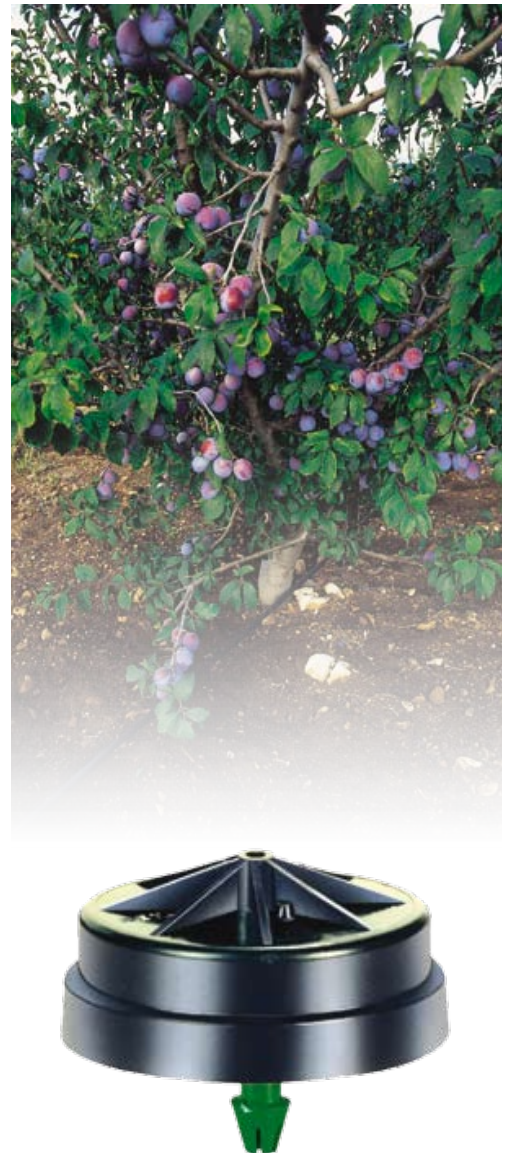
Greenhouses, nurseries, citrus, orchards, deciduous and tree irrigation.

Specifications:

- Working pressure 0.5 to 4.0 bar
- TurboNet™ labyrinth with large water passages.
- 4 different flow rates
- 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 range of 0.5 to 4.0 bar), ensuring exact distribution of water and fertilizers.
- Self-flushing system, improved 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 into a number of drip outlets.



Flow rate (l/h.)	Working pressure range (bar)	Water passages dimensions			Filtration area (mm²)	Constant K	Exponent X *	Base code color	Cap color code
		Width (mm.)	Depth (mm.)	Length (mm.)					
2.0	0.5 - 4.0	1.17	1.07	61	2.3	2.0	0	red	black
4.0	0.5 - 4.0	1.32	1.40	60	2.3	4.0	0	black	black
8.5	0.5 - 4.0	1.60	1.60	17	2.3	8.5	0	green	black
25.0	0.5 - 4.0	1.60	1.60	17**	2.3	25.0	0	orange	black

* within the working pressure range

** 3 parallel passages

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

PC 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
2.0	102	173	233	285	375	597	835
4.0	65	111	149	182	242	384	535
8.5	40	68	92	112	149	237	330
25.0	20	34	46	56	75	120	165

PC 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
2.0	171	281	370	449	587	921	1280
4.0	109	180	238	288	377	591	825
8.5	67	111	146	178	233	366	510
25.0	34	56	74	89	117	183	255




PC 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
2.0	290	452	584	702	909	1416	1960
4.0	187	290	376	451	585	909	1260
8.5	115	180	233	279	362	561	780
25.0	58	90	117	140	182	282	390

*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.)
	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			
		25.0	21020-001400*			
	PC dripper w/cap	25.0	21020-001300**	2500	57 x 28 x 27	20

*This model with the nipple outlet must be used with a manifold or other accessory on the outlet
**Includes a special cap on the outlet nipple

06-1107-DRP-PS-0089-EN

Website: www.netafim.com
E-mail: postmaster@netafim.com

