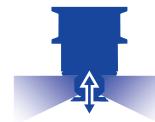


>> Extendable rotating cleaning nozzle PopUp Whirly Air Series 5P8/5P9, Horizontal Duct

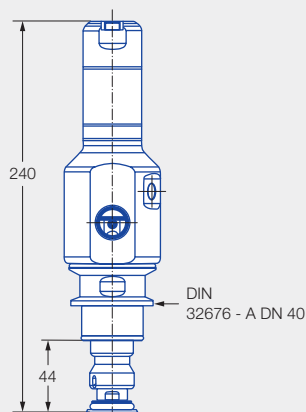


Features:

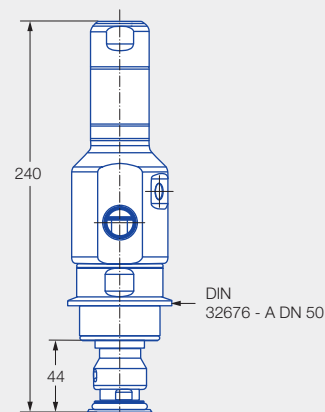
- Self-draining
- Dry blowing with compressed air possible
- Operation with steam possible (SIP)
- Vacuum in the container allowed, thanks to double-acting pneumatic cylinder
- Optional end position monitoring with sensors
- Particularly hygienic (all threads encapsulated by O-rings)



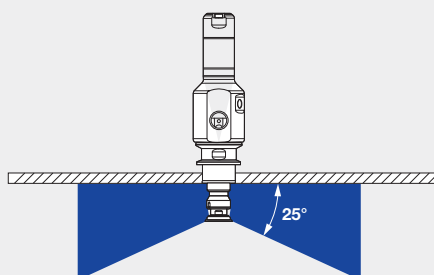
Series 5P8/5P9



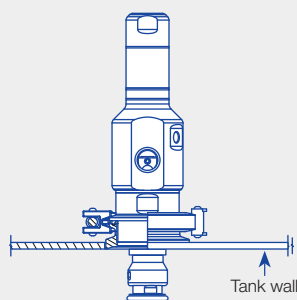
Tri-Clamp connection 5P8



Tri-Clamp connection 5P9



Installation situation/ process-side installation



Tri-Clamp connection



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
 $Ra \leq 0,8 \mu m$



Surface quality
 $Ra \leq 1,6 \mu m$



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

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

Function video



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 [m³/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.

FDA



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:

Ex II 1 G Ex h IIB T6...T3 Ga

Ex II 1 D Ex h IIC T85 °C...T170 °C Da



FDA



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



Extendable rotating cleaning nozzle PopUp Whirly Air

Series 5P8/5P9, Vertical Duct & Tower

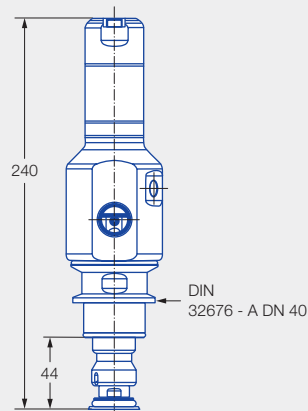


Features:

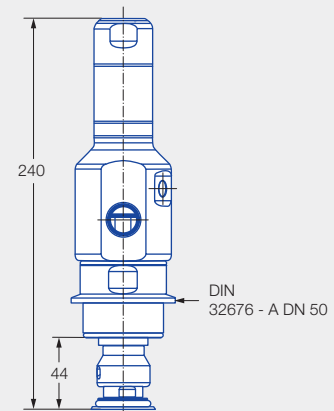
- Self-draining
- For cleaning spray shadow areas
- Dry blowing with compressed air possible
- Operation with steam possible (SIP)
- Vacuum in the container allowed, thanks to double-acting pneumatic cylinder
- Optional end position monitoring with sensors
- Particularly hygienic (all threads encapsulated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



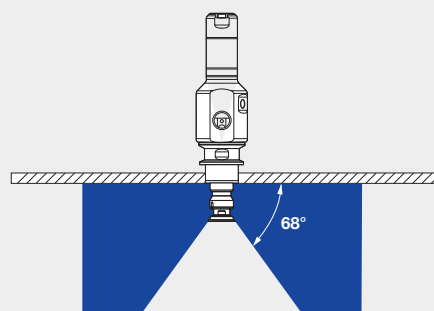
Series



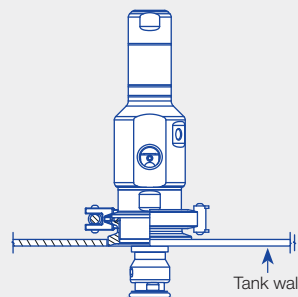
Tri-Clamp connection 5P8



Tri-Clamp connection 5P9



Installation situation/ prozessseitige Installation



Tri-Clamp connection



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
 $R_a \leq 0.8 \mu\text{m}$



Surface quality
 $R_a \leq 1,6 \mu\text{m}$



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 [m³/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.

