

UniRam™ CNL



The UniRam CNL is the pressure-compensated and self-closing inline dripline from Netafim with the unique self-cleaning labyrinth. Thanks to the self-closing function, the dripline never runs dry and the pressure-compensated function ensures a uniform flow rate, irrespective of differences in pressure due to long line lengths, short dripper spacings and/or slopes in the ground. Short, uniform irrigation cycles are thus possible so that both soil-grown and substrate crops can be treated. An optimum water distribution in the soil means minimum leaching and better growth, but also less dry patches and hence and improved soil cooling effect.

The UniRam CNL can be used for underground dripping (Subsurface Drip: SDI). The self-closing effect prevents dirt from being drawn in and stops roots from growing into the line. UniRam CNL drippers have a large internal filter and are therefore very suitable for applications with contaminated water.

The diaphragm is made of silicone so that cleaning with chlorine-based agents is possible. The UniRam CNL is a completely smooth line. Laying and removal of the line is easy. The UniRam CNL is frost-resistant.

APPLICATION

UniRam CNL driplines are widely used in soil for Alstroemeria, Freesia and Lycianthes; for Amaryllis and Anthurium the line is laid in the substrate beds.

Other common applications are other ornamental plants in soil, such as Gypsophila, summer flowers and parent plants, but also for e.g. strawberries, berries and asparagus.

CHARACTERISTICS

- ✔ Pressure-compensated and self-closing
- ✔ Large integral inlet filter
- ✔ Above ground and underground applications
- ✔ Frost-resistant
- ✔ Silicone diaphragm

INSTALLATION & MAINTENANCE

- ✔ The UniRam CNL is recognisable from the imprint "UniRam CNL" on the line.
- ✔ The UniRam CNL can be installed with barb connectors, Nutlock and compression joints.
- ✔ With compression joints, use an insert bush (Art. No. 77300-116483 for 16 mm dia. and 77300-116463 for 20 mm dia. line).
- ✔ The UniRam CNL can be cleaned using acid, peroxide and chlorine-based agents (see cleaning instructions).
- ✔ Read the general operating instructions for tips on storage, installation and use.
- ✔ The line can best be laid with the stripes and drippers pointing up.
- ✔ During cold weather we recommend that the UniRam CNL driplines are drained.

TECHNICAL DATA

Flow rate	: 1.0, 1.6, 2.3 l/h*
Line diameter	: 16 mm and 20 mm
Wall thickness	: 1.2 mm
Dripper interval	: 15, 20, 25, 30, 40, 50 cm*
Working pressure	: 1.0 - 4.0 bar
Maximum pressure	: 4.0 bar
Closing pressure	: 0.14 bar
Filtration	: 200 micron (irrigation set) : 130 micron (main filtration)
Diaphragm material	: silicone
Coil length	: 400 meter (16 mm dia.) and 300 meter (20 mm dia.)

* other flow rates on request

Maximum length (meters) with inlet pressure 3 bar and on level ground

Line size (OD x w/t)		16 x 1,2 mm		
Flow rate	l/h	1,0	1,6	2,3
Dripper interval	cm			
20		121	89	70
25		148	109	86
30		175	128	101
40		225	165	130
50		272	200	158

Line size (OD x w/t)		20 x 1,2 mm		
Flow rate	l/h	1,0	1,6	2,3
Dripper interval	cm			
20		215	158	124
25		258	190	150
30		300	221	175
40		378	278	220
50		449	331	262