



# Rotating cleaning nozzle “PTFE Hi Temp Whirly” Series 599

## Series 599

While PTFE can withstand high temperatures, its dimensional stability limits its range as a tank cleaning device. Lechler's design incorporates Hastelloy rings to control the expansion of the material so it can continue to operate reliably in hotter environments than normally possible. The nozzle's temperature range is actually extended, since it can perform equally well under normal conditions.



To see video

Scan the QR-code  
or go to:  
[www.lechlerusa.com](http://www.lechlerusa.com)



**Max. tank diameter [ft]**

0



10

20



**Material**

PTFE  
Rings: Alloy C-276



**Max. temperature**

274°F/ 134°C



**Recommended operating pressure**

30 psi



**Installation**

Operates in every direction



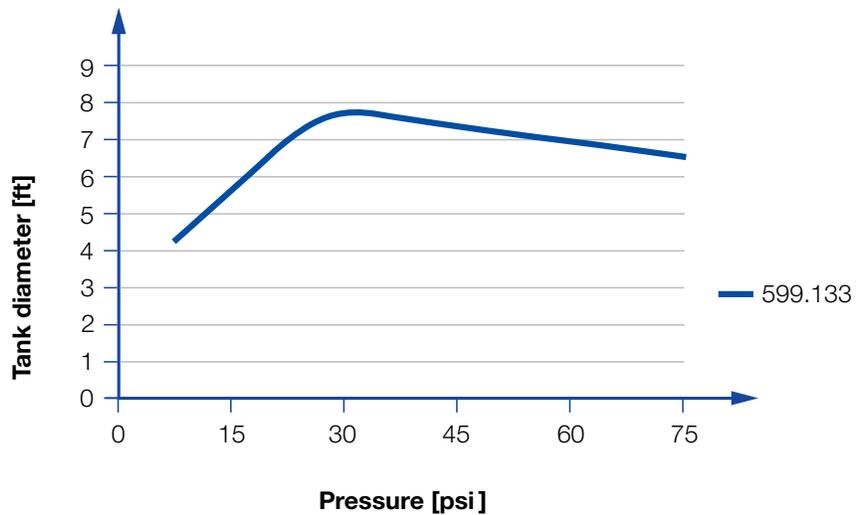
**Filtration**

Line strainer with a mesh size of 50 Mesh

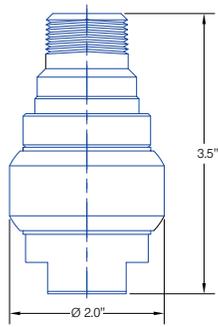


**Bearing**

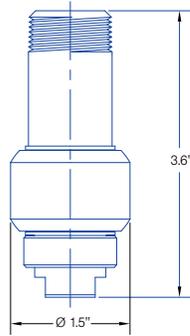
Slide bearing



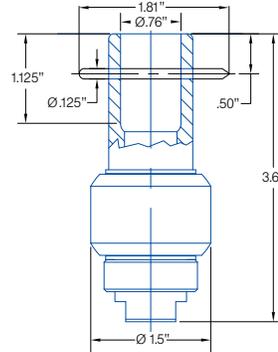
Overview of the tank diameter, depending upon the pressure of series 599



599.133



599.170



599.174 Female Tube Slip-on

Spray angle	Ordering no.	Connection		Flow Rate (Gallons Per Minute)					Max. tank diameter [ft]
		3/4" Male NPT	3/4" OD Female Slip-on	20 psi	30 psi	liters per minute 2 bar	40 psi	60 psi	
360°	599. 133. 55	BK	-	22	27	100	31	38	8.2
	599. 170. 55	BK	-	19	23	84	26	32	8
	599. 174. J7	-	TF07	19	23	84	26	32	8

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**

- We do not recommend operation of these products with compressed air or gases. However, these products have been shown to be suitable for spraying on low pressure steam (refer to Applications above). To protect the products' inner workings when spraying liquid, we suggest use of a line strainer with a 50 mesh size. For further information, please contact Lechler.

<b>Example of ordering:</b>	<b>Type</b>	<b>+</b>	<b>Connection</b>	<b>=</b>	<b>Ordering no.</b>
	599. 133. 55.	+	BK	=	599. 133. 55. BK

**Slip-on information**

- R-clip made of Alloy C-276 is included (Ordering no.: R-clip 1: 095.022.1Y.50.60.E).
- The nozzles with a slip-on connection type fitting may have a higher flow rate than listed due to the self-flushing design around the customer's tube which is inserted into the nozzle socket.

2  
Cleaning efficiency class

3  
Cleaning efficiency class

4  
Cleaning efficiency class

5  
Cleaning efficiency class

Static cleaning nozzles