Extendable rotating cleaning nozzle PopUp Whirly Air
Series 5P8/5P9, Horizontal Duct

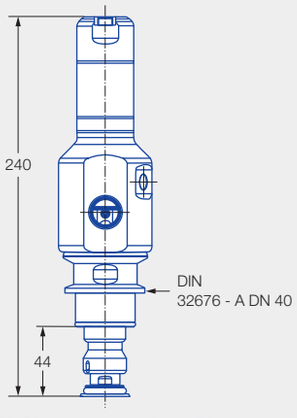
Features:

- Self-draining
- Dry blowing with compressed air possible
- Operation with steam possible (SIP)
- Vacuum in the container allowed, thanks to double-acting pneumatic cylinder
- Optional end position monitoring with sensors
- Particularly hygienic (all threads encapsulated by O-rings)

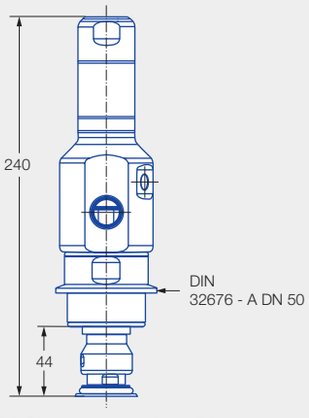




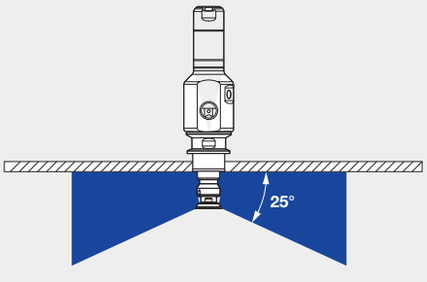
Series 5P8/5P9



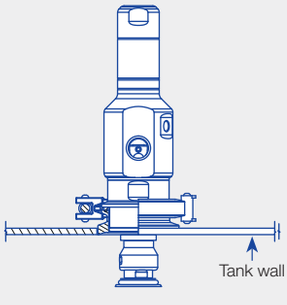
Tri-Clamp connection 5P8



Tri-Clamp connection 5P9



Installation situation/ process-side installation



Tri-Clamp connection

Contact: Lechler GmbH · Paul-Lechler-Strasse 11 · 72555 Metzingen, Germany · Phone +49 7123 962-0 · ind@lechler.de · www.lechler.com

Distribution et conseil : GEDO FRANCE
04 85 88 02 75 | tete@gedo.fr | tetelavage.gedo.fr
565 avenue du Prado - 13008 Marseille - France

Maximum operating temperature
150 °C

Maximum ambient temperature
150 °C

Installation
Operation in every installation position

Bearing
Slide bearing

Material
Process and media related:
Stainless steel 1.4404 (316L), Stainless steel 1.4571 (316Ti), PTFE, FKM oder EPDM

Weight
2.2 kg

Surface quality
Ra ≤ 0,8 µm

Surface quality
Ra ≤ 1,6 µm

Steam suitability
Suitable

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

Recommended operating pressure
2 bar
Opening pressure approx. 1.6 bar, closing pressure approx. 0.3 bar

Maintainable

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

Spray angle	Ordering no.			Narrowest cross-section Ø [mm]	V̇ water [l/min]			V̇ water
	Type	Material of the O-rings			p [bar] (p_{max} = 6 bar)			
		FKM	EPDM		1.0	**2.0**	3.0	at 2 bar [m^3/h]
25° 	**5P8.873.1Y.**	**10**	**20**	2.3	11	**15**	18	0.9
	5P8.923.1Y.	**10**	**20**	2.5	14	**20**	25	1.2
	5P8.993.1Y.	**10**	**20**	2.7	21	**30**	37	1.8
	5P9.043.1Y.	**10**	**20**	3.7	28	**40**	49	2.4
	5P9.133.1Y.	**10**	**20**	4.0	42	**60**	73	3.6

Detailed information can be found in our brochure “Tank and Equipment Cleaning” as well as at **www.lechler.com/de-en/tankcleaningnozzles.**

Recommended accessories: see page 289 (Can be ordered separately).

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

All materials are suitable for contact with food.

