

Static spray balls

Series 527



Features:

- Suitable for the highest hygiene requirements due to 3-A certification
- High surface quality
- Suitable for very high temperatures



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

Series 527

Technical data:



Maximum operating temperature
200 °C



Maximum ambient temperature
250 °C



Installation
Operation in every installation position



Bearing
Static – no bearing



Material
Stainless steel
1.4404 (316L)



Weight
50–660 g



Surface quality
 $\sqrt{Ra} \leq 0.8 \mu\text{m}$
OUTSIDE



Surface quality
 $\sqrt{Ra} \leq 0.8 \mu\text{m}$
INSIDE



Steam suitability
Suitable



Insertion diameter
35–102 mm



Recommended filter
Smaller than the narrowest cross-section

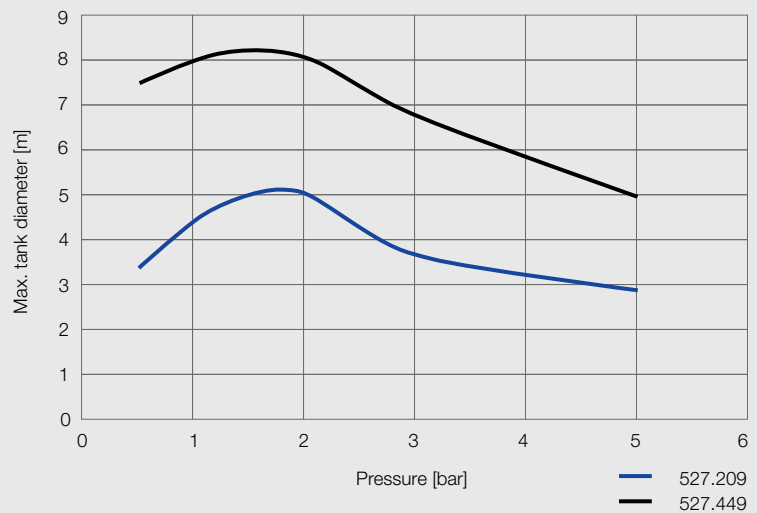


Recommended operating pressure
1.5 bar

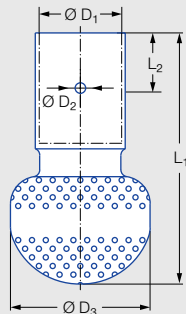


Max. tank diameter

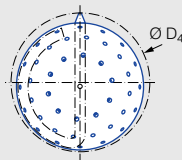
The specified maximum tank diameter applies to the recommended operating pressure and is indicative only. The type of soiling is also decisive for the cleaning result.



Overview of maximum tank diameter depending on pressure




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



Insertion diameter D_4 of slip-on connection

With the slip-on connection, the spray ball is pushed onto the customer connecting pipe and secured with the supplied cotter pin.

Spray angle	Ordering no. Type	Narrowest cross-section \varnothing [mm]	\dot{V} water [l/min]				\dot{V} water		Dimensions [mm]						Max. tank diameter [m]
			p [bar] ($p_{max} = 5$ bar)				at 1.5 bar [m ³ /h]	at 2 bar [m ³ /h]	L_1	L_2	$\varnothing D_1$	$\varnothing D_2$	$\varnothing D_3$	$\varnothing D_4$	
			1.0	1.5	2.0	3.0									
 360°	527.209.1Y.00.75	0.8	42	52	60	73	3.1	3.6	68.0	12.7	19.0	3.3	32.0	35.0	5.2
	527.289.1Y.01.50	1.1	120	147	170	208	8.8	10.2	116.0	25.4	38.3	4.9	65.0	71.0	6.0
	527.449.1Y.02.00	1.7	297	364	420	514	21.8	25.2	152.0	25.4	51.0	4.9	102.0	102.0	8.2

Information on slip-on connection

- Cotter pin made of stainless steel 1.4404 (316L) included.
- Depending on the adapter diameter, the flow rate may increase due to the leakage between the adapter and spray ball.

Information on operation

Use above the recommended pressure will have a negative effect on the cleaning result and wear.