Rotating cleaning nozzle XactClean HP 2
Series 5S6/5S7

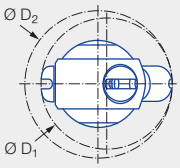
Features:

- Flat fan nozzle with high impact
- Uniform cleaning
- High efficiency due to controlled rotation
- High operating reliability thanks to robust drive unit

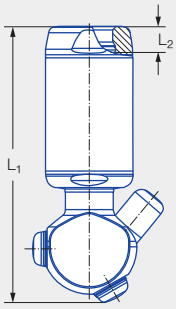
ATEX version on request

Series 5S6/5S7

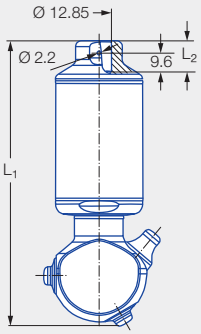
FDA



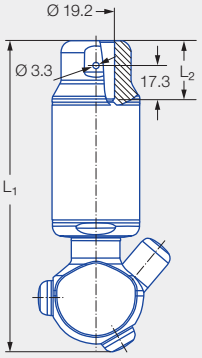
Insertion diameter D_1 and interference circle diameter D_2 of the threaded connection



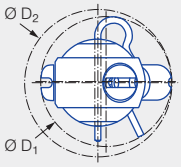
Female thread



Dimensions of 1/2" slip-on connection according to ASME-BPE (OD tube)



Dimensions of 3/4" slip-on connection according to ASME-BPE (OD tube)



Insertion diameter D_1 and interference circle diameter D_2 of the slip-on connection

EPDM O-rings	FKM O-rings	Connection	Dimensions [mm]			
			L_1	L_2	Insertion diameter D_1	Interference circle diameter D_2
AF	**20**	3/8 BSPP	141.0	9.0	50.0–66.0	50.0–67.0
AH	**21**	1/2 BSPP	143.0	13.0	50.0–74.0	50.0–76.0
AL	**22**	3/4 BSPP	143.0	13.2	50.0–79.0	50.0–81.0
AN	**23**	1 BSPP	140.0	16.5	51.0–79.0	53.0–80.0
TF05	**30**	1/2" slip-on connection	150.0	16.0	52.0–66.0	50.0–67.0
TF07	**31**	3/4" slip-on connection	160.0	30.0	66.0–79.0	50.0–81.0

Max. tank diameter [m]