Type	+	Material of the O-rings	=	Ordering no.
5P8.873.1Y	+	10	=	5P8.873.1Y.10

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

Unit group/Category/Zones:
II 1G Ex h IIB T6…T3 Ga
II 1D Ex h IIIC T85 °C…T170 °C Da

Type	+	Material of the O-rings	+	ATEX	=	Ordering no.
5P8.873.1Y	+	10	+	EX	=	5P8.873.1Y.10.EX

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Distribution et conseil : GEDO FRANCE
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565 avenue du Prado - 13008 Marseille - France

Extendable rotating cleaning nozzle PopUp Whirly Air
Series 5P8/5P9, Vertical Duct & Tower

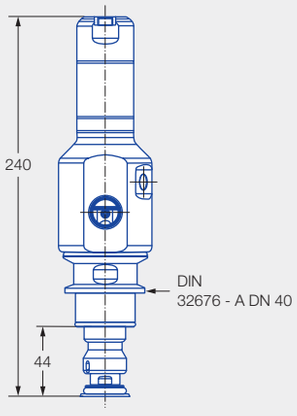
Features:

- Self-draining
- For cleaning spray shadow areas
- Dry blowing with compressed air possible
- Operation with steam possible (SIP)
- Vacuum in the container allowed, thanks to double-acting pneumatic cylinder
- Optional end position monitoring with sensors
- Particularly hygienic (all threads encapsulated by O-rings)

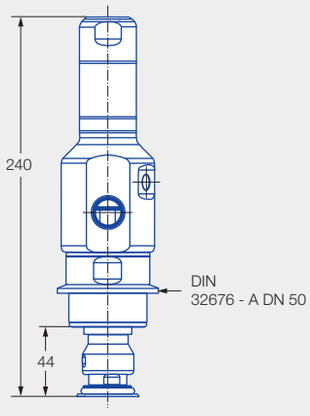




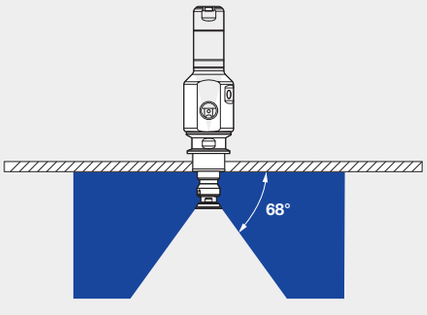
Serie



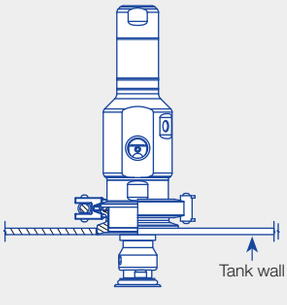
Tri-Clamp connection 5P8



Tri-Clamp connection 5P9



Installation situation/
prozessseitige Installation



Tri-Clamp connection

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Maximum operating temperature
150 °C

Maximum ambient temperature
150 °C

Installation
Operation in every installation position

Bearing
Slide bearing

Material
Process and media contacting
Stainless steel 1.4404 (316L), Stainless steel 1.4571 (316Ti)
PTFE, FKM oder EPDM

Weight
2.2 kg

Surface quality
Ra ≤ 0.8 µm

Surface quality
Ra ≤ 1,6 µm

Steam suitability
Suitable

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

Recommended operating pressure
2 bar
Opening pressure approx. 1.6 bar, closing pressure approx. 0.3 bar

Maintainable

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

Spray angle	Ordering no.			Narrowest cross-section Ø [mm]	V̇ water [l/min]			V̇ water
	Type	Material of the O-rings			p [bar] (p_{max} = 6 bar)			
		FKM	EPDM		1.0	**2.0**	3.0	at 2 bar [m^3/h]
68° 	**5P8.876.1Y.**	**10**	**20**	1.3	11	**15**	18	0.9
	5P8.926.1Y.	**10**	**20**	1.6	14	**20**	25	1.2
	5P8.996.1Y.	**10**	**20**	2.3	21	**30**	37	1.8
	5P9.046.1Y.	**10**	**20**	2.5	28	**40**	49	2.4
	5P9.136.1Y.	**10**	**20**	4.0	42	**60**	73	3.6

Detailed information can be found in our brochure “Tank and Equipment Cleaning” as well as at **www.lechler.com/de-en/tankcleaningnozzles.**

Recommended accessories: see page 289 (Can be ordered separately).

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

All materials are suitable for contact with food.

