Extendable rotating cleaning nozzle PopUp Whirly Air Hygienic
Series 5P7

Features:

- Position indication by means of sensor (IO-link capable)
- Self-draining in almost orientation
- Pneumatically extendable, independent of liquid pressure
- Flushable with air
- Installation flush with wall
- No additional installations in the process area

FDA

Scan for Video

Series 5P7

Technical data:

Maximum operating temperature 203 °F	**Maximum ambient temperature** 149 °F

Installation Operation in every installation position

Bearing Slide bearing made of PEEK

Material Stainless steel 1.4404 (316L), stainless steel 1.4301 (304), PEEK, PTFE, FPM, EPDM

Weight 9.9 lbs

Surface quality $Ra \leq 1.6$ µm on process side
OUTSIDE

Surface quality $Ra \leq 1.6$ µm
INSIDE

Steam suitability Not suitable

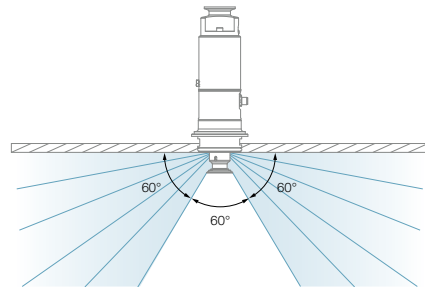**Recommended filter** Line strainer with mesh size of 0.3 mm/50 mesh
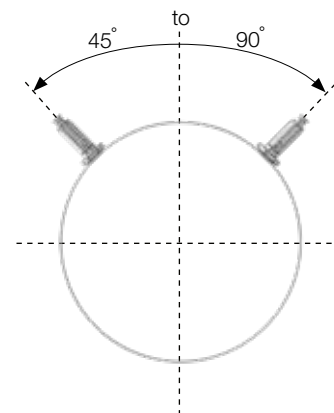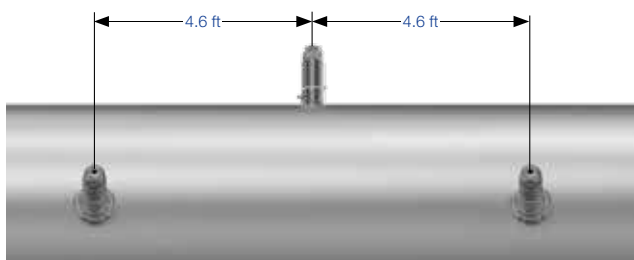
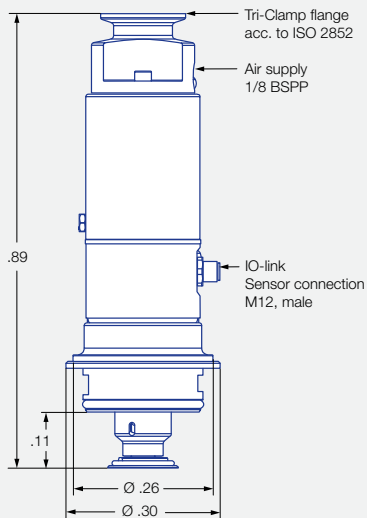**Recommended operating pressure** 36 psi

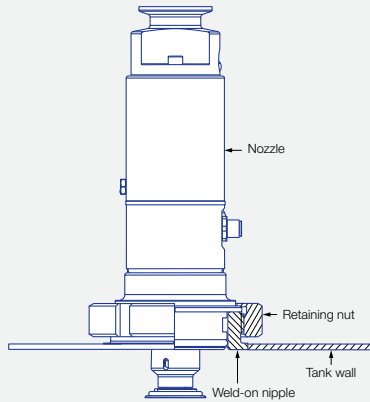## Installation example

Spray distribution

60° 60° 60°

Recommendation for nozzle positioning

4.6 ft   4.6 ft

45° to 90°

Tri-Clamp flange
acc. to ISO 2852

Air supply
1/8 BSPP

.89

IO-link
Sensor connection
M12, male

.11

Ø .26
Ø .30

Tri-Clamp connection

Installation situation

Nozzle

Retaining nut

Tank wall

Weld-on nipple

Weld-on nipple for threaded connection

To connect the nozzle on the process side, the weld-in flange 500.605.1Y.00.08 and the retaining nut 095.011.1Y.00.89 (can be ordered from Lechler as an option) are required. The O-ring in the front area of the nozzle in conjunction with the weld-in flage ensures a reliable and hygienic seal.

Rd 95 x 1/6"
DIN 405

.08
.01
Ø .23
Ø .33
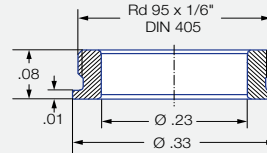
Weld-on nipple
Order no.: 500.605.1Y.00.08
Material: Stainless steel 1.4404
(316L)

Weld-on nipple
Order no.: 095.011.1Y.00.89
Material: Stainless steel 1.4404
(316L)

Spray angle	Ordering number	$\dot{V}$ water [gal/min]						Max. tank diameter ft.
	Type	p [psi] (p_{max} = 87 psi)						
		20 psi	30 psi	Liters per min. 2 bar	40 psi	60 psi		
75°	5P7.074.1Y.00	10.97	13.43	50	15.51	19.00		10

Information on operation
Using more than 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.

FDA

Type	+	Material	+	Connection	=	Order no.
5P5.081	+	1Y	+	AP	=	5P5.081.1Y.AP