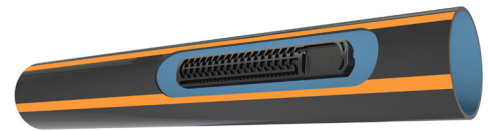




ARIES™ TWD

INTEGRAL DRIPPER



16125 - 16150 - 22125 – 22135 -22150

APPLICATIONS

- On-surface multi seasonal row crops.
- Permanent sub-surface multi seasonal row crops.

FEATURES AND BENEFITS

- Large 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 that allow reducing the filtration requirements, for drippers having 1.0l/h flowrate and above hence increasing the filtration efficiency.
- The water is drawn into the dripper from the stream center, preventing the entrance of sediments in to the drippers.
- Injection molded dripper construction, ensuring uniform dripper flow and very low CV.

SPECIFICATIONS

- Maximum system pressure: according to dripperlines wall thickness.
- Recommended filtration: according to drippers flow rates.
Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water.
Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone is to be installed before the main filter.
When sand/silt/ clay solids exceed 100 ppm, pre treatment will be applied according to Netafim™ expert team's instructions.
- TurbuNext™ labyrinth with superior clogging resistance..
- To be "welded" into medium-walled dripperlines (0.31, 0.34, 0.38 mm).
- Injected dripper, very low CV.
- High UV resistant.
- Resistant to standard nutrients used in agricultural.
- Aries™ dripperlines meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII).

DRIPPERS TECHNICAL DATA

12125, 12150, 16125, 16150, 22135, 22150 - 0.31, 0.34 and 0.38 mm wall thickness dripperlines

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	1.5 up to 3.0	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
0.95		0.60 x 0.74 x 65	49	0.329	0.46	200/80
1.35		0.71 x 0.85 x 65	53	0.468	0.46	200/80
1.85		0.76 x 1.03 x 65	54	0.641	0.46	200/80
2.80		0.90 x 1.20 x 65	54	0.971	0.46	200/80
3.80		0.94 x 1.28 x 33	54	1.318	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 dripperlines wall thicknesses / inside diameter

DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12125	11.80	0.31	12.42	2.5	3.3	0.40
12150	11.80	0.38	12.56	3.0	3.9	0.40
16125	16.20	0.31	16.82	1.8	2.3	0.30
16150	16.20	0.38	16.96	2.2	2.9	0.30
22125	22.20	0.31	22.82	1.5	2.0	0.06
22135	22.20	0.34	22.88	1.6	2.1	0.06
22150	22.20	0.38	22.96	1.8	2.3	0.06

DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

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)
12125	0.31	0.15	1150	18.0	12	480	552000
		0.20 to 0.25	1250	18.5			600000
		0.30 to 1.00	1350	18.7			648000
12150	0.38	0.15	1000	19.0	12	480	480000
		0.20 to 0.25	1100	19.3			528000
		0.30 to 1.00	1200	19.8			576000
16125	0.31	0.15 to 0.25	1000	18.7	16	640	640000
		0.30 to 1.00	1100	19.5			704000
16150	0.38	0.15 to 0.25	900	20.1	16	640	576000
		0.30 to 1.00	1000	21.4			640000
22125	0.31	0.15 to 0.25	900	21.9	16	640	576000
		0.30 to 1.00	1000	23.4			640000
22135	0.34	0.15 to 0.25	800	21.5	16	640	512000
		0.30 to 1.00	900	23.0			576000
22150	0.38	0.15 to 0.25	700	20.6	16	640	448000
		0.30 to 1.00	800	22.7			512000

*According to drippers spacing