Type	+	Material of the O-rings	=	Ordering no.
5P8.876.1Y	+	10	=	5P8.876.1Y.10

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

Type	+	Werkstoff der O-Ringe	+	ATEX	=	Ordering no.
5P8.876.1Y	+	10	+	EX	=	5P8.876.1Y.10.EX

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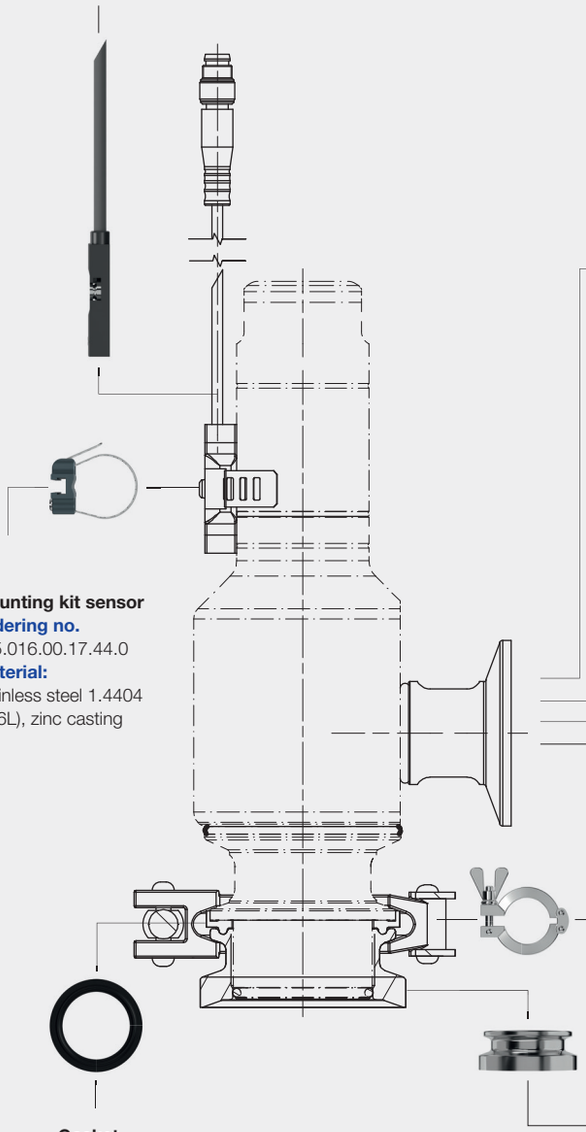
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Distribution et conseil : GEDO FRANCE
04 85 88 02 75 | tete@gedo.fr | tetelavage.gedo.fr
565 avenue du Prado - 13008 Marseille - France

PopUp Whirly Air
Series 5P8/5P9

Recommended accessories can be ordered separately.

Sensor Options
Two sensors can be used to detect both end positions (one mounting kit is required per sensor)

Sensor	Specifications	max. temperature in °C	Ordering no.
1	PNP or NPN, nO or nC, M8	85	095.009.00.18.67.0
2	ATEX, PNP, nO, M8	85	095.009.00.19.14.0
3	REED, open cable end	120	095.009.00.19.15.0



Mounting kit sensor
Ordering no.
095.016.00.17.44.0
Material:
Stainless steel 1.4404 (316L), zinc casting

Medium connection
Available medium connections, one adapter is required per PopUp Whirly Air.
Other connections are available on request.



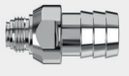
Adapter
Ordering no. 05P.830.1Y.00.01.0
Material: Stainless steel 1.4404 (316L)
Tri-Clamp DIN 32676
Outer-Ø 50,5 mm



Adapter
Ordering no. 05P.830.1Y.00.02.0
Material: Stainless steel 1.4404 (316L)
Tri-Clamp DIN 32676
Outer-Ø 64 mm



Adapter
Ordering no. 05P.830.1Y.00.03.0
Material: Stainless steel 1.4404 (316L)
Female thread
3/4 BSPP



Adapter
Ordering no. 05P.830.1Y.00.04.0
Material: Stainless steel 1.4404 (316L)
Hose connector for Inner-Ø 25 mm

Hinge Bolt Clamp

Type	Material	Ordering no.
5P8	Stainless steel 1.4408	095.016.1Y.16.52.0
5P9	Stainless steel 1.4408	095.016.1Y.16.53.0

Gasket

Type	Material	Ordering no.
5P8	FKM	095.015.79.12.24.0
	EPDM	095.015.E9.12.24.0
5P9	FKM	095.015.79.12.25.0
	EPDM	095.015.E9.12.25.0

Welding Flange

Type	Material	Ordering no.
5P8	Stainless steel 1.4404 (316L)	050.020.1Y.01.00.0
5P9	Stainless steel 1.4404 (316L)	050.020.1Y.01.01.0

Weld flanges adapted to pipe curve are available on request.

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