

# UniRam™ HCNL 23010

Anti-drain & Anti-siphon

For greenhouse, sub-surface, deciduous & tree irrigation

- TurboNet™ labyrinth assures wide water passage
- PC system for uniform flow rate from 1.5 - 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

## 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)
1.25	1.5-4.0	0.83 x 0.74 x 40	130	1.25	0	0.25
2.00	1.5-4.0	1.26 x 0.74 x 40	130	2.00	0	0.25
2.90	1.5-4.0	1.26 x 1.00 x 40	130	2.90	0	0.25
4.40	1.5-4.0	1.59 x 1.15 x 40	150	4.40	0	0.25

\* At working pressure range

## DRIPPERLINE TECHNICAL DATA

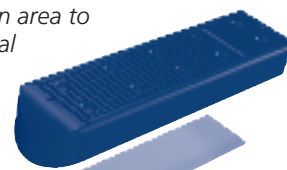
Model	inside Ø (mm)	wall thickness (mm)	outside Ø (mm)	max. working pressure (bar)	KD
23010	20.80	1.00	22.80	3.0	0.3

### UniRam™ dripper

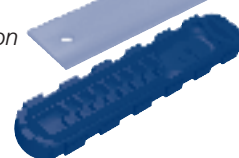


### UniRam™ facets

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



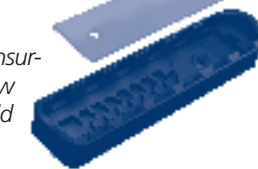
Injected silicon diaphragm



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



UniRam™ HCNL 23010 • I.D. Ø 20.80 mm • Inlet pressure 3.0 bar

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

Nom. 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
1.25	253	348	432	471	509	580	680	771	830	966	1092
2.00	181	250	311	339	366	418	490	556	598	696	788
2.90	139	192	239	261	282	322	377	428	461	538	608
4.40	109	150	187	204	221	251	296	336	361	421	476

Minimum pressure considered = 1.5 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)

PERFORMANCE DATA

UniRam™ HCNL	Wall thickness (mm)	Coil length (m)	Distance between drippers (m)	Coil weight* (kg)	Coils in a 40 feet container (units)	Total in a 40 feet container (m)
23010	1.0	300	0.2 to 1.0	23 to 20	480	144000

\* According to drippers spacing

PACKAGING DATA

