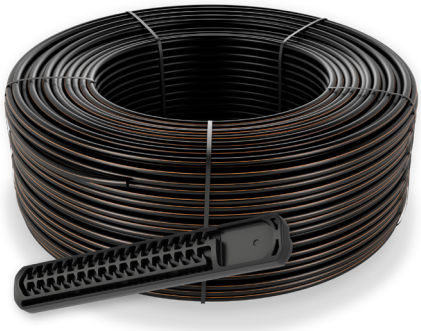
Aries™ HWD

Integral non-pressure-compensated high clogging resistance dripper, for multi-seasonal permanent crops on surface or sub surface.

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



High clogging resistance

Wide filtration area

Wide water passages

Benefits & Features

→ **High clogging resistance** — Even with challenging water quality, with self-cleaning labyrinth that flushes debris throughout operation.

→ **Wide filtration area** — Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the drippers.

→ **Wide water passages** — TurbuNext™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance.

Specifications

- Maximum operating pressure according to driplines wall thickness and diameter. See tables 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.
- TurbuNext™ labyrinth with superior performance.
- Weldable into thick wall driplines (0.90, 1.00, 1.20 mm).
- Injected dripper, very low CV.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Compliance ISO 9261 international standards.

→ Drippers technical data

12009, 12010, 16009, 16010, 20010 - 0.9, 1.0 mm wall thickness driplines

Flow rate* (l/h)	Max. working pressure (bar))**	Water passages dimensions width-depth-length (mm)	Filtration area (mm²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
0.55	3.0 / 3.5 / 4.0	0.47 x 0.53 x 65	36	0.191	0.46	130/120
0.80		0.54 x 0.69 x 65	43	0.277	0.46	130/120
1.00		0.60 x 0.74 x 65	49	0.347	0.46	200/80
1.50		0.71 x 0.85 x 65	53	0.520	0.46	200/80
2.00		0.76 x 1.03 x 65	54	0.693	0.46	200/80
3.00		0.90 x 1.20 x 65	54	1.040	0.46	200/80
4.00		0.94 x 1.28 x 33	54	1.387	0.46	200/80
8.00		1.52 x 1.28 x 28	50	2.773	0.46	200/80

*Flow rate at 1.0 bar pressure **According to driplines diameter and wall thickness

16012, 20012 - 1.2 mm wall thickness driplines

Flow rate* (l/h)	Max. working pressure (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm²)	Constant K	Exponent X	Recommended filtration (micron)/(mesh)
0.55	4.0	0.47 x 0.53 x 65	36	0.191	0.46	130/120
0.85		0.54 x 0.69 x 65	43	0.295	0.46	130/120
1.05		0.60 x 0.74 x 65	49	0.364	0.46	200/80
1.60		0.71 x 0.85 x 65	53	0.554	0.46	200/80
2.10		0.76 x 1.03 x 65	54	0.728	0.46	200/80
3.15		0.90 x 1.20 x 65	54	1.092	0.46	200/80
4.20		0.94 x 1.28 x 33	54	1.455	0.46	200/80
8.40		1.52 x 1.28 x 28	50	2.912	0.46	200/80

*Flow rate at 1.0 bar pressure

→ Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	KD
12009	10.30	0.90	12.10	3.0	3.9	0.70
12010	10.30	1.00	12.30	4.0	5.2	0.70
16009	14.20	0.90	16.00	3.0	3.9	0.40
16010	14.20	1.00	16.20	3.5	4.6	0.40
16012	14.20	1.20	16.60	4.0	5.2	0.40
20010	17.50	1.00	19.50	3.5	4.6	0.10
20012	17.50	1.20	19.90	4.0	5.2	0.10

→ 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	18.9	370	185000
12010	1.00	0.15 to 1.00	500	20.6	370	185000
16009	0.90	0.15 to 1.00	500	20.7	330	165000
16010	1.00	0.15 to 1.00	500	23.0	330	165000
16012	1.20	0.15 to 1.00	400	22.3	352	140800
20010	1.00	0.15 to 1.00	300	16.7	330	99000
20012	1.20	0.15 to 1.00	300	20.2	330	99000

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

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