

# Kameleon dripper



The Kameleon dripper is a pressure-compensated, self-closing dripper with a low opening pressure. The pressure-compensated function provides a very uniform flow rate even with long dripper line lengths and/or short dripper spacings. Thanks to the self-closing effect, the dripper line does not drain when the pressure on the system is relieved. This prevents the line from draining even with a normal slope in the greenhouse. Thanks to these features, short irrigation cycles are possible with no loss of uniformity.

The Kameleon dripper has the unique patented Netafim labyrinth that has large passages for maximum turbulence. Each dripper has its own inlet filter. This filter and the unique labyrinth ensure outstanding protection against clogging. The pressure-regulating diaphragm of the Kameleon is made of injection-moulded silicones. This increases the uniformity of the drippers and allows cleaning using chlorine-based agents.

The Kameleon drippers have a colour coding corresponding to the flow rate.

Kameleon drippers can be supplied with the straight Prevo stake or angled Rapier stake. The Rapier stake in combination with a (short) microtube allows the line to be placed low. This greatly reduces the risk of kinking or cutting.

## APPLICATION

Kameleon drippers are best applied in modern greenhouse vegetable and flower crops where further optimizing crop conditions is key and maximum accuracy in irrigation is demanded.

## TECHNICAL DATA

Flow rate	: 1.2 l/h (brown) : 2.0 l/h (red) : 3.0 l/h (blue) : 4.0 l/h (grey) : 8.0 l/h (green)
Working pressure	: 1.0-3.5 bar
Maximum pressure	: 3.5 bar
Closing pressure	: 0.12 bar
Filtration	: 130 micron (irrigation set) : 80 micron (main filtration)
Material	: silicone diaphragm
Passage	: 0.61 mm (inlet filter) : in the form of 2 half-moons
Punch diameter	: 2.5 mm
Standard	: ISO 9261

## CHARACTERISTICS

- ✓ Pressure-compensated dripper: Uniform flow rate between 1.0 and 3.5 bar, therefore extremely suitable for longer line lengths
- ✓ Self-closing: The line remains filled with water when the valve is closed; on a slope this prevents the line draining at the lowest point
- ✓ Suitable for large irrigation sections
- ✓ Dedicated colour coding, hence easy to distinguish
- ✓ Equipped with an inlet filter
- ✓ Equipped with a silicone diaphragm
- ✓ Supplied with straight Prevo stake or angled Rapier stake

## INSTALLATION & MAINTENANCE

- ✓ Read the 'General operating instructions for dripper systems' for storage, installation and use.
- ✓ The Kameleon drippers may be flushed with acid, peroxide and/or chlorine-based agents (see 'Cleaning and important points for dripper systems').
- ✓ Because one-sided water supply is possible with Kameleon drippers, driplines can easily be flushed. Short daily flushings can be done automatically during the first drip cycle. The drippers remain closed in this case.
- ✓ 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.