

Kameleon-High dripper



The Kameleon-High dripper is a pressure-compensated, self-closing dripper with a high opening pressure. This dripper is the most advanced that Netafim offers and guarantees maximum flow rate precision. The pressure-compensated function provides a very uniform flow rate even with long line lengths and short dripper spacings. Thanks to the self-closing effect, the dripper line does not drain when the pressure on the system is relieved. Thanks to these features, short irrigation cycles are possible with no loss of uniformity.

Refreshing/flushing

The Kameleon-High is very suitable for regular flushing. Thanks to the high opening pressure, the dripper remains closed during flushing. This offers not only technical benefits such as the easy discharge of contamination but also crop benefits.

Studies have shown that oxygen in the irrigation water can disappear over time, partly due to the transformation of ammonium into nitrite. As a result, the pH value drops and this can be harmful for growth.

The Kameleon-High allows low-oxygen water to be refreshed before the irrigation cycle. If a different fertilizer composition is required or if the irrigation water in the line has become too hot, the irrigation system can again be easily flushed.

Finally the Kameleon-High also allows concentrated pesticides to be applied; the system is first filled before dosing and then the exact ratio can be set.

The pressure-regulating diaphragm of the Kameleon-High is made of injection-moulded silicone. This increases the uniformity of the drippers and allows cleaning using chlorine-based agents. The Kameleon-High drippers have a dedicated colour coding so they can be easily distinguished from the standard Kameleon drippers.

Kameleon-High 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 kept low. This greatly reduces the risk of kinking or cutting of the line. Prevo stakes also allow for gradual installation of coloured stakes.

APPLICATION

Kameleon-High are best applied in modern greenhouse vegetable and flower crops where further optimizing crop conditions is key and maximum accuracy in irrigation is demanded. This dripper is also used where there is a need to flush the dripper system.

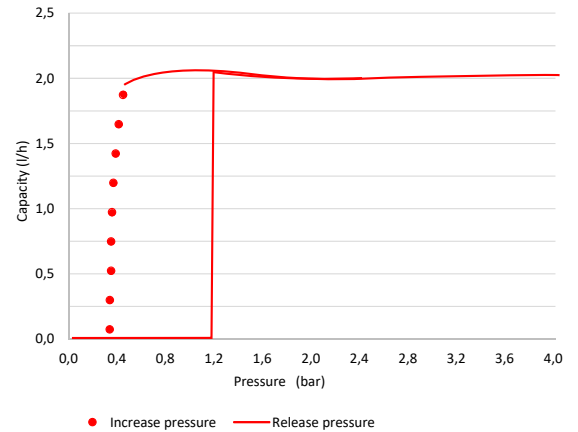
CHARACTERISTICS

- ✔ Thanks to their pressure-compensated function, drippers have a uniform flow rate between 1.5 / 1.8 and 3.5 bar, and are therefore extremely suitable for longer lengths
- ✔ Thanks to the self-closing function, the distribution line remains filled with water when the valve is closed; with a normal slope, this prevents the line draining at the lowest point
- ✔ Thanks to the high opening pressure, very suitable for flushing
- ✔ Possibility of accurate dosing of pesticides
- ✔ Very suitable for large irrigation sections
- ✔ Dedicated colour coding
- ✔ Equipped with an inlet filter
- ✔ Equipped with an RS silicone diaphragm with improved chemical resistance (since 2019)
- ✔ Supplied with straight Prevo stake or angled Rapier stake in blue or black



TECHNICAL DATA

Flow rate	: see table
Opening pressure	: 1.0 / 1.3 bar
Maximum pressure for flushing	: 0.8 bar
Closing pressure	: 0.18 bar
Filtration	: 130 micron (irrigation set) : 80 micron (main filtration)
Material	: silicone (diaphragm)
Inlet filter passage	: 0.61 mm (610 micron) : shaped by 2 half-moons
Punch diameter	: 2.5 mm
Standard	: ISO 9261

**Opening pressure Kameleon-High****Flow rate and pressure for Kameleon-High dripper**

Flow rate (l/h)	Colour	Min. working pressure (bar)	Max. working pressure (bar)	Opening pressure (bar)	Max. flushing pressure (bar)	Closing pressure (bar)
0,5	pale yellow	1,5	3,5	1,0	0,8	0,18
1,2	light brown	1,5	3,5	1,0	0,8	0,18
1,5	violet	1,8	3,5	1,3	0,8	0,18
2,0	pink	1,5	3,5	1,0	0,8	0,18
2,5	khaki	1,8	3,5	1,3	0,8	0,18
3,0	light blue	1,5	3,5	1,0	0,8	0,18
4,0	light grey	1,5	3,5	1,0	0,8	0,18



0,5 l/h



1,2 l/h



1,5 l/h



2,0 l/h



2,5 l/h



3,0 l/h



4,0 l/h

INSTALLATION & MAINTENANCE

- ✓ Read the 'General instructions for dripper systems' for storage, installation and use.
- ✓ The Kameleon-High is particularly suitable for installations that are regularly flushed. A short flushing cycle every day before the first irrigation cycle will remove any contaminants.
- ✓ The Kameleon-High drippers may be flushed with acid, peroxide and/or chlorine-based agents (see 'Cleaning and important points for dripper systems').
- ✓ On request, used drippers can be inspected at Netafim Netherlands for flow rate, opening and closing pressure and quality of the diaphragm.
- ✓ 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.