

Rotating cleaning nozzle

XactClean HP 2

Series 5S6/5S7



Features:

- Flat fan nozzle with high impact
- Uniform cleaning
- High efficiency due to controlled rotation
- Suitable for use with steam



Scan for Video

Series 5S6/5S7

Technical data:



Maximum operating temperature
302 °F



Maximum ambient temperature
302 °F



Installation
Operation in every installation position



Bearing
Double ball bearing



Material
Stainless steel 1.4404 (316L), PEEK, EPDM



Weight
1.43 lbs - 1.98 lbs



Surface quality
 $Ra \leq 0.8 \mu m$
OUTSIDE



Surface quality
 $Ra \leq 1.6 \mu m$
INSIDE



Steam suitability
Suitable



Insertion diameter
3.19–5.51 in



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



Recommended operating pressure
45 psi



Rotation monitoring
Sensor-compatible, information: see pages 96–97



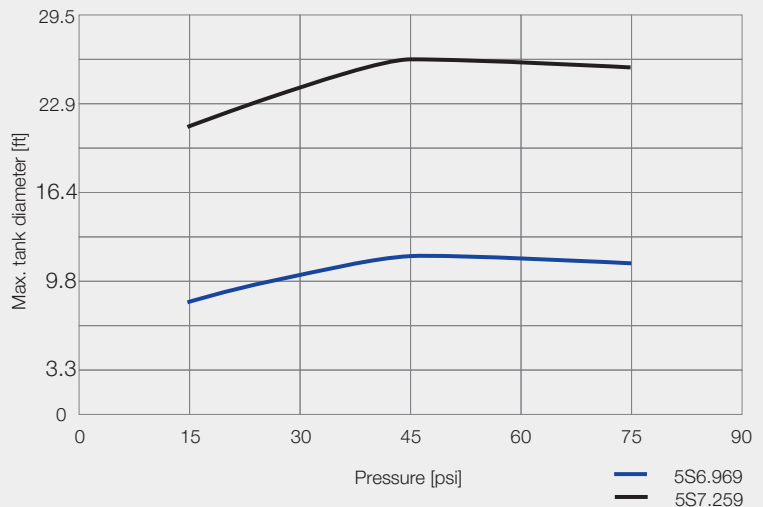
Maintainable



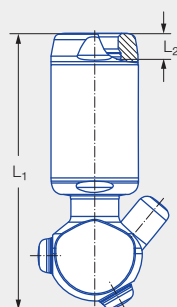
Adapter
3/8 BSPP, 1/2 BSPP, 3/4 BSPP and 1 BSPP are compatible with HygienicFit



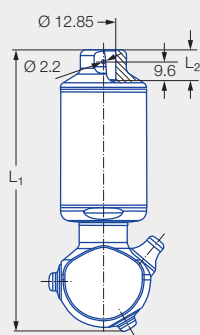
Max. tank diameter
The specified maximum tank diameter applies to the recommended operating pressure and is indicative only. The type of soiling is also decisive for the cleaning result.



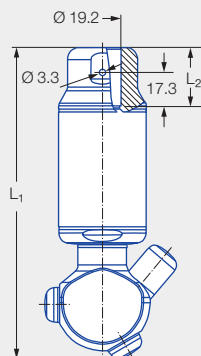
Overview of maximum tank diameter depending on pressure



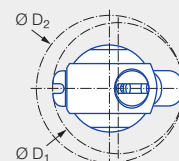
Female thread



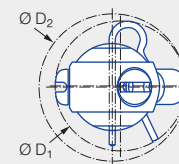
Dimensions of
1/2" slip-on connection
according to
ASME-BPE (OD tube)



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 threaded connection



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

Connection		Dimensions [in]			
		L ₁	L ₂	Insertion diameter D ₁	Interference circle diameter D ₂
BF	3/8 NPT	5.55	0.35	1.97–2.60	1.97–2.64
BH	1/2 NPT	5.63	0.51	1.97–2.91	1.97–2.99
BL	3/4 NPT	5.63	0.52	1.97–3.11	1.97–3.19
BN	1 NPT	5.51	0.65	2.01–3.11	2.09–3.15
TF05	1/2" slip-on connection	5.91	0.63	2.05–2.60	1.97–2.64
TF07	3/4" slip-on connection	6.30	1.18	2.60–3.11	1.97–3.19

