

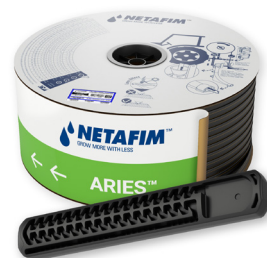
ARIES™

NON-PRESSURE COMPENSATED INTEGRAL DRIPLINE WITH ADVANCED CLOGGING RESISTANCE

Aries™ is an integral non-pressure compensated dripline with high clogging resistance. It is available in medium and heavy wall driplines for permanent and semi-permanent drip applications. The Aries™ range includes driplines with 0.68, 0.80 and 1.00 mm wall thicknesses with flow rates ranging from 1.0 to 4.0 l/h drippers.



MEDIUM AND HEAVY WALL DRIPLINES



/Benefits & Features

- **High Clogging Resistance** The labyrinth design ensures optimal turbulence and holds self-cleaning capabilities to flush debris from the dripper.
- **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.
- **Local Manufacturing** Aries™ driplines are extruded locally in South Africa, holding a range of benefits around competitiveness, product flexibility and stock availability.

/Specifications

- ✓ Maximum operating pressure according to driplines wall thickness and diameter. See technical data.
- ✓ 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 large water passage.
- ✓ Weldable into thin wall driplines (0.68, 0.80, 1.00 mm).
- ✓ Injected dripper, very low CV.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ Two clear and visible orange stripes mark the drippers upward position to ensure proper laying.
- ✓ Complies with ISO 9261 standards.

16250 WITH 0.63 mm WALL THICKNESS

Flow rate* (ℓ/h)	Max. working pressure (bar)**	Water passages dimensions			Filtration area (mm²)	Constant K	Exponent X	Recommended filtration (micron)	Turbulence coefficient K
		Width (mm)	Depth (mm)	Length (mm)					
1.00	3.0 / 3.5	0.60	0.74	65	49	0.347	0.46	100	5.89
1.90		0.76	1.03	65	54	0.659	0.46	100	6.25

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

16008 WITH 0.8 mm WALL THICKNESS

Flow rate* (ℓ/h)	Max. working pressure (bar)**	Water passages dimensions			Filtration area (mm²)	Constant K	Exponent X	Recommended filtration (micron)	Turbulence coefficient K
		Width (mm)	Depth (mm)	Length (mm)					
1.00	3.0	0.60	0.74	65	49	0.347	0.46	100	5.89
1.50		0.71	0.85	65	53	0.520	0.46	100	6.47
2.00		0.76	1.03	65	54	0.693	0.46	100	6.25
4.00		0.94	1.28	65	54	1.387	0.46	100	9.43

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

12010, 16010, 20010 WITH 1.0 mm WALL THICKNESS

Flow rate* (ℓ/h)	Max. working pressure (bar)**	Water passages dimensions			Filtration area (mm²)	Constant K	Exponent X	Recommended filtration (micron)	Turbulence coefficient K
		Width (mm)	Depth (mm)	Length (mm)					
1.00	3.5 / 4.0	0.60	0.74	65	49	0.347	0.46	100	5.89
1.50		0.71	0.85	65	53	0.520	0.46	100	6.47
2.00		0.76	1.03	65	54	0.693	0.46	100	6.25
4.00		0.94	1.28	65	54	1.387	0.46	100	9.43

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

DRIPLINE TECHNICAL DATA -ARIES™

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	KD
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
12010	10.30	1.00	12.30	4.0	5.2	0.70
16010	14.20	1.00	16.20	3.5	4.6	0.40
20010	17.50	1.00	19.50	3.5	4.6	0.10

