

140
1879 - 2019

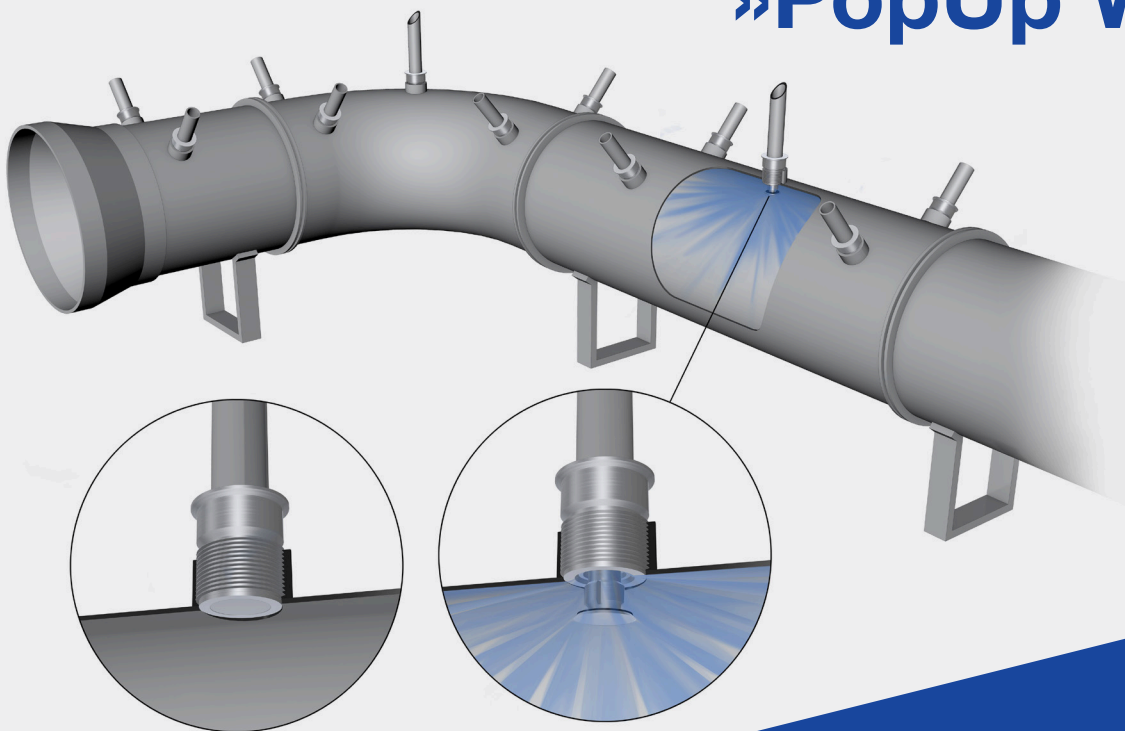
ENGINEERING
YOUR SPRAY SOLUTION



NEW

Pop-up rotating cleaning nozzles
Series 5P2/5P3 ATEX version

»PopUp Whirly«



Pops up, cleans, disappears

- Flush-mounted installation
- Pops up only for cleaning
- Perfect for confined spaces



Series 5P2/5P3

The PopUp Whirly is designed for cleaning in confined spaces and for tanks or pipelines where conventional cleaning systems could affect the process. The free-spinning rotating nozzle can be installed flush with the wall. When a certain liquid pressure is applied, the rotating cleaning nozzle of the PopUp Whirly extends automatically and starts cleaning. The PopUp Whirly is also suitable for pipe cleaning and for applications that use foam. It is particularly interesting for applications in the food and beverage industry as well as in the chemical and pharmaceutical industry. The ATEX approval makes the PopUp Whirly suitable for use in explosive areas.



	Max. tank diameter [m]	0	1	2	3	4	5	6	7	8	9
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Materials
316L SS,
316Ti SS (spring),
316 SS (snap ring),
FKM (O-rings)

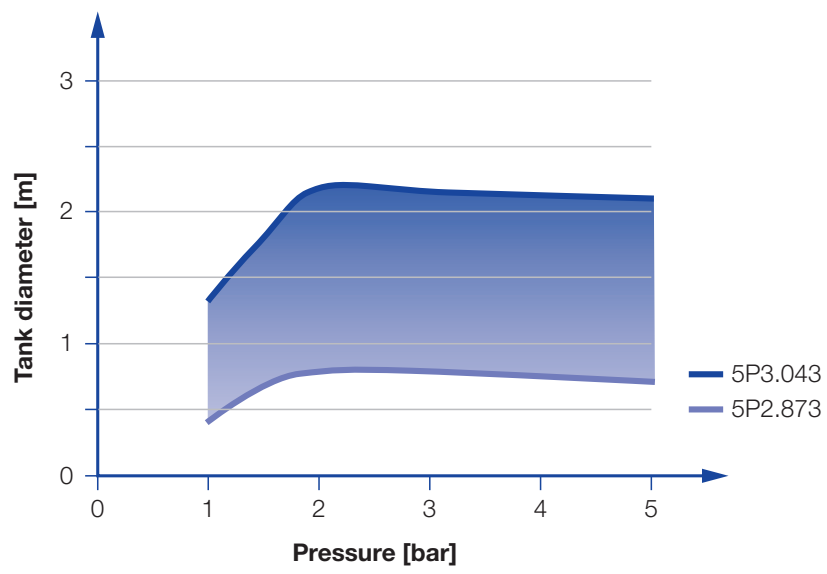
Max. temperature
140 °C

Recommended operating pressure
2 bar
5P2:
opening pressure approx. 1.0 bar
closing pressure approx. 0.5 bar
5P3:
opening pressure approx. 0.9 bar
closing pressure approx. 0.5 bar

