

# DAN

## Bridgeless S



The DAN Bridgeless S has been specially developed to meet the high demands of Dutch greenhouse horticulture. The know-how and experience with the predecessor, the "Bridgeless", have been incorporated into this new Bridgeless S. The uniformity has been improved and the form of the swivel has been modified. This now has the form of an 'S'. There are 2 different rotor models, depending on the flow rate of the nozzle, in order to achieve the optimal uniformity.

The recommended free space above the sprinkler is 40-55 cm due to the slightly higher upwards discharge than the DAN Bridgeless.

### APPLICATION

The Bridgeless S is predominantly used for flowers, vegetables and potted plants cultivation where there is sufficient space between sprinkler and top of the crop and where a high uniformity is required. The Bridgeless S works best in combination with a suspended.

### CHARACTERISTICS

- ✓ Suitable for applications where a high uniformity is required
- ✓ Six different flow rates
- ✓ Safe application in combination with assimilation lighting (suspended required)
- ✓ Available with 7 mm clamp and Bayonet-variant

### Flow rate (l/h) and free space (cm)

Nozzle colour	Brown	Grey	Green	Orange	Black	Blue
Swivel colour	Grey	Grey	Grey	Grey	Black	Black
Free space (cm)	40	40	45	45	55	55
Pressure (bar)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
1,5	35	60	91	103	140	180
2,0	43	70	105	120	160	200
2,5	48	78	118	133	180	220
3,0	53	85	130	147	190	245

### TECHNICAL DATA

Flow rate	: see table
Spraying profile	: up to 5.2 meters
Recommended working pressure	: 2.0 bar
Working pressure	: 1.5 - 3 bar* (increasing flow rate)
Filtration	: 130 micron (brown and grey nozzles)
Material	: 200 micron (other nozzles)
Connection	: acetal
Option	: 7 mm clamp, bayonet : anti-mist

\* *The recommended operating pressure is 2 bar. Increasing the pressure results in lower uniformity and increased wear.*

### INSTALLATION & MAINTENANCE

#### Installation

- ✓ For installation recommendations, see table 'Greenhouse irrigation' and 'Tunnel irrigation'.
- ✓ Ensure a minimum free space above the sprinkler of 40 cm (40 to 90 l/h), 45 cm (105 and 120 l/h) and 55 cm (160 and 200 l/h).
- ✓ In order to limit the "irrigation shadow" of the lateral, we recommend installation of the 160 and 200 l/h sprinkler on a suspended of min. 60 cm in length.
- ✓ Always install an additional sprinkler at the end of the line.
- ✓ Along the façade, a façade sprinkler is recommended i.e. a DAN-7955 (180° sprinkler) with half the flow rate and with the same spacing as the Bridgeless-S (mounted directly into the line, no suspended).
- ✓ Flush the installation thoroughly before operation.

#### Maintenance

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