

# UniRam™ CNL 20012, 20010

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
20012	17.50	1.2	19.90	4.0	0.4
20010	17.45	1.0	19.45	3.5	0.4

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## Performance Data

### UniRam™ CNL 20012 • I.D. Ø 17.50 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	214	300	377	414	448	514	607	692	746	873	990
1.6	158	221	278	305	331	379	448	511	551	645	732
2.3	124	174	220	241	261	300	354	405	436	511	581
3.5	94	133	167	183	199	229	270	309	333	390	443

### UniRam™ CNL 20010 • I.D. Ø 17.45 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	214	300	377	414	448	514	607	692	746	873	990
1.6	158	221	278	305	331	379	448	511	551	645	732
2.3	124	174	220	241	261	300	354	405	436	511	581
3.5	94	133	167	183	199	229	270	309	333	390	443

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)

## 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)
20012	1.2	300	0.2 to 1.0	20.2	352	105600
20010	1.0	300	0.2 to 1.0	17.4	352	105600

\* According to drippers spacing

Website: [www.netafim.com](http://www.netafim.com)  
E-mail: [postmaster@netafim.com](mailto:postmaster@netafim.com)

