

# DAN Turbojet



The DAN Turbojet is a plastic sprinkler with a low flow rate and a fixed deflector. There are various deflectors that can bundle the water, for example, in strips or jets.

## APPLICATION

- ✓ Outdoor cultivation (biological) of e.g. fruit vegetable crops (in PVC line, spacing 75 cm)
- ✓ Cultivation of hard and soft fruit (with PE line and spike, spacing 1-2 meters)
- ✓ For example, under rose beds to improve the climate
- ✓ In cultivation beds with substrate (in PVC, spacing 75 cm)

## CHARACTERISTICS

- ✓ Low flow rate with various deflectors
- ✓ Fitted with labyrinth: less susceptible to clogging
- ✓ Suitable for long lengths and large irrigation sections

## TECHNICAL DATA

Flow rate	: see table
Diameter	: see table (following page)
Recommended pressure	: 1.4 bar
Working pressure	: 1.0 – 3.5 bar (with increasing flow rate)
Filtration	: 130 micron
	: 100 micron with automatic filters
Material	: acetal (sprinkler)
Connection	: clamp 5 mm, barb 4/7 mm
Connection with butterfly	: 3/8 WW, M11
Option	: pressure compensated (1.5 – 3.5 bar)

## Flow rate (l/h) vs. pressure (bar)

Nozzle colour	Black	Orange	Blue	Violet	Green	Red
Nozzle diameter	0,8	1,0	1,15	1,3	1,4	1,65
Pressure						
(bar)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
1,0	16	23	31	40	48	62
1,4	19	28	37	47	57	76
2,0	23	33	43	56	69	88
2,5	25	36	47	63	75	98
3,0	27	38	50	69	80	105
3,5	29	41	53	74	85	111

## INSTALLATION & MAINTENANCE









### Installation

- ✓ With PE line, microtube and spike
- ✓ Installed directly in the PE line or PVC line
- ✓ Flush thoroughly before operation
- ✓ For PE application the punch size is 3.2 mm (71850-105890 DAN hand punch 3.2 mm).

### Maintenance

- ✓ For cleaning of the sprinklers, please refer to section "Installation and maintenance of sprinkler system", cleaning instructions.
- ✓ Check at regular intervals if the correct working pressure is still set.

## DAN Turbojet configuration overview

	Strip (with jets)		Downwards		Flat (no jets)		Strip, flat (no jets)	
								
Pressure (bar)	1,4	2,0	1,4	2,0	1,4	2,0	1,4	2,0
Nozzle (colour)	∅ (m)	∅ (m)	∅ (m)	∅ (m)	∅ (m)	∅ (m)	∅ (m)	∅ (m)
Black	2,7	3	2,8	3	2,2	2,2	2,3	2,4
Orange	3	3,7	3,2	3,8	2,3	2,4	2,4	2,5
Blue	3,7	4,2	3,8	4,8	2,4	2,6	-	-
Violet	4,2	5,4	4,6	5,2	2,6	3	-	-
Green	4,2	5,4	4,9	5,4	2,8	3,2	-	-
Red	4,8	6,1	5,2	5,8	3	3,4	-	-

DAN Turbojet overview with different deflectors at 25cm height.