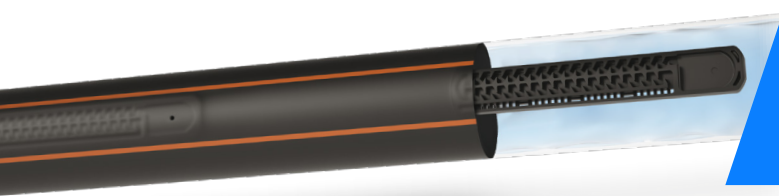


Aries™ MWD

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

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



High clogging resistance



Self-cleaning labyrinth



Wide filtration area

/ 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.
- **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 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 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.
- ✓ Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

→ 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 (MM ²)	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 thicknesses

→ 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 (MM ²)	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)	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