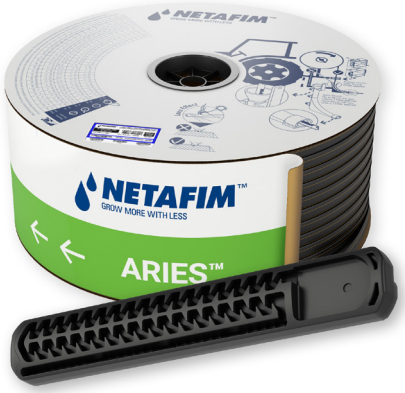
Aries™ MWD

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

→ 12200 - 12250 -16200 - 16250 - 16008
22200 - 22250



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 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.
- Compliance ISO 9261 international standards.

→ Drippers technical data

12200, 12250, 16200, 16250, 22200, 22250 - 0.50, 0.63 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)
0.50	2.5 / 3.0 / 3.5	0.47 x 0.53 x 65	36	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 thickness

→ Drippers technical data

16008 - 0.8 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	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

→ Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. 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	14.20	0.80	15.80	3.0	3.9	0.40
22200	22.20	0.50	23.20	2.0	2.6	0.06
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 per pallet (units)	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	12	480	384000
		0.30 to 1.00	900	18.8			432000
12250	0.63	0.15 to 0.25	700	19.0	12	480	336000
		0.30 to 1.00	750	19.6			360000
16200	0.50	0.15 to 0.25	850	23.1	12	480	408000
		0.30 to 1.00	900	23.7			432000
16250	0.63	0.15 to 0.25	750	25.4	12	480	360000
		0.30 to 1.00	800	26.3			384000
16008	0.80	0.15	450	19.4	12	480	216000
		0.20 to 1.00	500	21.0			240000
22200	0.50	0.15 to 0.25	700	17.9	12	480	336000
		0.30 to 1.00	800	20.4			384000
22250	0.63	0.15 to 0.25	550	25.7	12	480	264000
		0.30 to 1.00	600	27.4			288000

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

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