

High impact tank cleaning machine

MeshClean+

Series 5T5



Features:

- High efficiency thanks to especially powerful solid jet nozzles
- Also suitable for large tanks with persistent soiling
- Active self-cleaning through special nozzle geometry
- Particularly low-maintenance



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

Series 5T5

Technical data:



Maximum operating temperature
 150 °C
 150 °C (ATEX)



Maximum ambient temperature
 150 °C
 150 °C (ATEX)



Installation
 Operation in every installation position



Bearing
 Ball bearing



Material
 Stainless steel 1.4404 (316L), PTFE, PEEK, EPDM, FKM or FFKM



Weight
 4.0 kg



Surface quality
 $Ra \leq 0.8 \mu m$



Surface quality
 $Ra \leq 1.6 \mu m$



Steam suitability
 Suitable



Insertion diameter
 120 mm



Recommended filter
 Line strainer with a mesh size of 0.2 mm/80 mesh



Recommended operating pressure
 5 bar



Adapter
 1 1/2 BSP is compatible with HygienicFit



Rotation monitoring
 Sensor-compatible, information: see pages 100–101

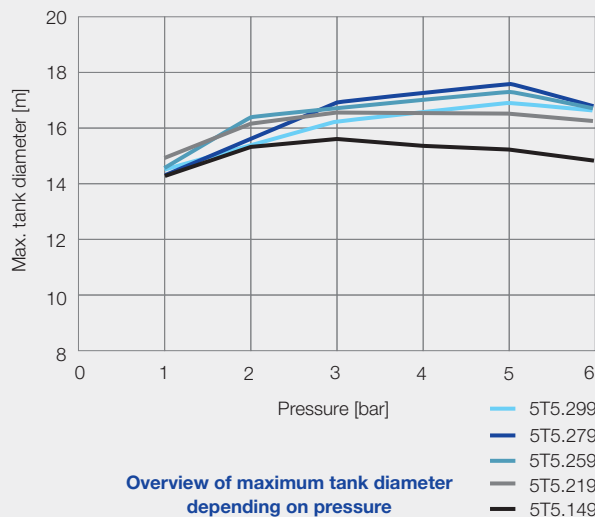


Maintainable

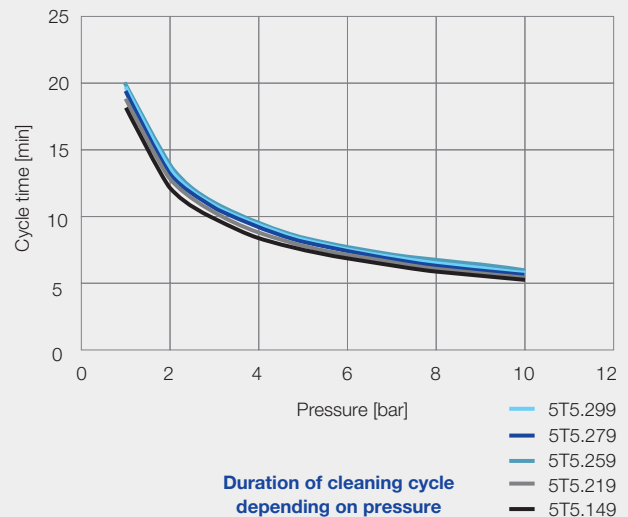


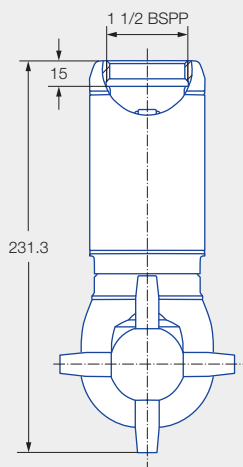
Max. tank diameter

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.

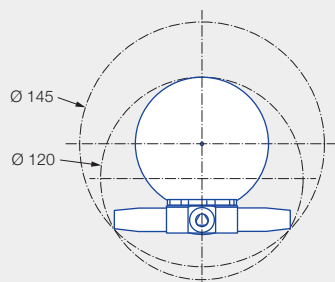


Duration of cleaning cycle

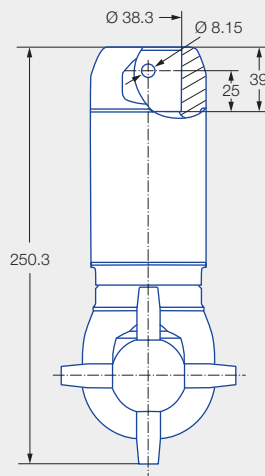




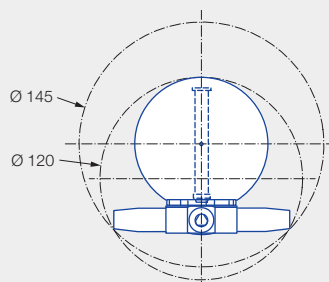
Female thread



Insertion diameter and interference circle diameter of the threaded connection



Dimensions of slip-on connection according to ASME-BPE (OD tube)



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

Dimensions in mm.

Spray angle	Ordering no.						Narrowest cross-section Ø [mm]	Quantity x Ø nozzle [mm]	V̇ water [l/min]				V̇ water	Max. tank diameter [m]
	Type	Connection				p [bar] (p _{max} = 15 bar)								
		1 1/2 BSPP		1 1/2" slip-on connection		2.0			3.0	5.0	10.0	at 5 bar [m³/h]		
		EPDM	FKM	EPDM	FKM									
360° 	5T5.149.1Y	AS	25	TF15	34	4.40	4 × 4.40	70	86	111	157	6.6	15.2	
	5T5.219.1Y	AS	25	TF15	34	5.55	4 × 5.55	107	131	169	239	10.1	16.5	
	5T5.259.1Y	AS	25	TF15	34	6.45	4 × 6.45	132	162	209	296	12.5	17.3	
	5T5.279.1Y	AS	25	TF15	34	7.10	4 × 7.10	150	184	238	336	14.2	17.6	
	5T5.299.1Y	AS	25	TF15	34	7.75	4 × 7.75	170	209	269	380	16.1	16.9	

NPT threads on request.

Information on operation

Compressed air can be used only for a short time for blowing dry. Use above the recommended pressure will have a negative effect on the cleaning result and wear.

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

All materials are suitable for contact with food.



Type + Connection = Ordering no.
5T5.149.1Y + AS = 5T5.149.1Y.AS

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 IIC T85 °C...T190 °C Da

Important

The code for the connection changes for the ATEX version with slip-on connection.

Ordering example for 1 1/2" slip-on connection: 5T5.149.1Y.T5.EX



Type + Connection + ATEX = Ordering no.
5T5.149.1Y + AS + EX = 5T5.149.1Y.AS.EX