

# UniRam™ CNL 16012, 16010, 16009

## Anti-drain & Anti-siphon

For greenhouses, sub-surface, deciduous & tree irrigation

- TurboNet™ labyrinth assures wide water passage
- PC system for uniform flow rate from 1.0 - 4.0 bar
- Anti-siphon & self-flushing systems prevent dirt penetration and improve clogging resistance
- Anti-drain (CNL) system for efficient pulse irrigation, prevents water drainage and eliminates need for refill
- Root physical barrier improves resistance to clogging caused by root penetration



### UniRam™ facets



Wide filtration area to ensure optimal performance even under harsh water conditions

Injected silicon diaphragm



Large, deep and wide cross-section improves clogging resistance

Root physical barrier – improves resistance to root penetration



PC system ensuring exact flow rate in all field conditions

Injection molded dripper construction, ensuring uniform drippers and very low CV

### Drippers technical data

Flow rate (l/h)	working pressure range (bar)	water passage dimensions width-depth-length (mm)	filtration area (mm <sup>2</sup> )	constant K	exponent* X	shut-off pressure (bar)
1.0	1.0-4.0	0.83 x 0.74 x 40	130	1.0	0	0.14
1.6	1.0-4.0	1.26 x 0.74 x 40	130	1.6	0	0.14
2.3	1.0-4.0	1.26 x 1.00 x 40	130	2.3	0	0.14
3.5	1.0-4.0	1.59 x 1.15 x 40	150	3.5	0	0.14

\*At working pressure range

### Dripperlines technical data

Model	inside Ø (mm)	wall thickness (mm)	outside Ø (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™ CNL 16012 • I.D. Ø 13.70 mm • Inlet pressure 3.0 bar

Max. lateral length (m) • spacing between drippers (m)

Flow rate (l/h)	0.20	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00	1.25	1.50
1.0	109	158	204	225	247	289	347	402	437	520	599
1.6	80	116	150	166	182	212	255	296	322	384	441
2.3	63	91	118	131	143	167	202	234	254	304	350
3.5	48	69	90	99	109	127	153	178	194	231	266

#### UniRam™ CNL 16010 & 16009 • I.D. Ø 14.10 mm • Inlet pressure 3.0 bar

Max. lateral length (m) • spacing between drippers (m)

Flow rate (l/h)	0.20	0.30	0.40	0.45	0.50	0.60	0.75	0.90	1.00	1.25	1.50
1.0	120	173	222	246	269	313	375	433	470	559	641
1.6	88	127	163	180	198	230	276	320	347	411	473
2.3	69	100	129	142	156	181	218	252	274	325	374
3.5	52	76	98	108	119	138	166	192	209	248	285

Minimum pressure considered = 1.0 bar, calculated in a plain area.

For more information, please contact Netafim Technical Department or connect to our website at [www.netafim.com](http://www.netafim.com)

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### Packaging Data

UniRam™ CNL	Wall thickness (mm)	Coil length (m)	Distance between drippers (m)	Coil weight* average (kg)	Coils in a 40 feet container (units)	Total in a 40 feet container (m)
16012	1.2	400	0.2 to 1.0	21.2	352	140800
16010	1.0	500	0.2 to 1.0	22.1	330	165000
16009	0.9	500	0.2 to 1.0	20.3	330	165000

\* According to drippers spacing

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