

UniRam™ AS

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper

→ 16009 - 16010 - 16012 - 17012 - 20010 - 20012 - 23010



Pressure-compensated



Anti-Siphon mechanism



Self-flushing mechanism

/ Benefits & Features

- **Pressure-compensated** Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.
- **Anti-Siphon mechanism** Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
- **Continuously self-flushing** Flushes debris, throughout operation, while ensuring constant dripper operation.
- **Wide filtration area** Makes UniRam™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency.
- **Physical root barrier** Better protection against root intrusion without reliance on chemicals.
- **TurboNet™** Labyrinth ensures wide water passages, to increase flushing efficiency.

/ Specifications

- ✓ Pressure-compensated range: 0.5-4.0 bar. Anti-Siphon Mechanism.
- ✓ 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.
- ✓ Double TurboNet™ labyrinth with large water passage.
- ✓ Weldable into thick wall driplines (0.90, 1.00, 1.20 mm).
- ✓ Injected dripper, very low CV with injected silicon diaphragm.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ UniRam™ driplines meet ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT* X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.7	0.5 – 4.0	0.70 x 0.65 x 40	110	0.7	0	130/120
1.0	0.5 – 4.0	0.83 x 0.74 x 40	130	1.0	0	130/120
1.6	0.5 – 4.0	1.07 x 0.79 x 40	130	1.6	0	200/80
2.3	0.5 – 4.0	1.26 x 0.95 x 40	130	2.3	0	200/80
3.5	0.5 – 4.0	1.59 x 1.10 x 40	150	3.5	0	200/80

* Within working pressure range

UniRam™ AS 16009

Catalog number 13740 - (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
0.7														
1.0		001190		001200		001250	001400	001550	001570	001600				
1.6				002300			002500	002600	002650	002700	002750	002800		
2.3				003400		003690	003700	003800	003850	003870	003900	004000	004100	004200
3.5						009750	010035	010040	010045	010050	010100	010150	010200	000001
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16009	14.20	0.90	16.00	3.0	3.9	1.30

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
16009	0.90	500	0.15 to 1.00	20.3	330	165000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 16010

Catalog number 13720 - (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
0.7		000180	000185	000200		000220	000240	000260			000280			000300
1.0	000380	000400	000450	000500		000600	000700	000800	000840	000850	000900	001000	001030	001200
1.6	001450	001520	001550	001600	001650	001700	001800	001900	001950	001965	002000	002100	002200	002500
2.3		002600	002620	002700	002750	002850	002900	003000	003100	003150	003200	003300	003400	003600
3.5		003950		004000	004100	004160	004200	004270	004300	004350	004370	004440	004470	004500
Bundled coil length (m)	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16010	14.20	1.00	16.20	3.5	4.6	1.30

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
16010	1.00	500	0.15 to 1.00	22.1	330	165000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 16012

Catalog number 13700 - (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
0.7				000100							000001			
1.0		000400	000450	000500			000600	000680			000002		000005	000900
1.6		001000		001050	001087	001095	001100	001150			001200			001400
2.3				001700	001800	001900	002000	002050	002100	002200	002300	002350		002500
3.5				003200		003300	003400			003550	003600			004000
Bundled coil length (m)	400	400	400	400	400	400	400	400	400	400	400	400	400	400

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
16012	14.20	1.20	16.60	4.0	5.2	1.30

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
16012	1.20	400	0.15 to 1.00	21.2	352	140800

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 17012

Catalog number 14000 - (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
0.7		000010		000020		000025								
1.0	000050	000070	000085	000100		000125	000150		000170	000190	000200	000210		000250
1.6	000600	000650	000700	000800	000830	000900	001000	001050		001110	001130	001135		001140
2.3		001200	001250	001400	001470	001550	001700	001900	001930	001950	002100	002130		002300
3.5				002380		002385	002390	002395		002399	002410	003000	003210	003600
Bundled coil length (m)	400	400	400	400	400	400	400	400	400	400	400	400	400	400

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
17012	14.60	1.20	17.00	4.0	5.2	1.10

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
17012	1.20	400	0.15 to 1.00	22.4	352	140800

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 20010

Catalog number 14520 - (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
0.7														
1.0			000007	001000		001025	001050	001100			001200			001300
1.6				001800		001900	001950	002050		002065	002070	002100		002200
2.3				002400		002500	002550	002600		002650	002700	002800		003000
3.5				003500		003600	003700	003800		003850	003890	004000		004100
Bundled coil length (m)	300	300	300	300	300	300	300	300	300	300	300	300	300	300

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
20010	17.50	1.00	19.50	3.5	4.6	0.40

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
20010	1.00	300	0.15 to 1.00	17.4	330	99000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 20012

Catalog number 14500 - (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
0.7		000008	000009	007500		007600	007700	007800			007900			008000
1.0		000020	000040	000050		000075	000080	000095			000100	000104	000108	000110
1.6		000170	000200	000300	000360	000400	000600	000700	000006	000800	000900	000960	000970	000980
2.3		000990	001020	001150	001310	001450	001550	001800	001850	001920	001950	002100	002300	002400
3.5				005300		005400	005700	005800		005900	006000	006100	006200	006700
Bundled coil length (m)	300	300	300	300	300	300	300	300	300	300	300	300	300	300

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
20012	17.50	1.20	19.90	4.0	5.2	0.40

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

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)
20012	1.20	300	0.15 to 1.00	20.2	330	99000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniRam™ AS 23010

Catalog number 14635 - (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
0.7				000500		000550	000600	000650			000700			000750
1.0				001300		001400	001500	001570	001600		001700			
1.6				002100		002200	002300	002400		002520	002600	002660		
2.3						003500	003600	003705		003800	003900	003950	004050	004100
3.5							005100	005200	000001	005400	005500			
Carton coil length (m)	200	200	200	300	300	300	300	300	300	300	300	300	300	300

Missing catalog numbers available upon request.

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
23010	20.80	1.00	22.80	3.0	3.5	0.30

→ DRIPLINES PACKAGE DATA (ON CARTON COIL)

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)
23010	1.00	200	0.15 to 0.25	14.7	480	96000
		300	0.30 to 1.00	20.7		144000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

