Nylon sprinklers

Nylon sprinklers for horticultural applications with 3/8 WW or M11 connection. The sprinklers are colour coded according to the flow rate. The sprinklers are resistant to commonly used chemicals in greenhouse horticulture. Nylon sprinklers are used when a small range with a high flow rate is required and a reduced distribution is accepted. Strip irrigation sprinklers are specifically intended for use in narrow cultivation beds.

Four types of nylon sprinklers are available:

- Standard sprinkler for full-width irrigation
- T-model sprinkler (with red deflector) for strip irrigation, including narrow cultivation beds
- Mist sprinkler with white or orange deflector
- White blind sprinkler for capping the sprinkler nozzle

APPLICATION
Irrigation and mist spraying of horticulture crops

CHARACTERISTICS
- 8 different flow rates with corresponding colour coding
- Supplied as standard with 360° spray pattern
- In combination with VDL extension lines and VDL non-return valves

TECHNICAL DATA

Flow rate	: see table
Working pressure	: 1 - 2 bar (standard sprinkler - with increasing flow rate)
	: 1 - 2 bar (strip sprinkler - with increasing flow rate)
	: 2.5 - 5 bar (mist sprinkler - with increasing flow rate)
	: 5 - 10 bar (high-pressure mist sprinkler - with increasing flow rate)
Filtration	: 200 micron (standard and T-model)
	: 80 micron (mist)
	: 130 micron with automatic filters (standard and T-model)
	: 50 micron with automatic filters (mist)
Material	: nylon
Connection	: 3/8 WW or M11
Option	: The blue mist sprinkler is available with an orange deflector. This has a horizontal discharge (e.g. for root irrigation)

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Flow rate of standard nylon sprinklers

Colour	Brown	Green	Grey	Blue	Red	Orange	Black
Diameter (mm)	1,75	2,00	2,25	2,50	2,75	3,00	3,25
Pressure (bar)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
1,0	65	91	115	142	172	205	241
1,5	80	112	141	175	211	251	295
2,0	93	129	163	202	244	290	340

Range of nylon sprinklers (at 2.2 meters height)

Colour	Brown	Green	Grey	Blue	Red	Orange	Black
Pressure (bar)	(mtr)	(mtr)	(mtr)	(mtr)	(mtr)	(mtr)	(mtr)
2,0	1,50	1,75	2,00	2,25	2,50	2,50	2,50

Flow rate of T-model nylon sprinklers

Colour	Brown-red	Green- red	Grey-red	Blue-red
Diameter (mm)	1,75	2,00	2,25	2,50
Pressure (bar)	(l/h)	(l/h)	(l/h)	(l/h)
1,0	65	91	115	142
1,5	80	112	141	175
2,0	93	129	163	202

Flow rate of nylon mist sprinklers

Colour	Grey-white	Blue-white	Red-white	Black-white	Blue-orange
Diameter (mm)	0,75	1,00	1,25	1,50	1,00
Pressure (bar)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
2,5	-	39	61	88	39
5,0	28	50	79	113	50
10,0	43	-	-	-	-

INSTALLATION & MAINTENANCE

Installation
- ✓ Installation both downwards and upright.
- ✓ The use of drain valves is recommended (standard and strip sprinklers).
- ✓ Combination possible with VDL extension lines or VDL non-return valves.
- ✓ Due to the type of sprinkler it is not possible to calculate the uniformity of the irrigation.
- ✓ Flush the installation well before putting into operation.

Maintenance
- ✓ For cleaning of the sprinklers, please refer to chapter "Installation and maintenance of sprinkler system", Cleaning instructions.
- ✓ Check at regular intervals if the correct working pressure is still set.
- ✓ Regularly check the uniformity of the irrigation installation.

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