Spray angle	Order number							Narrow- est cross- section Ø [in]	V̇ water [gal/min]									Max. tank diameter [ft]
	Type	Connection							p [psi] (p _{max} = 217.5 psi)									
		3/8" Female NPT	1/2" Female NPT	3/4" Female NPT	1" Female NPT	1/2" slip-on	3/4" slip-on		20	30	40	45	Liters per min. 3 bar	60	80	100	200	
	5S6.963.1Y	BF	BH			TF05		0.07	5.55	6.80	7.85	8.33	31	9.61	11.10	12.41	17.55	11
	5S7.043.1Y		BH				TF07	0.08	8.95	10.97	12.66	13.43	50	15.11	17.91	20.02	28.32	13
	5S7.113.1Y		BH		BL		TF07	0.08	13.07	16.01	18.49	19.61	73	22.64	26.15	29.23	41.34	19
	5S7.183.1Y				BL		TF07	0.08	19.52	23.91	27.61	29.28	109	33.81	39.04	43.65	61.73	23
	5S7.223.1Y				BL		TF07	0.08	24.36	29.83	34.44	36.54	136	42.19	48.71	54.46	77.02	24
	5S7.253.1Y				BL	BN		TF07	0.08	29.55	36.19	41.79	44.33	165	51.18	59.10	66.08	93.45
	5S6.964.1Y	BF	BH			TF05		0.07	5.55	6.80	7.85	8.33	31	9.61	11.10	12.41	17.55	11
	5S7.044.1Y		BH				TF07	0.08	8.95	10.97	12.66	13.43	50	15.11	17.91	20.02	28.32	13
	5S7.114.1Y		BH		BL		TF07	0.08	13.07	16.01	18.49	19.61	73	22.64	26.15	29.23	41.34	19
	5S7.184.1Y				BL		TF07	0.08	19.52	23.91	27.61	29.28	109	33.81	39.04	43.65	61.73	23
	5S7.224.1Y				BL		TF07	0.08	24.36	29.83	34.44	36.54	136	42.19	48.71	54.46	77.02	24
	5S7.254.1Y				BL	BN		TF07	0.08	29.55	36.19	41.79	44.33	165	51.18	59.10	66.08	93.45
	5S6.965.1Y	BF	BH			TF05		0.07	5.55	6.80	7.85	8.33	31	9.61	11.10	12.41	17.55	11
	5S7.045.1Y		BH				TF07	0.08	8.95	10.97	12.66	13.43	50	15.11	17.91	20.02	28.32	13
	5S7.115.1Y		BH		BL		TF07	0.08	13.07	16.01	18.49	19.61	73	22.64	26.15	29.23	41.34	19
	5S7.185.1Y				BL		TF07	0.08	19.52	23.91	27.61	29.28	109	33.81	39.04	43.65	61.73	23
	5S7.225.1Y				BL		TF07	0.08	24.36	29.83	34.44	36.54	136	42.19	48.71	54.46	77.02	24
	5S7.255.1Y				BL	BN		TF07	0.08	29.55	36.19	41.79	44.33	165	51.18	59.10	66.08	93.45





Spray angle	Order number							Narrow- est cross- section Ø [in]	V̇ water [gal/min]									Max. tank diameter [ft]
	Type	Connection							p [psi] (p _{max} = 217.5 psi)									
		3/8" Female NPT	1/2" Female NPT	3/4" Female NPT	1" Female NPT	1/2" slip-on	3/4" slip-on		20	30	40	45	Liters per min. 3 bar	60	80	100	200	
270° 	5S6.966.1Y	BF	BH			TF05		0.07	5.55	6.80	7.85	8.33	31	9.61	11.10	12.41	17.55	11
	5S7.046.1Y		BH				TF07	0.08	8.95	10.97	12.66	13.43	50	15.11	17.91	20.02	28.32	13
	5S7.116.1Y		BH	BL			TF07	0.08	13.07	16.01	18.49	19.61	73	22.64	26.15	29.23	41.34	19
	5S7.186.1Y			BL			TF07	0.08	19.52	23.91	27.61	29.28	109	33.81	39.04	43.65	61.73	23
	5S7.226.1Y			BL			TF07	0.08	24.36	29.83	34.44	36.54	136	42.19	48.71	54.46	77.02	24
	5S7.256.1Y			BL	BN		TF07	0.08	29.55	36.19	41.79	44.33	165	51.18	59.10	66.08	93.45	26
360° 	5S6.969.1Y	BF	BH			TF05		0.06	5.55	6.80	7.85	8.33	31	9.61	11.10	12.41	17.55	11
	5S7.049.1Y		BH				TF07	0.08	8.95	10.97	12.66	13.43	50	15.11	17.91	20.02	28.32	13
	5S7.119.1Y		BH	BL			TF07	0.08	13.07	16.01	18.49	19.61	73	22.64	26.15	29.23	41.34	19
	5S7.189.1Y			BL			TF07	0.08	19.52	23.91	27.61	29.28	109	33.81	39.04	43.65	61.73	23
	5S7.229.1Y			BL			TF07	0.08	24.36	29.83	34.44	36.54	136	42.19	48.71	54.46	77.02	24
	5S7.259.1Y			BL	BN		TF07	0.08	29.55	36.19	41.79	44.33	165	51.18	59.10	66.08	93.45	26

BSPP thread available on request.

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 supplied (Ordering no.: 095.013.1Y.06.45).
- 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 with FDA and (EC) 1935/2004 conformity.

All materials are suitable for contact with food.



Type + Connection = Order no.
5S6.965.1Y + BF = 5S6.965.1Y.BF

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...T190 °C Da

Important

The code for the connection changes for the ATEX version with slip-on connection.
Ordering example for 1/2" slip-on connection:
5S6.963.1Y.T1.EX
Ordering example for 3/4" slip-on connection:
5S7.043.1Y.T2.EX



Type + Connection + ATEX = Order no.
5S6.965.1Y + BF + EX = 5S6.965.1Y.BF.EX