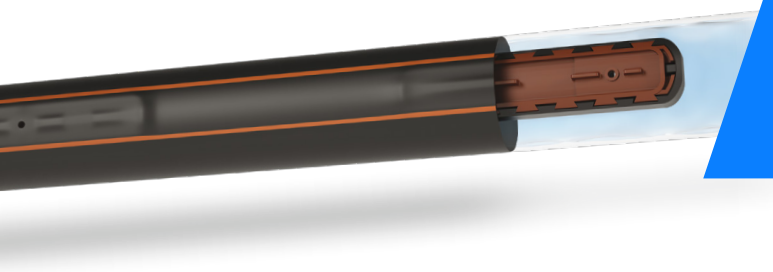
UniRam™ AS XR

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper with improved resistance to root intrusion

→ 16009 - 16010 - 16012 - 20012 - 23010



Root Intrusion protection

Pressure-compensated

Anti-Siphon mechanism

Benefits & Features

→ Root Intrusion protection	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
→ Wide filtration area	Makes UniRam™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency.
→ 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: 0.5-4.0 bar. Anti-Siphon mechanism. Extra protection against root intrusion.
- Recommended filtration: according to drippers 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.

NETAFIM™
GROW MORE WITH LESS

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM^2)	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