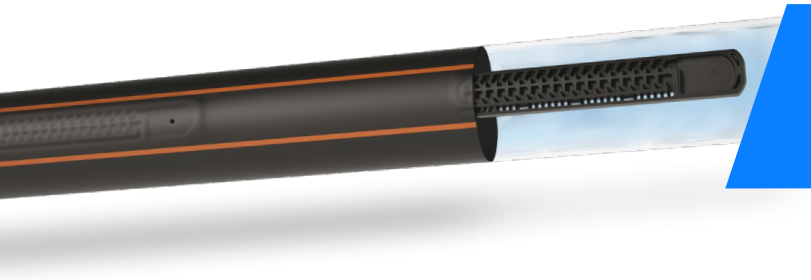
Aries™ MWD

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

→ 12200 - 12250 -16200 - 16250 - 16008 - 22250



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 medium wall driplines (0.50 , 0.63, 0.80 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

12200, 12250, 16200, 16250, 22250 - 0.50, 0.63 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)
0.50	2.5 / 3.0 / 3.5	0.47 x 0.53 x 65	39	0.173	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
1.40		0.71 x 0.85 x 65	53	0.485	0.46	200/80
1.90		0.76 x 1.03 x 65	54	0.659	0.46	200/80
2.85		0.90 x 1.20 x 65	54	0.988	0.46	200/80
3.80		0.94 x 1.28 x 33	54	1.316	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 thicknessess

→ DRIPPERS TECHNICAL DATA

16008 - 0.8 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	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

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12200	11.80	0.50	12.80	3.0	3.9	0.40
12250	11.80	0.63	13.06	3.5	4.6	0.40
16200	15.50	0.50	16.50	2.5	3.3	0.35
16250	15.50	0.63	16.76	2.8	3.6	0.35
16008	15.50	0.80	17.10	3.0	3.9	0.35
22250	22.20	0.63	23.56	2.5	3.3	0.06

→ DRIPLINES PACKAGE DATA (ON CARTON 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)
12200	0.50	0.15 to 0.25	800	17.6	480	384000
		0.30 to 1.00	900	18.8	480	432000
12250	0.63	0.15 to 0.25	700	19.0	480	336000
		0.30 to 1.00	750	19.6	480	360000
16200	0.50	0.15 to 0.25	850	23.1	480	408000
		0.30 to 1.00	900	23.7	480	432000
16250	0.63	0.15 to 0.25	750	25.4	480	360000
		0.30 to 1.00	800	26.3	480	384000
16008	0.80	0.15	450	19.4	480	216000
		0.20 to 1.00	500	21.0	480	240000
22250	0.63	0.15 to 0.25	550	25.7	480	264000
		0.30 to 1.00	600	27.4	480	288000

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

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Want to know more?
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