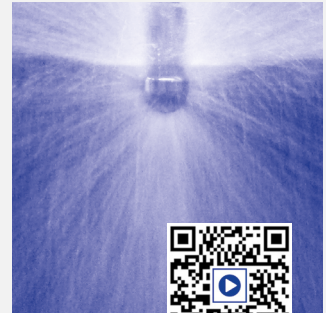




Rotating cleaning nozzle »MicroSpinner« Series 5MC

Series 5MC

The innovative slot design gives the MicroSpinner its high degree of effectiveness. Due to the modern bearing construction, it is particularly reliable and durable. The MicroSpinner is made entirely from stainless steel and designed for use also at high temperatures. Apart from stainless steel, it is also available in Hastelloy and in many flow rates.



Function video

Scan the QR-code
or go to:
www.lechler.de/SpinnerGB



Max. tank diameter [m]

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9



Materials

Stainless steel
316L SS,
Stainless steel
440C SS
Hastelloy C22,
Hastelloy C276



Max. temperature

140 °C



Recommended operating pressure

2 bar



Installation

Operation in every direction is possible



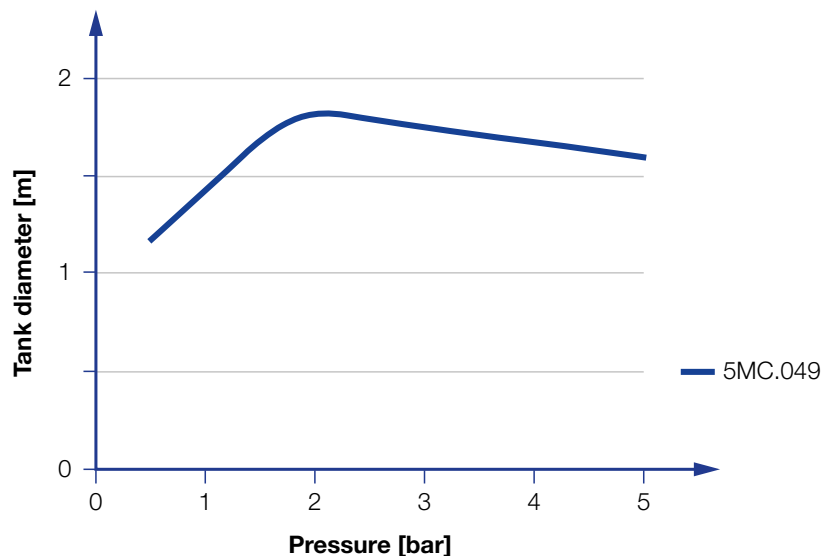
Filtration

Line strainer with a mesh size of 0.1 mm/170 Mesh

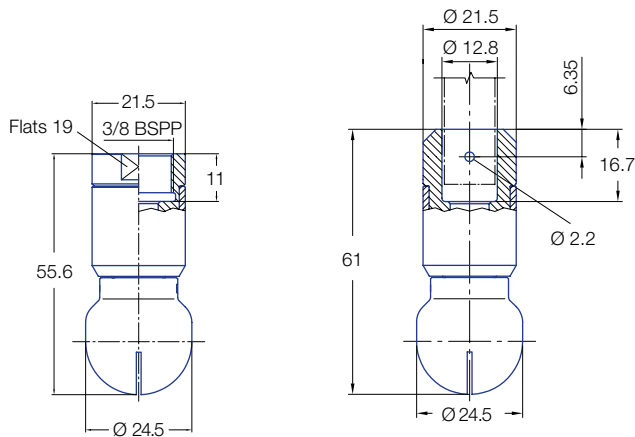


Bearing

Double ball bearing made of 440C SS
Double ball bearing made of C276







Overview of the tank diameter, depending upon the pressure of series 5MC



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	Mat. no.		Connection			p [bar] (p _{max} = 5 bar)				
		1Y 316L SS	21 Hastelloy C22	3/8 BSPP	1/2" Slip-on		1	2	3	at 40 psi [US gal./min]	
60° 	5MC.022	○	○	AF	TF05	1.0	16	23	28	7	-
	5MC.042	○	○	AF	TF05	3.0	28	40	49	12	-
180° 	5MC.004	○	○	AF	TF05	0.8	22	32	39	10	1.8
360° 	5MC.049	○	○	AF	TF05	0.9	28	39	48	12	1.8

E = Narrowest free cross-section
NPT, more slip-on sizes and weld-on versions 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 means higher wear and smaller droplets. This might have adverse effects on the cleaning result.




Slip-on information

- R-clip is included.
Mat. no. 1Y: R-clip made of stainless steel 316L SS (Ordering no. 095.013.1E.05.59).
Mat. no. 21: R-clip made of Hastelloy C22 (Ordering no. 095.013.21.06.03)
- 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. FDA and (EC) 1935/2004 conform.
Only material 316L SS available with ATEX-approval.

Unit group / category / zones:
II 1 GD c IIB TX



Specific operating instructions TX:
T_a 4°C to 120°C
T_{medium} 4°C to 95°C

Example of Ordering: 5MC.022 + 1Y + AF = 5MC.022.1Y.AF.EX

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

All Materials are suitable for contact with food.

Example of Ordering: 5MC.022 + 1Y + AF = 5MC.022.1Y.AF

Attention: for the ATEX version of the slip-on connection the code for the connection changes. Example of ordering slip-on connection: 5MC.042.1Y.TF.EX