



ARIES™ MWD

INTEGRAL DRIPPER

12200 - 12250 - 16200 - 16250 - 16007
16008 - 22200 - 22250 - 25200

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 resistance.
- 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.

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 (0.50, 0.63, 0.70, 0.80 mm).
- Injected dripper, very low CV.
- High UV resistance.
- 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

12200, 16200, 22200, 25200, 12250, 16250, 22250 - 0.50 and 0.63 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	1.6 up to 3.5	0.47	0.53	65	36	0.173	0.46	130/120
0.80		0.54	0.69	65	43	0.277	0.46	130/120
1.00		0.60	0.74	65	49	0.347	0.46	200/80
1.40		0.71	0.85	65	53	0.485	0.46	200/80
1.90		0.76	1.03	65	54	0.659	0.46	200/80
2.85		0.90	1.20	65	54	0.988	0.46	200/80
3.80		0.94	1.28	33	54	1.316	0.46	200/80
8.00		1.52	1.28	28	50	2.773	0.46	200/80

*Flow rate at 1.0 bar pressure **According to dripperlines diameter and wall thicknesses

DRIPPERS TECHNICAL DATA

16007 - 0.70 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)
0.55	2.9	0.47	0.53	65	36	0.191	0.46	130/120
0.80		0.54	0.69	65	43	0.277	0.46	130/120
1.00		0.60	0.74	65	49	0.347	0.46	200/80
1.40		0.71	0.85	65	53	0.485	0.46	200/80
1.90		0.76	1.03	65	54	0.659	0.46	200/80
2.85		0.90	1.20	65	54	0.988	0.46	200/80
3.80		0.94	1.28	33	54	1.316	0.46	200/80
8.00		1.52	1.28	28	50	2.773	0.46	200/80

*Flow rate at 1.0 bar pressure

DRIPPERS TECHNICAL DATA

16008 - 0.8 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)
0.55	3.0	0.47	0.53	65	36	0.191	0.46	130/120
0.80		0.54	0.69	65	43	0.277	0.46	130/120
1.00		0.60	0.74	65	49	0.347	0.46	200/80
1.50		0.71	0.85	65	53	0.520	0.46	200/80
2.00		0.76	1.03	65	54	0.693	0.46	200/80
3.00		0.90	1.20	65	54	1.040	0.46	200/80
4.00		0.94	1.28	33	54	1.387	0.46	200/80
8.00		1.52	1.28	28	50	2.773	0.46	200/80

*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
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
16007	15.50	0.70	16.90	2.9	3.8	0.35
16008	15.50	0.80	17.10	3.0	3.9	0.35
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
25200	25.00	0.50	26.00	1.6	2.1	0.05

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)
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
16007	0.70	0.15 to 0.25	550	20.8	12	480	264000
		0.30 to 1.00	600	22.0			288000
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	750	28.0	12	480	360000
		0.30 to 1.00	800	29.1			384000
22250	0.63	0.15 to 0.25	550	25.7	12	480	264000
		0.30 to 1.00	600	27.4			288000
25200	0.50	0.15 to 0.25	650	27.1	12	480	312000
		0.30 to 1.00	700	28.5			336000

*According to drippers spacing