



# Miniature nozzles for kegs and drums

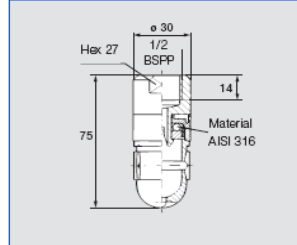
## Plastic versions

### Series 500.186/500.191



#### Mini Whirly series 500.186

- Robust design, especially reliable in operation
- 300° spray angle
- Material: POM
- Stainless steel ball bearing AISI 316



**Max. spray diameter:**  
1 - 1,5 m

**Operating pressure:**  
1 - 2 bar

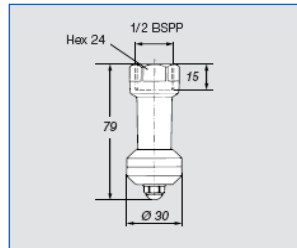
**Temperature range:**  
50 °C

Spray angle	Ordering no.	E ø [mm]	Connec-tion	Flow rate [l/min]				Length [mm]	Maximum width [mm]
				Δ p [bar]	Δ p <sub>max</sub> = 5 bar	40 psi [US gal/min]			
300°	500.186.56.AH	1,0	1/2"	13	18	22	5,5	75	30

E = Engster Querschnitt.

#### Micro Whirly series 500.191

- Inexpensive rotating head
- Good corrosion resistance
- 360° and partial coverage
- Material: PVDF
- Slide bearing
- All materials are FDA-conform



**Max. spray diameter:**  
1 - 1,5 m

**Operating pressure:**  
1 - 2 bar

**Temperature range:**  
90 °C

Spray angle	Ordering no.	E ø [mm]	Connec-tion	Flow rate [l/min]				Length [mm]	Maximum width [mm]
				Δ p [bar]	Δ p <sub>max</sub> = 5 bar	40 psi [US gal/min]			
180°	500.191.5E.02	1,0	1/2"	9	13	16	4	79	30
180°	500.191.5E.01	1,0	1/2"	9	13	16	4	79	30
360°	500.191.5E.00	1,0	1/2"	14	20	24	6,2	79	30

E = Engster Querschnitt.

**Please note:** We do not recommend the operation with compressed air. Higher pressure generally means higher wear and smaller droplets. This might have adverse effects on the cleaning result. We recommend the use of a line strainer 0,3 mm/50 mesh.

#### Common features of these series

- Very compact design
- Self rotating
- Driven and lubricated by the cleaning fluid
- Operate in every position

#### Applications

- Kegs
- Cans
- Autoclaves
- Barrels
- Machines