FDA



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 1 G Ex h IIB T6...T3 Ga

Ex II 1 D Ex h IIC T85 °C...T170 °C Da



FDA



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

PopUp Whirly Air Series 5P8/5P9

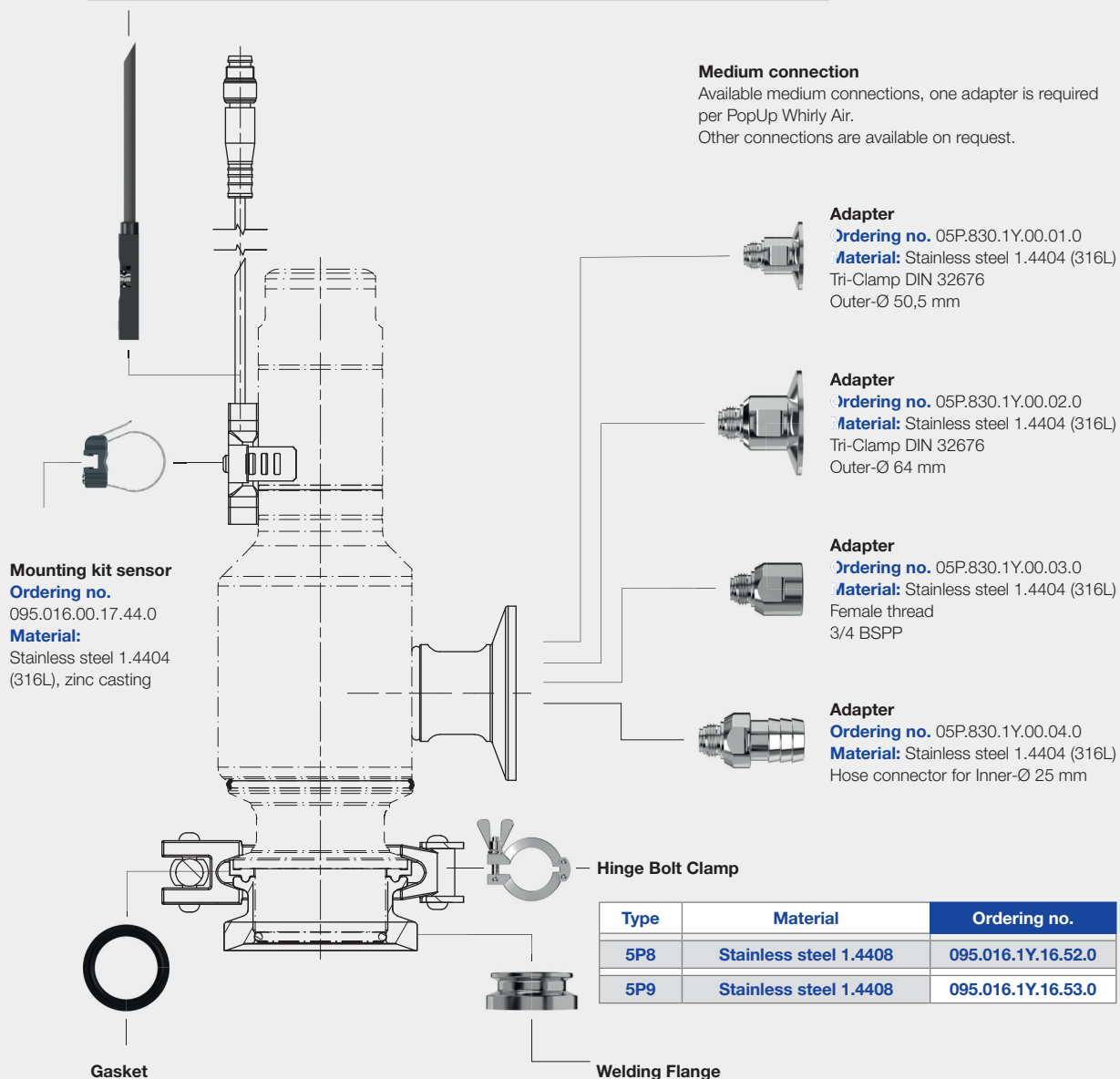


Recommended accessories can be ordered separately.

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



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

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

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.