



# ARIES MWD

## INTEGRAL DRIPPER, MEDIUM WALL DRIPPERLINE



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

### APPLICATIONS

- On-surface multi seasonal row crops.
- Sub-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 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 performance.
- To be "welded" into medium-walled dripperlines (0.50, 0.63, 0.70, 0.80 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.

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Aries MWD Dripperline  
September 2017  
CP



## DRIPPERS TECHNICAL DATA

12200, 16200, 22200, 25200, 12250, 16250, 22250, 16007 - 0.50, 0.63 and 0.70 mm wall thickness dripperlines

1.00	1.6 up to 3.5	0.60 x 0.74 x 65	45	0.347	0.46	130/120
1.40	1.6 up to 3.5	0.71 x 0.85 x 65	48	0.485	0.46	130/120
1.90	1.6 up to 3.5	0.76 x 1.03 x 65	51	0.659	0.46	130/120
2.85	1.6 up to 3.5	0.90 x 1.20 x 65	51	0.988	0.46	130/120
3.80	1.6 up to 3.5	0.94 x 1.28 x 33	51	1.316	0.46	130/120

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

16008 - 0.80 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	3.0	0.60 x 0.74 x 65	45	0.347	0.46	130/120
1.50	3.0	0.71 x 0.85 x 65	48	0.520	0.46	130/120
2.00	3.0	0.76 x 1.03 x 65	51	0.693	0.46	130/120
3.00	3.0	0.90 x 1.20 x 65	51	1.040	0.46	130/120
4.00	3.0	0.94 x 1.28 x 33	51	1.387	0.46	130/120

\*Flow rate at 1.0 bar pressure

ARIES™ MWD 12200

Catalog number 12750 - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00				001000										
1.40														
1.90						003000	003300							
2.85						004100	004300							
3.80														
Carton coil length (m)	800	800	800	900	900	900	900	900	900	900	900	900	900	900

Missing catalog numbers available upon request.

## 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	0.4

## DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
12200	0.50	0.15 to 0.25	800	176	480	384000
		0.30 to 1.00	900	18.8	480	432000

\*According to drippers spacing

Catalog number **12930** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00		000020		000050		000070								
1.40		000180		000200		000210	000220	000230						
1.90		000710		000870		004550	002700							
2.85				004150			004110							
3.80		006110		006150		006200	006260	006310						
Carton coil length (m)	850	850	850	900	900	900	900	900	900	900	900	900	900	900

Missing catalog numbers available upon request.

### DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16200	15.50	0.50	16.50	2.5	3.3	0.3

### DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16200	0.50	0.15 to 0.25	850	23.1	480	408000
		0.30 to 1.00	900	23.7	480	432000

\*According to drippers spacing

### ARIES™ MWD 16250

Catalog number **12940** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00	000900	001020		001052		001080	001090							
1.40				001500		001510	001520	001530						
1.90		002420		002460		002605	002630	002730						
2.85														
3.80														
Carton coil length (m)	750	750	750	800	800	800	800	800	800	800	800	800	800	800

Missing catalog numbers available upon request.

### DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16250	15.50	0.63	16.76	2.8	3.6	0.3

### DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16250	0.63	0.15 to 0.25	750	25.4	480	360000
		0.30 to 1.00	800	26.3	480	384000

\*According to drippers spacing

Catalog number **12960** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00		001010		001060		001066	001071	001076			001100	001120		
1.50				001500		001511	001521	001531			001541			001571
2.00		002350	002370	002450		002600	002800	002811			002831			002871
3.00		004150		004300										
4.00		006150		006300		006311	006321	006331			006341			006371
Carton coil length (m)	450	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

**DRIPPERLINES TECHNICAL DATA**

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16008	15.50	0.80	17.10	3.0	3.9	0.3

**DRIPPERLINES PACKAGE DATA (ON CARTON COILS)**

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16008	0.80	0.15	450	19.4	480	216000
		0.20 to 1.00	500	21.0	480	240000

\*According to drippers spacing

**ARIEST™ MWD 22250**

Catalog number **12970** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00						002000	002100							
1.40						003200	003250							
1.90														
2.85														
3.80														
Carton coil length (m)	550	550	550	600	600	600	600	600	600	600	600	600	600	600

Missing catalog numbers available upon request.

**DRIPPERLINES TECHNICAL DATA**

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
22250	22.20	0.63	23.56	2.5	3.3	0.06

**DRIPPERLINES PACKAGE DATA (ON CARTON COILS)**

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
22250	0.63	0.15 to 0.25	550	25.7	480	264000
		0.30 to 1.00	600	27.4	480	288000

\*According to drippers spacing

## ARIESTM MWD 25250

Catalog number **12975** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)													
	0.15	0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.90	1.00
1.00				001800		001900	002000							
1.40						003150	003200							
1.90							004200							
2.85														
3.80														
Carton coil length (m)	500	500	500	550	550	550	550	550	550	550	550	550	550	550

Missing catalog numbers available upon request.

### DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
25250	25.00	0.63	26.26	2.5	3.3	0.06

### DRIPPERLINES PACKAGE DATA (ON CARTON COILS)

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
25250	0.63	0.15 to 0.25	550	25.7	480	264000
		0.30 to 1.00	600	27.4	480	288000

\*According to drippers spacing

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