

DAN-Mamkad



The DAN-Mamkad is a plastic sprinkler for outdoor and roof irrigation, but also for improving the climate for e.g. strawberry cultivation and frost mitigation. The drop-let size prevents compaction of the soil, but also drift (movement of droplets by air currents). The DAN-Mamkad is a ball-driven sprinkler, making the sprinkler less susceptible to blockages from the outside. After use, the nozzle drops back into the housing. Clogging due to insects and soiling from the outside is thus prevented.

DAN-Mamkad sprinklers are suitable for night frost protection. The DAN-Mamkad with a "low-angle" (orange and red) nozzle is extremely suitable for spraying under crops, such as with strawberries and fruit trees.

APPLICATION

Outdoor and roof irrigation, "under-tree" irrigation, frost mitigation

CHARACTERISTICS

- ✓ Ball-driven sprinkler
- ✓ Uniform distribution at low pressure
- ✓ Three nozzle types: standard discharge, high ('long range') and low ('low angle') discharge
- ✓ Resistant to blockages from the outside
- ✓ Resistant to soiling and insects due to retraction of the nozzle
- ✓ Installation 'upright' on an agriconnector or a ½" female thread

Flow rates (l/h) vs. pressure (bar)

Version		Standard (10°)		Long range (11,5°)		Low angle (7,5°)	
Nozzle colour		Blue	Yellow	Violet	Black	Orange	Red
Pressure (bar)		(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
2,0	bar	135	180	225	270	180	225
3,0	bar	165	220	275	330	220	275
4,0	bar	192	255	320	383	255	320
2,5 - 5,0*	bar	135	180	225	270	180	225
Max. spray height	m	0,75	1,10	1,05	1,25	0,60	0,65
Diameter	m	13-14	14	15	16	13	13

* Pressure-compensated

TECHNICAL DATA

Flow rate	: see table
Range	: see table
Rec. working pressure	: 2.0 bar, not pressure-compensated
Working pressure	: 2 - 4 bar, not pressure-compensated (with increasing flow rate)
	: 2.5 - 5 bar, pressure-compensated
Filtration	: 300 micron
	: 200 micron with automatic filters
Connection	: ½" BSP male
Option	: pressure-compensated (grey lower housing)
	: road protector (for 180° use)

INSTALLATION & MAINTENANCE

Installation

- ✓ For installation recommendations, see the tables on outdoor, roof and frost mitigation.
- ✓ Along the edges, a road protector can be used to achieve a 180° spray pattern.
- ✓ Thoroughly flush the installation before operation.

Maintenance

- ✓ For cleaning of the sprinklers, please refer to information sheet "Installation and maintenance of sprinkler system", section: Cleaning instructions.
- ✓ Regularly check if the working pressure is set correctly.
- ✓ When there is a risk of frost, we recommend draining the system in order to avoid damage.
- ✓ When replacing the yellow nozzle, pay attention to the correct choice between model no. 14 (with tabs) or no. 16.