

Rotating cleaning nozzle NanoSpinner 2 Series 5M1



Features:

- Compact design for confined spaces
- Hygienic design
- Suitable for high temperatures
- Completely made of stainless steel 1.4404 (316L) or 2.4602 (Alloy 22)



Function video
www.lechler.com/de-en/medialibrary/videos-general-industry
 Or scan the QR code.

Series 5M1

Technical data:



Maximum operating temperature
 200 °C
 95 °C (ATEX)



Maximum ambient temperature
 250 °C
 200 °C (ATEX)



Installation
 Operation in every installation position



Bearing
 Double ball bearing made of stainless steel 1.4404 (316L) or 2.4602 (Alloy 22)



Material
 Stainless steel 1.4404 (316L) or 2.4602 (Alloy 22)



Weight
 20 g



Surface quality
 $Ra \leq 0.4 \mu m$



Surface quality
 $Ra \leq 0.8 \mu m$



Steam suitability
 Not suitable



Insertion diameter
 17–34 mm



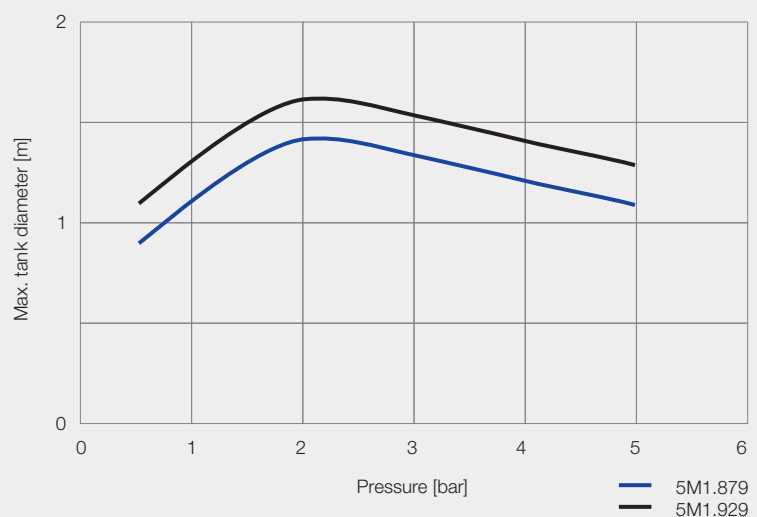
Recommended filter
 Line strainer with a mesh size of 0.1 mm/170 mesh



