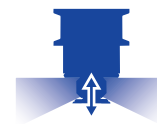


Extendable rotating cleaning nozzle PopUp Whirly Series 5P2



Features:

- Rotating cleaning nozzle extends automatically depending on pressure
- Flush wall installation possible
- Good suitability for cleaning pipes
- Particularly suitable for applications in the pharmaceutical, chemical and food industries



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

Series 5P2

Technical data:



Maximum operating temperature
 140 °C
 140 °C (ATEX)



Maximum ambient temperature
 150 °C
 140 °C (ATEX)



Installation
 Operation in every installation position



Bearing
 Slide bearing



Material
 Stainless steel 1.4404 (316L), stainless steel 1.4571 (316Ti), stainless steel 1.4401 (316), FKM



Weight
 500 g



Surface quality
 $Ra \leq 0.8 \mu m^*$
 OUTSIDE



Surface quality
 $Ra \leq 1.6 \mu m$
 INSIDE



Steam suitability
 Not suitable



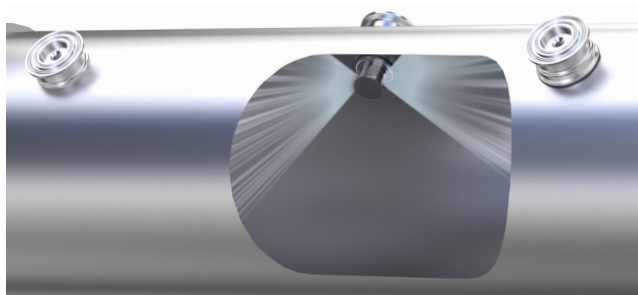
Recommended filter
 Line strainer with mesh size of 0.3 mm/50 mesh



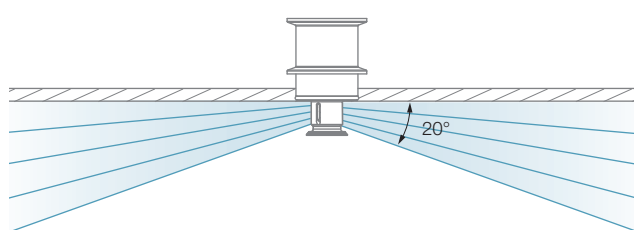
Recommended operating pressure
 2 bar
 Opening pressure approx. 1.0 bar, closing pressure approx. 0.5 bar

* Version with thread connection $Ra \leq 1.6 \mu m$

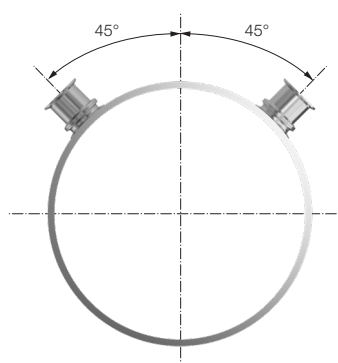
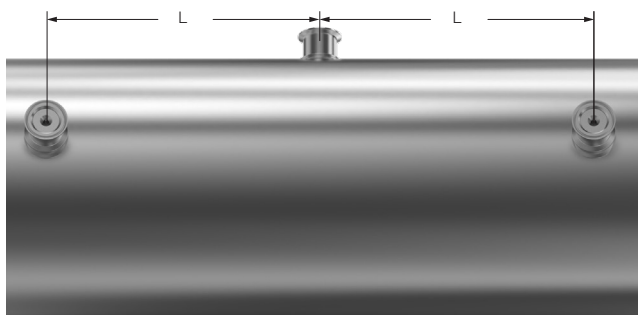
Installation example



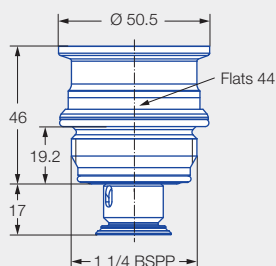
Spray distribution



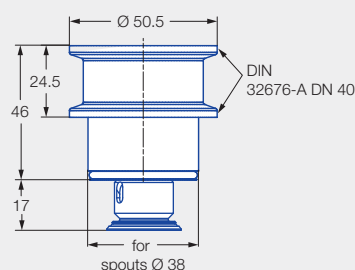
Recommendation for nozzle positioning



Type	Nozzle spacing L [m]
5P2.873	0.8
5P2.923	1.0



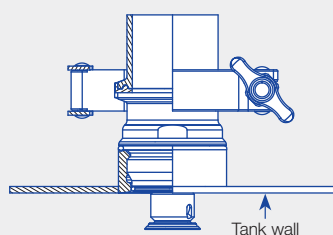
Male thread



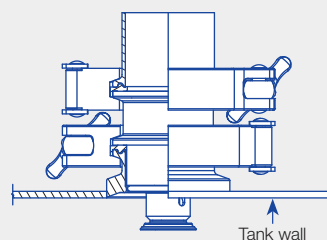
Tri-Clamp connection

Dimensions in mm

Installation situation



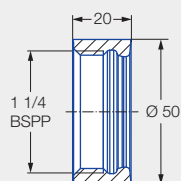
Male thread



Tri-Clamp connection

Weld-in socket for threaded connection

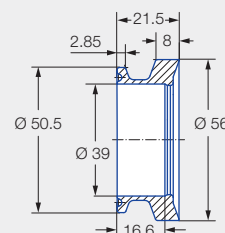
The thread is hygienically encapsulated with two O-rings (included in the scope of delivery of the PopUp Whirly).



Ordering no.: 050.020.1Y.AQ.00
Material: Stainless steel 1.4404 (316L)

Weld-in flange for Tri-Clamp connection

A joint clamp in accordance with DIN 32676-A DN 40 with a connection diameter of 50.5 mm is required for connection of the nozzle at the weld-in flange. A gasket with a thickness of 2 mm is required if the flange is used in combination with the PopUp Whirly.



Ordering no.: 050.020.1Y.01.00
Material: Stainless steel 1.4404 (316L)

Spray angle	Ordering no.			Narrowest cross-section Ø [mm]	V̇ water [l/min]			V̇ water
	Type	Connection on tank wall			p [bar] (p _{max} = 6 bar)			
		1 1/4 BSPP male	Tri-Clamp		1.0	2.0	3.0	at 2 bar [m³/h]
20° 	5P2.873.1Y	AP	00	2.5	11	15	18	0.9
	5P2.923.1Y	AP	00	3.5	14	20	25	1.2

Information on operation

The PopUp Whirly is not suitable for operation with compressed air or another gas. Use above the recommended pressure will have a negative influence on the cleaning result and wear.

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

All materials are suitable for contact with food.



Type + Connection = Ordering no.
5P2.873.1Y + AP = 5P2.873.1Y.AP

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 IIC T85 °C...T170 °C Da



Type + Connection + ATEX = Ordering no.
5P2.873.1Y + AP + EX = 5P2.873.1Y.AP.EX