Installation
Operation in every direction is possible

Filtration
Line strainer with a mesh size of 0.3 mm/50 Mesh

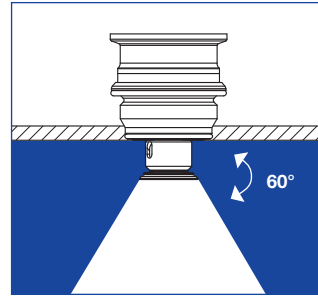
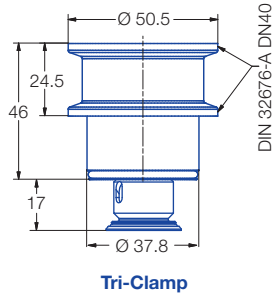
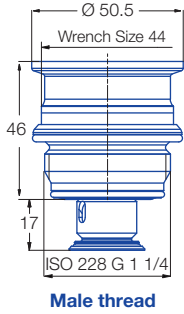
Bearing
Slide bearing made of hardened stainless steel



Overview of the tank diameter, depending upon the pressure of series 5P2/5P3



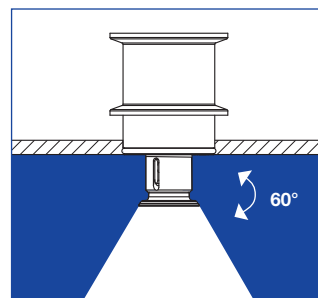
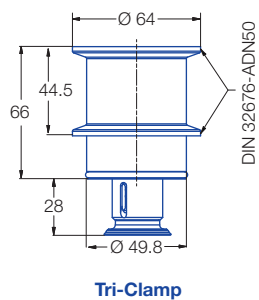
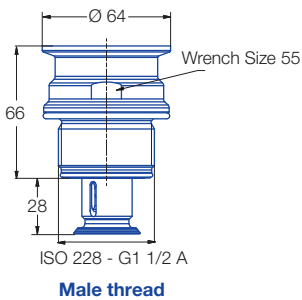
Series 5P2



Spray angle	Ordering no.	Tank connection		E Ø [mm]	V̇ [l/min]				Max. tank diameter [m]
		1 1/4 BSPP	Tri-Clamp		p [bar] (p _{max} = 6 bar)				
					1	2	3	at 40 psi [US gal./ min]	
	5P2.873.1Y.AP.EX	○	-	3.0	10.6	15.0	18.4	5	0.8
	5P2.873.1Y.00.EX	-	○	3.0	10.6	15.0	18.4	5	0.8
	5P2.923.1Y.AP.EX	○	-	3.5	14.1	20.0	24.5	6	1.0
	5P2.923.1Y.00.EX	-	○	3.5	14.1	20.0	24.5	6	1.0

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.

Series 5P3

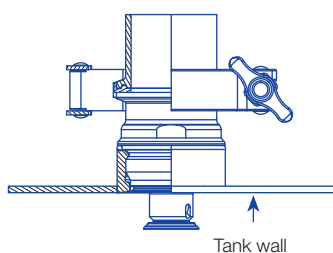


Spray angle	Ordering no.	Tank connection		E Ø [mm]	V̇ [l/min]				Max. tank diameter [m]
		1 1/2 BSPP	Tri-Clamp		p [bar] (p _{max} = 6 bar)				
					1	2	3	at 40 psi [US gal./ min]	
	5P3.043.1Y.AR.EX	○	-	3.3	28.3	40	49	12	2.2
	5P3.043.1Y.00.EX	-	○	3.3	28.3	40	49	12	2.2

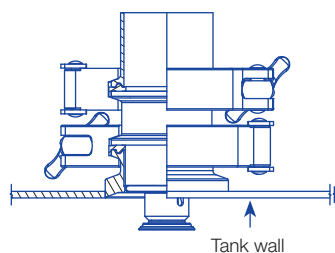
The maximum tank diameter shown above applies for the recommended operating pressure and is indicative only. The cleaning result is also affected by the type of soiling.

Nozzle installation

With thread



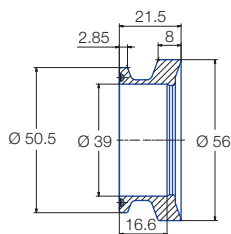
With Tri-Clamp



Information on operation

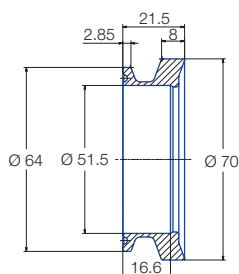
- The PopUp Whirly is not suitable for operation with compressed air or any other gas.
- Operation above the recommended operating pressure has negative effects on the cleaning result and wear.

Weld-in flange for Tri-Clamp-Version



5P2

Ord.-no. 050.020.1Y.01.00



5P3

Ord.-no. 050.020.1Y.01.01

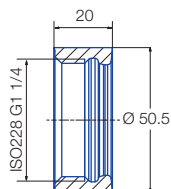
Information

Gasket with a thickness of 2 mm must be used if the PopUp Whirly is installed with this weld-in flange.

Material

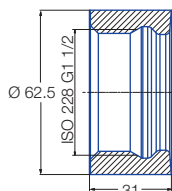
316L SS

Weld-in socket for Thread-Version



5P2

Ord.-no. 050.020.1Y.AQ.00



5P3

Ord.-no. 050.020.1Y.AS.00

Information

The thread is hygienically sealed with 2 O-rings included in the scope of delivery.

Material

316L SS

Unit group/category/zones

Ex II 1G Ex h IIB T3 Ga

Ex II 1D Ex h IIIC T140 °C Da