DripNet PC™ AS XR HWD

Integral compact pressure-compensated, anti-siphon mechanism and root intrusion protection dripper, for semi-permanent drip applications, for growers who seek quick ROI. Ideal for permanent crops in sub surface applications that require high-level root intrusion protection.

→ 12009 - 12010 - 16009 - 16010 - 16012 - 20010
20012 - 23009

Root intrusion protection

Pressure-compensated

Anti-Siphon mechanism

Benefits & Features

→ Extra root intrusion protection (XR)	Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long-lasting protection due to non-migrating active ingredients embedded in the dripper cover.
→ Pressure-compensated	Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.
→ Anti-Siphon mechanism	Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
→ Continuously self-flushing	Flushes debris throughout operation, while ensuring constant dripper operation even in challenging water quality.
→ Wide filtration area	Ensures optimal performance even under harsh water conditions, preventing the entrance of sediment into the labyrinths.
→ TurboNet™	Labyrinth ensures wide water passages, to increase flushing efficiency. The water is drawn into the dripper from the stream center, preventing the entrance of sediment into the drippers.

Specifications

- Pressure-compensated range according to table below.
- Recommended filtration: depending on dripper flow rate. Filtration method selected based on the kind and concentration of dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment shall be applied following Netafim expert instructions.
- TurboNet™ labyrinth with large water passage.
- Weldable into thick wall driplines (0.90, 1.00, 1.20 mm)
- Injected dripper, very low CV with injected silicon diaphragm.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

NETAFIM™
GROW MORE WITH LESS

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM^2)	CONSTANT K	EXPONENT* X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.6	0.25 - 2.5	0.52 x 0.60 x 22	42	0.6	0	130/120
1.0	0.40 - 3.0	0.61 x 0.60 x 8	42	1.0	0	130/120
1.6	0.40 - 3.0	0.76 x 0.73 x 8	42	1.6	0	200/80
2.0	0.40 - 3.5	0.84 x 0.80 x 8	42	2.0	0	200/80
3.0	0.40 - 3.5	1.02 x 0.88 x 8	42	3.0	0	200/80
3.8	0.60 - 3.5	1.02 x 0.88 x 8	42	3.8	0	200/80

* Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12009	10.60	0.90	12.40	2.5/3.0/3.5*	3.9	2.85
12010	10.60	1.00	12.60	2.5/3.0/3.5*	4.6	2.85
16009	14.20	0.90	16.00	2.5/3.0/3.5*	3.9	0.72
16010	14.20	1.00	16.20	2.5/3.0/3.5*	4.6	0.72
16012	14.20	1.20	16.60	2.5/3.0/3.5*	5.2	0.72
20010	17.50	1.00	19.50	2.5/3.0/3.5*	4.6	0.25
20012	17.50	1.20	19.90	2.5/3.0/3.5*	5.2	0.25
23009	20.80	0.90	22.60	2.5/3.0*	3.5	0.20

*The maximum working pressure is defined by the dripper or by the dripline wall thickness

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)**

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
12009	0.90	0.15 to 1.00	500	16.5	384	192000
12010	1.00	0.15 to 1.00	500	18.3	384	192000
16009	0.90	0.15 to 1.00	500	18.5	330	165000
16010	1.00	0.15 to 1.00	500	20.4	330	165000
16012	1.20	0.15 to 1.00	400	21.0	352	140800
20010	1.00	0.15 to 1.00	300	16.3	330	99000
20012	1.20	0.15 to 1.00	300	20.0	330	99000
23009**	0.90	0.15 to 0.25	350	22.5	480	168000
		0.30 to 1.00	400	25.0		192000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer"
**Dripline model 23009 on carton coil

06-1120-DRP-PS-0045-EN

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Want to know more?
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