DripNet PC™ HWD

Integral compact pressure-compensated dripper, for permanent drip applications, for growers who seek quick ROI. Ideal for permanent crops in complex topography.

→ 12009 - 12010 - 16009 - 16010 - 16011 - 16012
20010 - 20012





Pressure-compensated

Drainage mechanism

Self-flushing mechanism

Benefits & Features

→ **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.

→ **Drainage mechanism**
The dripper integrates a drainage mechanism that drains water from the pipe at the end of the irrigation cycle, to allow easier recoiling of the dripline at the end of the crop cycle. Also helps in countries where temperatures may drop below zero.

→ **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.

→ **Wide water passages**
TurboNet™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance. The water is drawn into the dripper from the stream center, preventing the entrance of sediments 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 should be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment it should be applied following Netafim™ expert instructions.
- TurboNet™ labyrinth with large water passage.
- Weldable into thick wall driplines (0.90, 1.00, 1.10, 1.20 mm).
- Injected dripper, very low CV with injected silicon diaphragm.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Compliance ISO 9261 international standards.

→ Drippers technical data

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
0.40	0.25 - 2.5	0.46 x 0.52 x 26	29	0.40	0	130/120
0.60	0.25 - 2.5	0.52 x 0.60 x 22	39	0.60	0	130/120
1.00	0.40 - 3.0	0.61 x 0.60 x 8	39	1.00	0	130/120
1.60	0.40 - 3.0	0.76 x 0.73 x 8	39	1.60	0	200/80
2.00	0.40 - 3.5	0.76 X 0.88 x 8	39	2.00	0	200/80
3.00	0.40 - 3.5	1.02 x 0.88 x 8	39	3.00	0	200/80
3.50	0.60 - 3.5	1.02 x 0.88 x 8	39	3.50	0	200/80
3.80	0.60 - 3.5	1.02 x 0.88 x 8	39	3.80	0	200/80

* Within working pressure range

→ Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. 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
16011	14.20	1.10	16.40	2.5/3.0/3.5*	4.9	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

*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	16.8	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
16011	1.10	0.15 to 1.00	500	22.0	330	165000
16012	1.20	0.15 to 1.00	400	22.4	352	140800
20010	1.00	0.15 to 1.00	300	16.8	330	99000
20012	1.20	0.15 to 1.00	300	20.3	330	99000

* Calculated weight average. For further details see “Average Coil Weight Disclaimer”

→ Catalog numbers

DripNet PC™ 12009

Catalog number 17171 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40														
0.60														
1.00		000100												
1.60				000200										
2.00														
3.00														
3.50														
3.80														
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

DripNet PC™ 12010

Catalog number 17173 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40														
0.60														
1.00		000100												
1.60				000200										
2.00														
3.00														
3.50														
3.80														
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

DripNet PC™ 16009

Catalog number 17650 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40		000100												
0.60		002325		002340		002890	003210	003300				003500		
1.00	000014	004160	004250	004560	004580	004760	004920	005155			005450	005650	005800	006010
1.60		006250	006470	006660		006860	007060	007230	007239	007250	007550	007760	007950	008130
2.00		008350	008360	008401	008405	008470	008510	008610	008650	008700	008800	008910	000015	009100
3.00				010050		010260	010460	010650	010750	011050	011400	011550	011750	012000
3.50														
3.80				013100		013300	013500	013600	013650	013700	013800	013900	013970	014100
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

DripNet PC™ 16010

Catalog number 17665 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40								000014			000020			000019
0.60	000250	000370	000390	000547	000600	000620	000700	000750		000790	000800	000900		000950
1.00	001060	001160	001450	001625	000005	001820	001875	002060	002125	002160	002200	002600	002800	003050
1.60	005820	006025	006075	006270	006280	006470	006620	006860	006890	007000	007210	007460	007550	007830
2.00		008430	008460	008530	005833	008550	008600	009592	009587	008570	009594	009595	009596	009597
3.00		009620	009635	009685	009690	009790	009940	010120	010160	010250	010530	010720	010800	011120
3.50														
3.80		012300	012350	012400	000016	012560	012600	012700	012735	012750	012800	012830	012860	013000
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

DripNet PC™ 16011

Catalog number 17667 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40														
0.60														
1.00						000005	000006							
1.60							003510				003550			
2.00			000014	000002			004600				004700			005000
3.00														
3.50														
3.80				000013			007250				007400			
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

DripNet PC™ 16012

Catalog number 17668 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40								000005						
0.60						001400								
1.00		002400	002500	002600		000007	002630							000010
1.60		003720			003755	003760	004000	004100						
2.00		005700		005710		005900	006000	006100			006300			006600
3.00								008100						008500
3.50														
3.80		000001		008900		000002	009000	009100			009300			009600
Bundled coil length (m)	400	400	400	400	400	400	400	400	400	400	400	400	400	400

Missing catalog numbers available upon request.

DripNet PC™ 20010

Catalog number 17690 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40				000100										
0.60		001000		001100	001150		001380							001800
1.00		001930	001950	002120	002210	002320	002500	002650			002830	002900	003030	003130
1.60		003650		003920	003925	004050	004320	004520			004700	004920	004950	005000
2.00		005200	005220	005230	005280	005330	005400	005490	005494	005495	005497	005620	005650	005700
3.00		005780	005800	005900	005950	006100	006250	006620	006680		006800	007050	008050	009050
3.50														
3.80		011850	011900	011970	012100	012200	012300	012400	012410	012760	012850	012970	013100	013450
Bundled coil length (m)	300	300	300	300	300	300	300	300	300	300	300	300	300	300

Missing catalog numbers available upon request.

DripNet PC™ 20012

Catalog number 17725 - (any of below 6 digits)

Flow rate (l/h)	Distance between drippers (m)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
0.40														
0.60		001000	001120											
1.00		001990	002050	002150		002220	002240							
1.60		003690		003700		003900	004000	004060			000004			000001
2.00			000007	005300		005400	005500	005550			000006	005570		005600
3.00		000008					007490							007900
3.50														
3.80			000010	000009		000003	009000	009100			009300	009400		009600
Bundled coil length (m)	300	300	300	300	300	300	300	300	300	300	300	300	300	300

Missing catalog numbers available upon request.