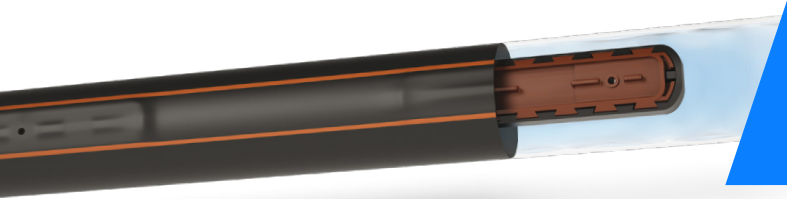


# UniRam™ AS XR

Integral pressure-compensated, continuously self-flushing and anti-siphon mechanism dripper, ideal for permanent (10 or more seasons) sub surface row crops applications with extra root protection. The dripper utilizes dynamic root protection and a dirt suction prevention mechanism.

→ 16009 - 16010 - 16012 - 20012 - 23010



Root Intrusion protection



Pressure-compensated



Anti-Siphon mechanism

## / Benefits & Features

- Extra root intrusion protection (XR) Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long-lasting protection due to non-migrating active ingredients embedded in the dripper cover.
- 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 even in challenging water quality.
- Physical root barrier Better protection against root intrusion, utilizing unique dripper design that creates physical barriers protecting the dripper from root growth into its labyrinth.
- Wide filtration area Ensures optimal performance even under harsh water conditions, preventing the entrance of sediment into the labyrinths.
- TurboNet™ Labyrinth ensures wide water passages, to increase flushing efficiency. The water is drawn into the dripper from the stream center, preventing the entrance of sediments into the drippers.

## / Specifications

- ✓ Pressure-compensated range according to table below.
- ✓ Largest filter in the industry. 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.
- ✓ Meets 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 (MM <sup>2</sup> )	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

## → 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
16010	14.20	1.00	16.20	3.5	4.6	1.30
16012	14.20	1.20	16.60	4.0	5.2	1.30
20012	17.50	1.20	19.90	4.0	5.2	0.40
23010	20.80	1.00	22.80	3.0	3.5	0.30

## → 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
16010	1.00	500	0.15 to 1.00	22.1	330	165000
16012	1.20	400	0.15 to 1.00	21.2	352	140800
20012	1.20	300	0.15 to 1.00	20.2	330	99000
23010**	1.00	200	0.15 to 0.25	14.7	480	96000
		300	0.15 to 1.00	20.7		144000

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

\*\* Dripline model 23010 on carton coil