



## ARIES™

### INTEGRAL DRIPPER

12010 - 16009 - 16010 - 16012 - 20010 - 20012

#### APPLICATIONS:

- Deciduous and tree irrigation.
- On-surface multi seasonal row crops.

#### SPECIFICATIONS:

- Maximum system pressure: according to dripperlines wall thickness.
- Recommended filtration: 130 micron / 120 mesh.  
Filtration method is to be selected based on the fkbWand concentration of the dirt particles existing in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclon filter is to be installed before the main filter. When sand / silt / clay solids exceed 100ppm, pre treatment will be applied according to Netafim™ expert team's instructions.
- TurbuNext™ labyrinth with superior performance.
- To be "welded" into thick-walled dripperlines (0.9, 1.0 and 1.2 mm).
- Injected dripper, very low CV.
- UV resistant.
- Resistant to standard nutrients used in agricultural.
- Aries™ drippers meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII).

#### FEATURES AND BENEFITS:

- Largest filter in each dripper. Wide filtration area to ensure optimal performance even under harsh water conditions.
- TurbuNext™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance. Widest water passages within the dripper.
- The water is drawn in to the dripper from the stream center, preventing the entrance of sediments in to the drippers.
- Injection molded dripper construction , ensuring uniform drippers and very low CV.

## DRIPPERS TECHNICAL DATA

12010, 16009, 16010, 20010 - 0.9 and 1.0 mm. wall thickness dripperlines

FLOW RATE* (L/H.)	MAXIMUM WORKING PRESSURE** (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM.)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.00	2.9/3.0	0.60 x 0.75 x 65	49	0.331	0.48	130/120
2.00	2.9/3.0	0.76 x 1.03 x 65	54	0.663	0.48	130/120
3.00	2.9/3.0	0.90 x 1.20 x 65	54	0.995	0.48	130/120

\*Flow rate at 1.0 bar pressure \*\*According to dripperlines wall thickness

16012, 20012 - 1.2 mm. wall thickness dripperlines

FLOW RATE* (L/H.)	MAXIMUM WORKING PRESSURE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM.)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.05	3.5	0.60 x 0.75 x 65	49	0.348	0.48	130/120
2.10	3.5	0.76 x 1.03 x 65	54	0.695	0.48	130/120
3.15	3.5	0.90 x 1.20 x 65	54	1.043	0.48	130/120

\*Flow rate at 1.0 bar pressure

## DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM.)	WALL THICKNESS (MM.)	OUTSIDE DIAMETER (MM.)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12010	10.3	1.0	12.3	3.5	4.6	0.70
16009	14.2	0.9	16.0	2.9	3.8	0.40
16010	14.2	1.0	16.2	3.0	3.9	0.40
16012	14.2	1.2	16.6	3.5	4.6	0.40
20010	17.5	1.0	19.5	3.0	3.9	0.10
20012	17.5	1.2	19.9	3.5	4.6	0.10

## DRIPPERLINES PACKAGING DATA (ON BUNDLED COILS)

MODEL	WALL THICKNESS (MM.)	COIL LENGTH (M.)	DISTANCE BETWEEN DRIPPERS (M.)	AVERAGE* COIL WEIGHT (KG.)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M.)
12010	1.0	600	0.2 to 1.0	21.0	370	222000
16009	0.9	500	0.2 to 1.0	18.3	330	165000
16010	1.0	500	0.2 to 1.0	20.2	330	165000
16012	1.2	400	0.2 to 1.0	19.2	352	140800
20010	1.0	300	0.2 to 1.0	16.2	330	99000
20012	1.2	300	0.2 to 1.0	18.9	330	99000

\*According to drippers spacing