

Datasheet

TSH Series Filter Housings

Model: Single Round Sanitary

TSH Series Single Cartridge Filter Housing (1 × 10" to 40")

The TSH Series sanitary single-round cartridge filter housings are designed to accommodate a single filter cartridge in 10", 20", 30", or 40" lengths. Manufactured from high quality AISI 316L stainless steel and mechanically polished to sanitary surface finish standards, these housings are ideally suited to hygienic and critical process applications across the food, beverage, pharmaceutical, biotechnology, and cosmetic industries.



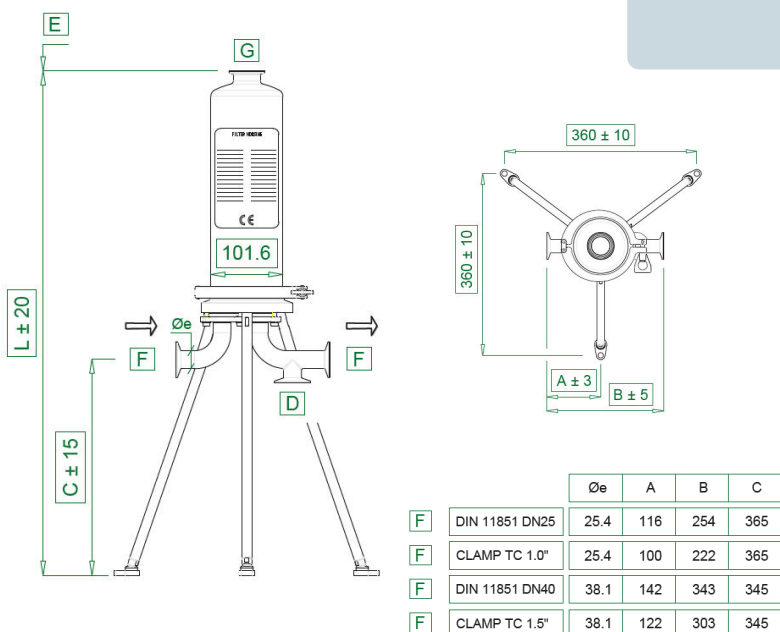
Parameter	Specification
Model	TSHxx1
Number of cartridges	1 cartridge
Cartridge length	10", 20", 30" or 40"
Housing material	Stainless steel SS316L
End-cap types	P7 (226 bayonet / fin)
Inlet connection	DIN 11851 (male) Clamp TC (BS 4825)
Outlet connection	DIN 11851 (male) Clamp TC (BS 4825)
Vent connection	1.5" Clamp TC (BS 4825)
Drain connection	1" Clamp TC (BS 4825)
Max. operating pressure	13 bar (g) at -10°C to 40°C 10 bar (g) at >40°C to 150°C
Max. operating temperature	150 °C
Closure type	Clamp TC
Orientation	Vertical
Support	Fixed stainless steel legs
Surface finish (standard)	Ra < 0.4 µm general internal Ra < 0.2 µm internal bowl Ra < 0.1 µm external bowl
Application	Liquid filtration
PED compliance	PED 2014/68/EU

The crevice-free construction and Tri-Clamp closure arrangement provides excellent cleanability and facilitates rapid disassembly for routine maintenance and cartridge replacement. Integrated sanitary vent and drain connections allow safe commissioning, venting, draining, and cleaning operations.

Design & Construction

- Hygienic single cartridge sanitary filter housing
- Suitable for 10", 20", 30", and 40" filter cartridges
- Manufactured from AISI 316L stainless steel
- Mechanically polished sanitary surface finish
- Tri-Clamp body closure for quick access and easy cleaning
- Sanitary vent and drain connections included
- Fixed stainless steel support legs
- Compact and cost effective design
- Suitable for food, beverage, pharmaceutical, and cosmetic applications
- PED compliant construction

- Food & beverage processing
- Pharmaceutical manufacturing
- Biotechnology processes
- Cosmetic production
- Purified water systems
- Ingredient filtration
- Final product filtration
- CIP / process system protection
- Fermentation and process fluids



- Hygienic single-round cartridge housing
- 13 bar maximum working pressure at ambient temperature
- Quick-release Tri-Clamp closure assembly
- Sanitary clamp process connections
- Compatible with P7 (226 bayonet / fin) end-caps
- Integrated sanitary vent and drain ports
- Optimised for cleanability and hygienic processing
- Suitable for food, beverage, pharmaceutical, and cosmetic applications
- Robust and durable construction

Ordering information						
Code	Inlet Drain Included	Outlet Drain Included	Number of cartridges	Element Length	Inlet / Outlet Connections	Inlet / Outlet Size
TSH	Y - Yes	Y - Yes	1 - Single Round	1 - 10"	D - DIN 11851 (male)	25 - DIN 25
	N - No	N - No		2 - 20"	C - Clamp TC (BS 4825)	40 - DIN 40
				3 - 30"		10 - 1.0"
				4 - 40"		15 - 1.5"

All information in this datasheet is provided for guidance only and may be subject to change. The filter housing is manufactured in accordance with PED 2014/68/EU. The end user is responsible for correct selection, installation, and operation within the specified design limits. The manufacturer accepts no liability for improper use or unauthorized modifications.