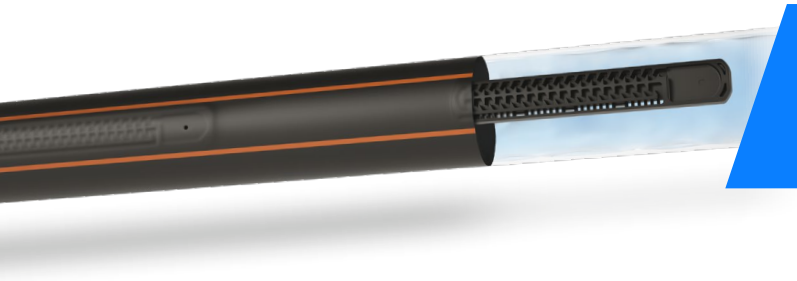
Aries™ HWD

Integral non pressure-compensated, high clogging resistance dripper, for multi seasonal applications

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



High clogging resistance

Self-cleaning labyrinth

Wide filtration area

Benefits & Features

→ High clogging resistance	Even with poor quality water, 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.
→ TurbuNext™	Labyrinth ensures wide water passages, large deep and wide cross section that improves clogging resistance.

Specifications

- Maximum system pressure: according to driplines wall thickness.
- 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.
- 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.
- Aries™ driplines meet ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

NETAFIM™
GROW MORE WITH LESS

→ DRIPPERS TECHNICAL DATA

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

FLOW RATE* (L/H)	MAXIMUM 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	0.47 x 0.53 x 65	39	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 wall thickness

16012, 20012 - 1.2 mm wall thickness driplines

FLOW RATE* (L/H)	MAXIMUM 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	39	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)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
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

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

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