

Rotating cleaning nozzle Whirly 2 Series 5W9



Features:

- Popular hygienic design
- Cleaning with effective flat fan jets
- Flexible connection options
- Available with many different flow rates and spray angles



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

Series 5W9

Technical data:



Maximum operating temperature
 150 °C
 95 °C (ATEX)



Maximum ambient temperature
 200 °C
 140 °C (ATEX)



Installation
 Operation in every installation position



Bearing
 Double ball bearing made of stainless steel



Material
 Stainless steel 1.4404 (316L), PEEK



Weight
 360–500 g



Surface quality
 $Ra \leq 0.4 \mu m$



Surface quality
 $Ra \leq 0.8 \mu m$



Steam suitability
 Not suitable



Insertion diameter
 69.5 mm



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



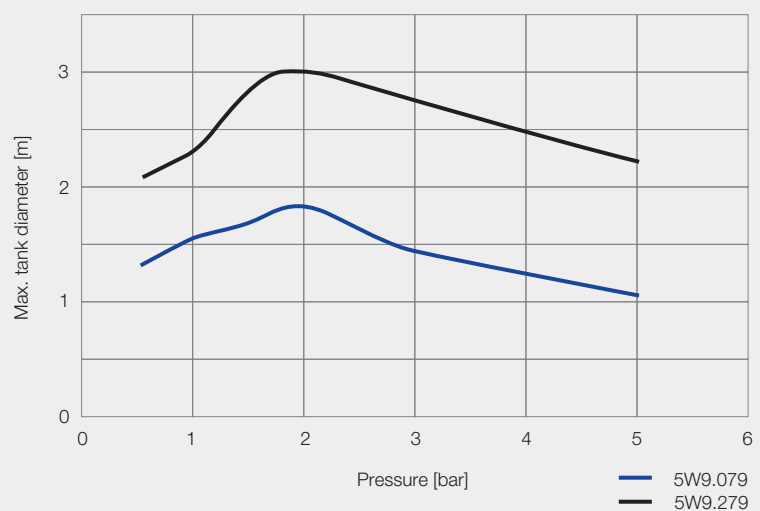
Recommended operating pressure
 2 bar



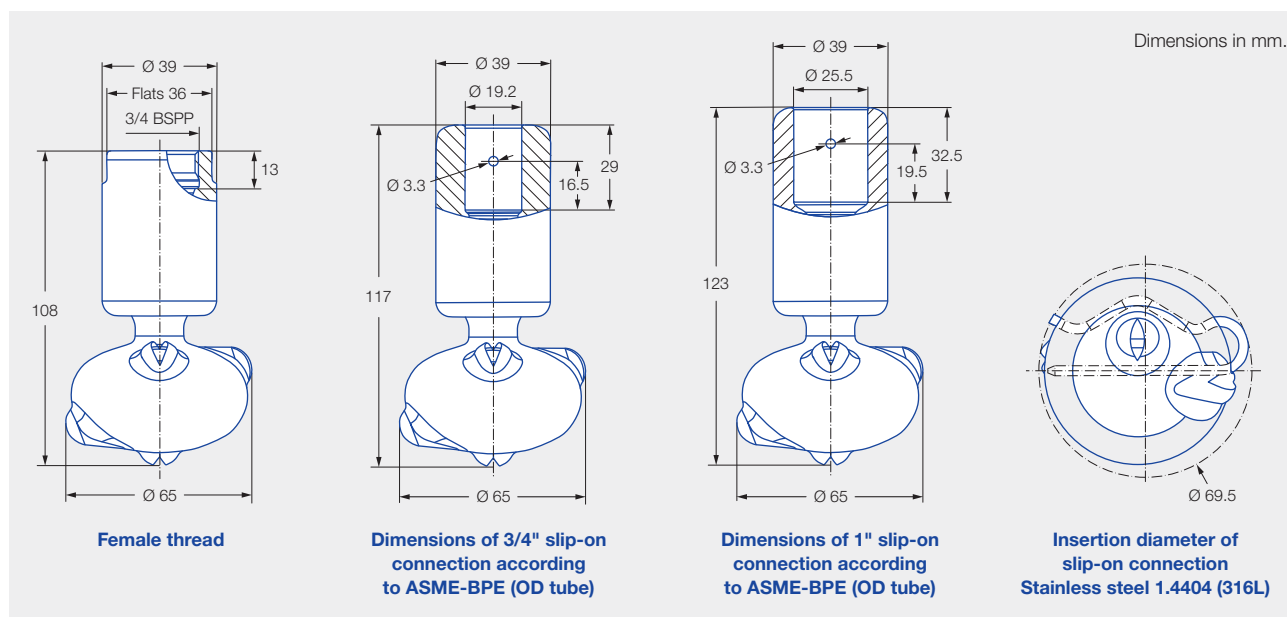
Adapter
 3/4 BSPP is compatible with HygienicFit



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	Connection				p [bar] (p _{max} = 6 bar)				
		3/4 BSPP	3/4" slip-on connection	1" slip-on connection		1.0	2.0	3.0	at 2 bar [m³/h]	
270° 	5W9.075.1Y	AL	TF07	TF10	2.0	34	48	59	2.9	1.8
	5W9.145.1Y	AL	TF07	TF10	2.8	50	71	87	4.3	2.1
	5W9.195.1Y	AL	TF07	TF10	3.3	69	97	119	5.8	2.6
270° 	5W9.076.1Y	AL	TF07	TF10	2.0	34	48	59	2.9	1.8
	5W9.106.1Y	AL	TF07	TF10	2.5	41	58	71	3.5	2.1
	5W9.196.1Y	AL	TF07	TF10	3.4	69	97	119	5.8	2.6
360° 	5W9.079.1Y	AL	TF07	TF10	1.6	34	48	59	2.9	1.8
	5W9.149.1Y	AL	TF07	TF10	2.4	50	71	87	4.3	2.1
	5W9.199.1Y	AL	TF07	TF10	3.0	69	97	119	5.8	2.6
	5W9.279.1Y	AL	TF07	TF10	3.5	103	145	178	8.7	3.0

NPT threads 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. 095.013.1Y.06.72).
- 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 + Connection = Ordering no.
5W9.075.1Y + AL = 5W9.075.1Y.AL

Ordering example with ATEX approval. 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...T170 °C Da

Important

The code for the connection changes for the ATEX version with slip-on connection.

Ordering example for 3/4" slip-on connection: 5W9.075.1Y.T2.EX

Ordering example for 1" slip-on connection: 5W9.075.1Y.T3.EX



Type + Connection + ATEX = Ordering no.
5W9.075.1Y + AL + EX = 5W9.075.1Y.AL.EX