Rotation Nozzle »MicroWhirly«
Series 566 – ATEX version
Stainless steel version

NEW: With ATEX approval

See page 7.

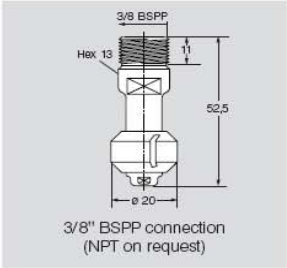
- Only 20 mm diameter to insert in small openings
- Excellent cleaning power
- Stainless steel AISI 316 L
- Durable PEEK Slide Bearing, electrically conductive
- Slip-on pin mounting for 3/4" diameter tubing
- Operating instructions (Ord. no. 095.009.00.14.85.0) are included in delivery

Applications:
Cleaning of
- Kegs
- Barrels
- Cans
- Autoclaves
- Machines

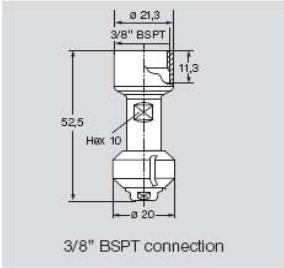
Max. tank diameter:
1 - 1,5 m

Operating pressure:
1 - 2 bar

Installation:
Operation in every direction is possible



3/8" BSPP connection
(NPT on request)



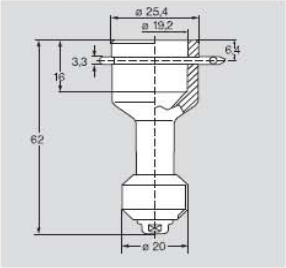
3/8" BSPT connection

Spray-angle	Ordering number: Type	Connection 3/8" BSPP*	Connection 3/8" BSPT	Connection 3/4" Slip-on	E Ø [mm]	Flow rate V̇ [l/min] △p [bar] (△pmax = 6 bar) 1	2	3	40 psi [US gal./ min]
180°	566.873.1Y.XX.EX	AE	AF	TF	2.4	12	15	18	4.7
	566.933.1Y.XX.EX	AE	AF	TF	2.4	15	21	26	6.5
180°	566.874.1Y.XX.EX	AE	AF	TF	2.4	12	15	18	4.7
	566.934.1Y.XX.EX	AE	AF	TF	2.4	15	21	26	6.5
360°	566.879.1Y.XX.EX	AE	AF	TF	2.4	12	15	18	4.7
	566.939.1Y.XX.EX	AE	AF	TF	2.4	15	21	26	6.5

E = Narrowest free cross-section · *NPT on request

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. For further ordering data please turn to your Lechler contact person. In order to protect the bearing a line-strainer with a mesh size of 0.3 mm/50 mesh is recommended.

Example for ordering:	Type	+	Connection	=	Ordering no.
	566.873.1Y.XX.EX	+	AE	=	566.873.1Y.AE.EX



Slip-on connection
(incl. R-Clip, made of stainless steel AISI 316 L,
Ord. no. 095.022.1Y.50.94.E)

ATEX approval

The Type **MicroWhirly** – Series 566 conforms to the requirements of the Directive 94/9/EG (ATEX) covering equipment and safety systems for correct use in locations where there is an explosion hazard, and can be used for cleaning rooms. This also applies to rooms in which reaction media with a tendency to explode are present in solid, dust or gaseous form. Due to its design, the specified safety measures and the strict observance of these operating instructions, the rotating nozzle represents no potential ignition source.

Unit group, category, zones:
Ⓔx II 1 GD c T4 T 120 °C +5 °C ≤ Ta ≤ +90 °C **for zone 0, 1, 2 (gas atmosphere)**
for zone 20, 21, 22 (dust atmosphere)

The cleaning units in the scope of validity of these operating instructions are certified for the following temperature classes in accordance with the ATEX requirements.

T-Class (flammable gas)	Temperatures: Highest temperature value of the Temperature Class	Maximum surface temperature of the cleaning unit (80 % of the maximum temperature value of the T-Class)	Maximum temperature of cleaning agent and container during cleaning
T4	135 °C	108 °C	90 °C