

# CNL dripper



The CNL is a sturdy pressure-compensated and self-closing dripper from Netafim suitable for the most difficult working conditions with contaminated water and large differences in height. The CNL has larger passages and higher closing pressures than any other dripper.

The CNL is used as a single dripper (with or without stake) and is used as a base for the Multi-outlet. With the Multi-outlet (a distributor) divides the water to 2-8 dripper points. The pressure-compensated and self-closing properties of the CNL ensure a uniform flow rate to all dripper points, even with short cycles. The Multi-outlet is a sustainable system.

## APPLICATION

- ✓ The High-CNL dripper has a high closing pressure allowing for height variations of up to 3 meters without the dripper line draining out (CNL 3, 6 and 12 litres/hour). This is important not only on sloping ground, but also when growing on racks and in pillars.
- ✓ The CNL used as the basic dripper for the Multi-outlet. The dripper can be used with a distributor to provide several dripper points with a pressure-compensated and self-closing function.
- ✓ Combination with Spray stake and microtube.

## CHARACTERISTICS

- ✓ The pressure-compensated function ensures a uniform flow rate throughout the system, even with thinner pipes
- ✓ Self-closing function with higher closing pressures than the Kameleon(-High)
- ✓ Long service life
- ✓ Can be used with large differences in height (1-3 meters) without the system running dry
- ✓ The CNL has the largest passage of all drippers and is therefore best protected against clogging
- ✓ Equipped with silicone diaphragms (CNL). May be flushed with acid, peroxide or chlorine-based agents

## TECHNICAL DATA

Flow rate CNL-Low	: 2 / 4 / 8.5 l/h
Flow rate CNL-High	: 3 / 6 / 12 l/h
Max. working pressure	: 3.5 bar
Closing pressure	: 0.15 bar (CNL-Low) : 0.30 bar (CNL-High)
Filtration	: 130 micron (irrigation set) : 80 - 100 micron (main filtration)
Combinations	: Multi-outlet with 2 to 8 drippers : Spray stake
Punch diameter	: 2.5 mm
Standard	: ISO 9261

## Flow rate vs. pressure

		Low-CNL		
Flow rate	l/h	2	4	8,5
Cap colour		brown	brown	brown
Base colour		red	black	green
Recommended working pressure	bar	1,0-3,5	1,0-3,5	1,0-3,5
Closing pressure	bar	0,15	0,15	0,15

		High-CNL		
Flow rate	l/h	3	6	12
Cap colour		black	black	black
Base colour		black	black	black
Recommended working pressure	bar	1,5-3,5	1,5-3,5	1,5-3,5
Closing pressure	bar	0,3	0,3	0,3

## INSTALLATION & MAINTENANCE

- ✓ Read the 'General operating instructions for dripper systems' for storage, installation and use.
- ✓ The CNL drippers can be cleaned using acid, peroxide and/or chlorine-based agents (see 'Cleaning and important points for dripper systems').
- ✓ Regular flushing of dripper lines is important to prevent the accumulation of contaminants in the line.

## MATAF DRIPPER

The Mataf (24 l/h) is a special pressure compensated dripper, but is not self-closing. A cap is available for the Mataf so that the water flows past the dripper at all times. In addition, this cap prevents intruding of small insects.



### Points of attention

- ✓ The advised working pressure of the Mataf dripper is 1.0 bar, however pressure is regulated between 0.5 and 4.0 bar.
- ✓ The Mataf dripper has an EPDM diaphragm. Different cleaning instructions apply for Mataf drippers. The Mataf may not be flushed with acid, peroxide and/or chlorine-based agents.
- ✓ The Bubbler is available as a pressure-compensated dripper (flow regulator) with self-closing function and high flow rates.
- ✓ The Mataf can be installed on dripper lines with diameters from 16 to 32 mm and spacings of 5 to 300 cm. If required also with alternating spacings.
- ✓ For outdoor applications: in case of freezing conditions we recommend to drain the drip system to remove moisture in pipes and drippers, to prevent frost damage.