



Rotating cleaning nozzle »MicroWhirly« Series 566

Series 566

The MicroWhirly, with effective flat fan nozzles, is licensed for contact with food. Thanks to the robust slide bearing made from PEEK, the MicroWhirly has a particularly long service life. The MicroWhirly is alternatively available with an internal or external thread and in an ATEX version, which allows it to be adapted to a wide range of uses.



Function video

Scan the QR-code or go to:
www.lechler.com/microwhirly



Max. tank
diameter [m]

0 1 2 3 4 5 6 7 8 9



Materials

316L SS, PEEK,
PEEK ESD (ATEX
version only)



Max. temperature

130 °C
90 °C ATEX Version



Recommended operating pressure

2 bar



Installation

Operation in every
direction is possible



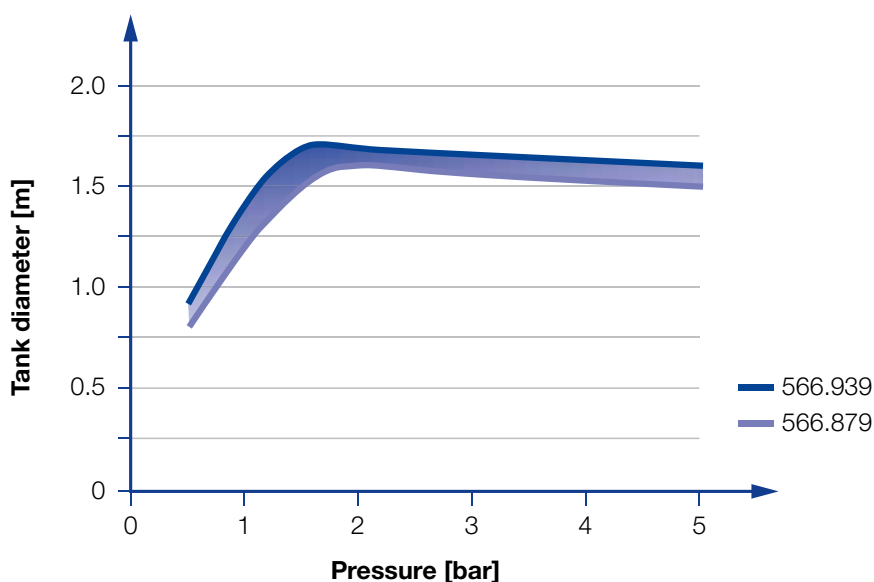
Filtration

Line strainer with
a mesh size of
0.3 mm/50 mesh

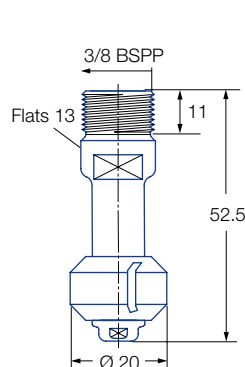


Bearing

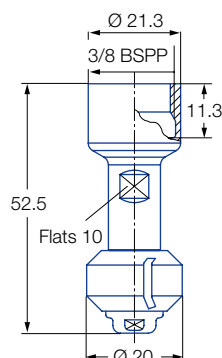
Slide bearing made
of PEEK



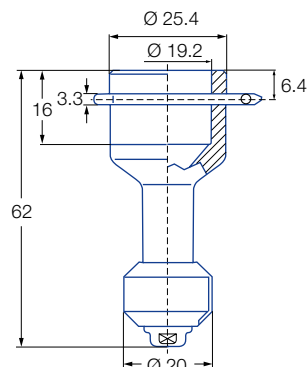
Overview of the tank diameter, depending upon the pressure of series 566



Male thread



Female thread


Dimensions slip-on connection
according to ASME-BPE (OD-tube)

Spray angle 	Ordering number				E Ø [mm]	V̇ [l/min]				Max. tank diameter [m]
	Type	Connection				p [bar] (p _{max} = 6 bar)				
		3/8 BSPP* male	3/8 BSPP* female	3/4" Slip-on		1	2	3	at 40 psi [US gal/min]	
180° 	566.873.1Y	AE	AF	TF	1	12	15	18	5	1.6
	566.933.1Y	AE	AF	TF	2.4	15	21	26	7	1.7
180° 	566.874.1Y	AE	AF	TF	1	12	15	18	5	1.6
	566.934.1Y	AE	AF	TF	2.4	15	21	26	7	1.7
360° 	566.879.1Y	AE	AF	TF	1	12	15	18	5	1.6
	566.939.1Y	AE	AF	TF	2.4	15	21	26	7	1.7

E = narrowest free cross-section · * NPT and weld-on version on request

The maximum tank diameter shown above applies for the recommended operating pressure and is indicative only. The cleaning result is also affected by the type of soiling.

Information on operation

- Operation with compressed air only for short-term usage. Operation above the recommended operating pressure has negative effects on the cleaning result and wear.

Slip-on information

- R-clip made of 316L SS is included (Ordering no.: 095.022.1Y.50.94.E).
- Depending on diameter of the adapter the flow rate can increase due to leakage between connecting pipe and rotating cleaning nozzle.

Example of ordering with ATEX approval. No FDA and (EC) 1935/2004 conformity.

Unit group/category/zones:

- Ex II 1G Ex h IIB T6...T3 Ga
- Ex II 1D Ex h IIIC T85 °C...T150 °C Da

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

Example of ordering with FDA and (EC) 1935/2004 conformity.

All Materials are suitable for
contact with food.



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

ATTENTION: For the **ATEX** version of the slip-on connection the code for the connection changes.
For a 566.873.1Y.**TF.07** with ATEX the order number changes to 566.873.1Y.**TF.EX**