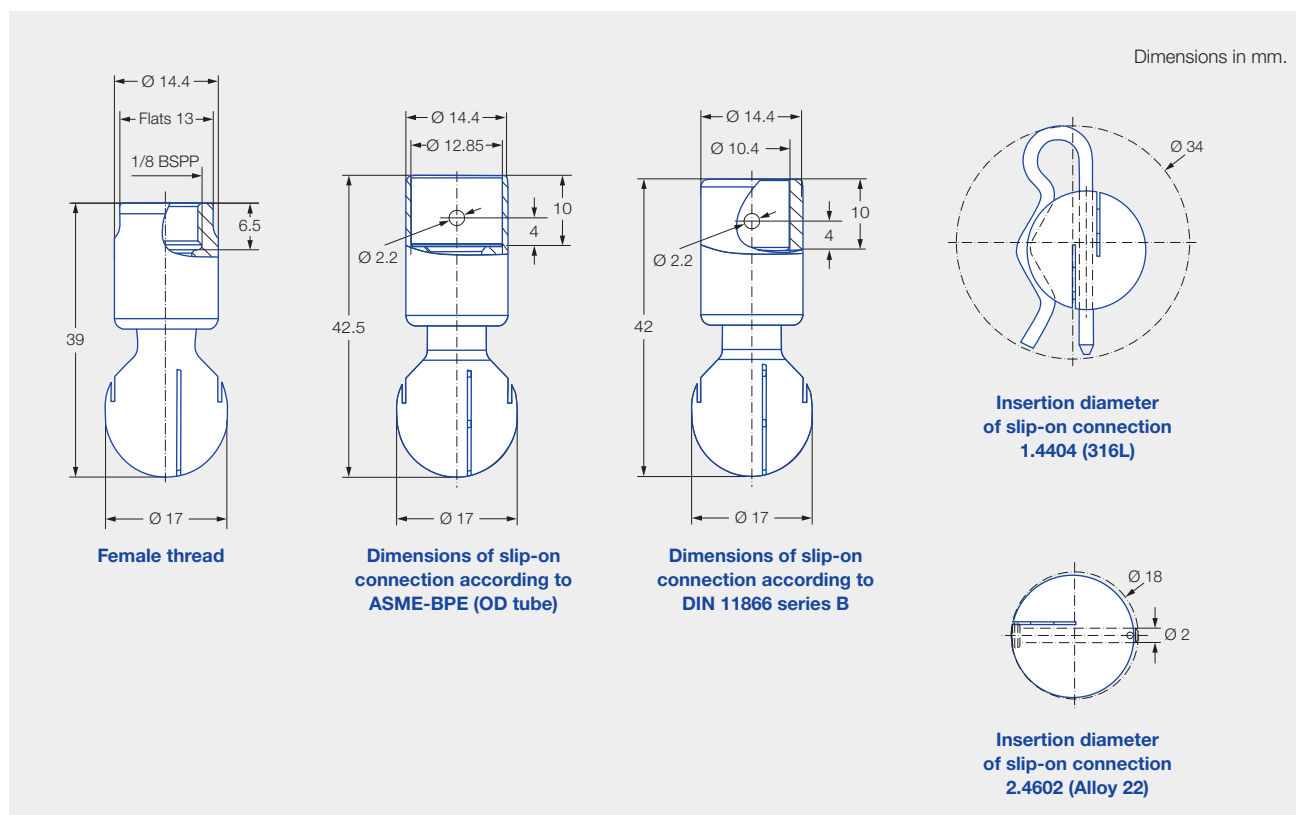
Recommended operating pressure
 2 bar



Max. tank diameter
 The specified maximum tank diameter applies to the recommended operating pressure and is indicative only. The type of soiling is also decisive for the cleaning result.



Overview of maximum tank diameter depending on pressure



Spray angle	Ordering no.						Narrowest cross- section Ø [mm]	V̇ water [l/min]			V̇ water	Max. tank diameter [m]
	Type	Mat. no.		Connection				p [bar] (p _{max} = 7 bar)				
		1Y	21					1.0	2.0	3.0		
		1.4404 (316L)	2.4602 (Alloy 22)	1/8 BSPP	Ø 10.2 mm in accordance with DIN 11866 Series B	1/2" slip-on connection					at 2 bar [m³/h]	
		1.0	2.0	3.0								
360° 	5M1.879	●	●	AB	TF04	TF05 ¹	0.4	11	15	18	0.9	1.4
	5M1.929	●	●	AB	TF04	TF05 ¹	0.5	14	20	25	1.2	1.6

¹ The connection variant TF05 is not available as an ATEX variant.

NPT threads and weld-on version on request.

Information on operation

Compressed air can be used only for a short time for blowing dry. Use above the recommended pressure will have a negative effect on the cleaning result and wear.

Information on slip-on connection

- Cotter pin made of stainless steel 1.4404 (316L) included (ordering no. 05M.130.1Y.00.00). For version made of 2.4602 (Alloy 22), bolt with head incl. cotter pin included (ordering no. 05M.131.21.00.00).
- Depending on the adapter diameter, the flow rate may increase due to the leakage between the adapter and rotating cleaning nozzle.

Ordering example with FDA and (EC) 1935/2004 conformity.

All materials are suitable for contact with food.



Type + Material no. + Connection = Ordering no.
5M1.879 + 1Y + AB = 5M1.879.1Y.AB

Ordering example with ATEX approval. FDA and (EC) 1935/2004 conformity.

Unit group/Category/Zones:

- Ex II 1G Ex h IIB T6...T2 Ga
- Ex II 1D Ex h IIIC T85 °C...T250 °C Da

Important

The code for the connection changes for the ATEX version with slip-on connection.
Ordering example for slip-on connection: 5M1.879.1Y.T0.EX



Type + Material no. + Connection + ATEX = Ordering no.
5M1.879 + 1Y + AB + EX = 5M1.879.1Y.AB.EX