Cleaning efficiency class
4

Max. temperature
150 °C

Installation
Operation in every direction is possible

Bearing
Double ball bearing

Material
Stainless steel 316L, EPDM or FKM

Recommended operating pressure
3 bar

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

Rotation monitoring
Sensor compatible, for information:
See Page 229

Adapter
3/8 BSPP, 1/2 BSPP, 3/4 BSPP and 1 BSPP are compatible with HygienicFit

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]					Max. tank diameter [m]
	Type	Connection													p [bar] (p_{max} = 15 bar)					
		3/8 BSPP		1/2 BSPP		3/4 BSPP		1 BSPP		1/2" slip-on connection		3/4" slip-on connection			2.0	**3.0**	5.0	10.0	at 40 psi [US gal/min]	
		EPDM	FKM	EPDM	FKM	EPDM	FKM	EPDM	FKM	EPDM	FKM	EPDM	FKM							
180°	**5S6.963.1Y**	**AF**	**20**	**AH**	**21**					**TF05**	**30**			1.7	25	**31**	40	57	8	3.5
	5S7.043.1Y			**AH**	**21**							**TF07**	**31**	2.0	41	**50**	65	92	13	4.0
	5S7.113.1Y			**AH**	**21**	**AL**	**22**					**TF07**	**31**	2.0	60	**73**	94	133	18	6.0
	5S7.183.1Y					**AL**	**22**					**TF07**	**31**	2.0	89	**109**	141	199	28	7.0
	5S7.223.1Y					**AL**	**22**					**TF07**	**31**	2.0	111	**136**	175	248	34	7.5
	5S7.253.1Y					**AL**	**22**	**AN**	**23**			**TF07**	**31**	2.0	135	**165**	213	301	42	8.0
180°	**5S6.964.1Y**	**AF**	**20**	**AH**	**21**					**TF05**	**30**			1.7	25	**31**	40	57	8	3.5
	5S7.044.1Y			**AH**	**21**							**TF07**	**31**	2.0	41	**50**	65	92	13	4.0
	5S7.114.1Y			**AH**	**21**	**AL**	**22**					**TF07**	**31**	2.0	60	**73**	94	133	18	6.0
	5S7.184.1Y					**AL**	**22**					**TF07**	**31**	2.0	89	**109**	141	199	28	7.0
	5S7.224.1Y					**AL**	**22**					**TF07**	**31**	2.0	111	**136**	175	248	34	7.5
	5S7.254.1Y					**AL**	**22**	**AN**	**23**			**TF07**	**31**	2.0	135	**165**	213	301	42	8.0
270°	**5S6.965.1Y**	**AF**	**20**	**AH**	**21**					**TF05**	**30**			1.7	25	**31**	40	57	8	3.5
	5S7.045.1Y			**AH**	**21**							**TF07**	**31**	2.0	41	**50**	65	92	13	4.0
	5S7.115.1Y			**AH**	**21**	**AL**	**22**					**TF07**	**31**	2.0	60	**73**	94	133	18	6.0
	5S7.185.1Y					**AL**	**22**					**TF07**	**31**	2.0	89	**109**	141	199	28	7.0
	5S7.225.1Y					**AL**	**22**					**TF07**	**31**	2.0	111	**136**	175	248	34	7.5
	5S7.255.1Y					**AL**	**22**	**AN**	**23**			**TF07**	**31**	2.0	135	**165**	213	301	42	8.0
270°	**5S6.966.1Y**	**AF**	**20**	**AH**	**21**					**TF05**	**30**			1.7	25	**31**	40	57	8	3.5
	5S7.046.1Y			**AH**	**21**							**TF07**	**31**	2.0	41	**50**	65	92	13	4.0
	5S7.116.1Y			**AH**	**21**	**AL**	**22**					**TF07**	**31**	2.0	60	**73**	94	133	18	6.0
	5S7.186.1Y					**AL**	**22**					**TF07**	**31**	2.0	89	**109**	141	199	28	7.0
	5S7.226.1Y					**AL**	**22**					**TF07**	**31**	2.0	111	**136**	175	248	34	7.5
	5S7.256.1Y					**AL**	**22**	**AN**	**23**			**TF07**	**31**	2.0	135	**165**	213	301	42	8.0
360°	**5S6.969.1Y**	**AF**	**20**	**AH**	**21**					**TF05**	**30**			1.5	25	**31**	40	57	8	3.5
	5S7.049.1Y			**AH**	**21**							**TF07**	**31**	2.0	41	**50**	65	92	13	4.0
	5S7.119.1Y			**AH**	**21**	**AL**	**22**					**TF07**	**31**	2.0	60	**73**	94	133	18	6.0
	5S7.189.1Y					**AL**	**22**					**TF07**	**31**	2.0	89	**109**	141	199	28	7.0
	5S7.229.1Y					**AL**	**22**					**TF07**	**31**	2.0	111	**136**	175	248	34	7.5
	5S7.259.1Y					**AL**	**22**	**AN**	**23**			**TF07**	**31**	2.0	135	**165**	213	301	42	8.0

NPT thread and material 2.4602 (Alloy 22) on request.

The maximum tank diameter applies to the recommended operating pressure and is meant as a recommendation only.
The cleaning result is also affected by the type of soiling.

Compressed air should be used for dry blowing for a short time only. Operation above the recommended operating pressure has a negative impact on the cleaning result and wear.

Information about slip-on connections

- Pin made of stainless steel 316L included (ordering no. 095.022.1Y.50.60.E (TF07), 095.013.1E.05.59 (TF05)).
  Depending on the diameter of the adapter, the flow rate can increase due to a leakage between the adapter and the rotating cleaning nozzle.

Ordering example:	Type	+	Code	=	Ordering no.
	5S6.963.1Y	+	**AF**	=	**5S6.963.1Y.AF**