



UNIRAM™ RC 16012, 16010, 16009

INTEGRAL PRESSURE COMPENSATED DRIPPERLINES

APPLICATIONS

- On-surface row crops and tree irrigation

SPECIFICATIONS

- Working pressure 0.5 to 4.0bar.
- Double TurboNet™ labyrinth with large water passage.
- 4 different flow rates.
- To be "welded" into thick-walled pipes (0.9 , 1.0 and 1.2 mm.).
- Injected dripper, very low CV.
- Injected silicon diaphragm.
- UniRam™ drippers meet ISO 9261 Standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- PC system, maintains uniform flow rate at different inlet working pressures (within the recommended working pressure range), ensuring exact distribution of the water and nutrients.
- TurboNet™ labyrinth assures wide water passages , large deep and wide cross section improves clogging resistance.
- Wide filtration area to ensure optimal performance even under harsh water conditions.
- Self-flushing system with wide filtration area improves resistance to clogging, and makes UniRam™ more resistant when using low quality water.
- Root physical barrier has larger basin and a root barrier in the entrance to the compensating chamber thus improving resistance to clogging by root penetration.

DRIPPERS TECHNICAL DATA

NOMINAL FLOW RATE (L/H.)	MAX. WORKING PRESSURE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM X MM X MM)	FILTRATION AREA (MM 2)	CONSTANT K	EXPONENT X*
1.0	0.5 – 4.0	0.83 x 0.74 x 40	130	1.0	0
1.6	0.5 – 4.0	1.26 x 0.70 x 40	130	1.6	0
2.3	0.5 – 4.0	1.26 x 1.00 x 40	130	2.3	0
3.5	0.5 – 4.0	1.59 x 1.15 x 40	150	3.5	0

* Within working pressure range

DRIPPERLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM.)	WALL THICKNESS (MM.)	OUTSIDE DIAMETER (MM.)	MAX. WORKING PRESSURE (BAR)	KD
16012	13.70	1.2	16.10	4.0	1.6
16010	14.10	1.0	16.10	3.5	1.3
16009	14.20	0.9	16.00	3.0	1.3

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PERFORMANCE DATA

UNIRAM™ RC 16009 - I.D. 14.2 mm. - Inlet pressure 3.0 bar - Kd 1.3

Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)								
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1.0	131	189	243	294	342	388	432	474	515
1.6	96	139	178	216	252	286	318	350	380
2.3	76	109	141	171	199	226	252	276	301
3.5	57	83	107	130	151	172	192	211	229

*Calculated in a plain area **Minimum considered pressure: 0.5 bar

UNIRAM™ RC 16010 - I.D. 14.1 mm. - Inlet pressure 3.0 bar - Kd 1.3

Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)								
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1.0	129	187	240	291	338	384	427	469	510
1.6	95	137	176	214	249	283	315	347	376
2.3	75	108	139	169	197	223	249	274	297
3.5	57	82	106	129	149	170	190	209	227

*Calculated in a plain area **Minimum considered pressure: 0.5 bar

UNIRAM™ RC 16012 - I.D. 13.7 mm. - Inlet pressure 3.0 bar - Kd 1.6

Maximum lateral length (meter)

FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS (M.)								
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1.0	118	171	220	268	312	355	396	436	474
1.6	86	125	162	197	230	261	292	321	349
2.3	68	99	128	155	181	207	230	254	276
3.5	52	75	97	118	138	157	175	194	210

*Calculated in a plain area **Minimum considered pressure: 0.5 bar

For more information, please contact Netafim Technical Department or connect to our website at : www.netafim.com

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PACKAGING DATA

UNIRAM™ RC	WALL THICKNESS (MM.)	DISTANCE BETWEEN DRIPPERS (METER)	COIL LENGTH (METER)	AVERAGE COIL WEIGHT* (KG.)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (METERS)
16012	1.2	0.2 to 1.0	400	21.2	352	140800
16010	1.0	0.2 to 1.0	500	22.1	330	165000
16009	0.9	0.2 to 1.0	500	20.3	330	165000

*According to drippers spacing

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