

HT Series Housings – 8”

Description

Pall HT Series 8” diameter housings accept five individual elements up to 40” long. The 8” diameter HT Series housings are available in 304L stainless steel and carbon steel. The materials of construction and housing design permits using porous metal filters over a broad temperature range from cryogenic -320°F to +800°F. Inlet/outlet connections are 3” flanges.

Specifications

- Housings are designed in accordance with ASME Section VIII, Division 1 and “U” stamped.
- Design Ratings:
 - Carbon Steel
 - Pressure: 150 PSIG (1034 KPA)
 - Temperature: -20°F to 550°F (-29°C to 288°C)
 - Pressure: 300 PSIG (2065 KPA)
 - Temperature: -20°F to 800°F (-29°C to 427°C)
 - Stainless Steel
 - Pressure: 150 PSIG (1034 KPA)
 - Temperature: -320°F to 450°F (-196°C to 232°C)
 - Pressure: 300 PSIG (2065 KPA)
 - Temperature: -320°F to 800°F (-196°C to 427°C)
- Standard housing gasket is spiral wound 304L stainless steel and flexible graphite.
- Carbon steel housings are painted with a high temperature coating. The inside of the carbon steel vessel is treated with a rust preventative.
- Carbon steel housings are designed with $\frac{1}{16}$ ” corrosion allowance.
- Vent is $\frac{1}{2}$ ” 3000 lb. half coupling.
- Drain is $\frac{1}{2}$ ” 3000 lb. half coupling.
- Pressure ports are $\frac{1}{4}$ ” 3000 lb. half coupling.

Element Sealing Mechanism

Elements are sealed into the housing using a $1\frac{1}{2}$ ” NPT connection. This results in a positive seal without using any temperature limiting gasket materials and ensures no fluid bypass.



*Figure 1. Standard HT Series 8” Diameter Housing
Inlet and Outlet: 3” Flange*

Table 1. Filter Element Selection

Type of Filter Media	Description of Media	Data Sheet Number
PSS® Series	Sintered stainless steel powder metal filter element	E12
S Series PSS®	Sintered stainless steel powder metal seamless filter element	E20
Rigimesh® Series	Sintered woven wire mesh filter element	E13
PMM® Series	Sintered matrix of stainless steel powder within the pore structure of stainless steel woven wire mesh	E21
FH Series PMF®	Sintered stainless steel metal fiber filter element	

Filter Element Selection

HT Series housings may be used with the filter media listed (see Table 1), all of which are available in the threaded connector series. Pall threaded connector series elements have 2 1/2" outer diameter and are available in 10", 20", 30" or 40" lengths (Rigimesh® and PMM® elements) or in 2 3/8" outer diameter available in 19" or 38" lengths (PSS® and S Series PSS® elements) and 10", 20", 30" and 40" lengths (FH Series PMF® elements). Please refer to the appropriate Filter Element Data Sheet for additional information regarding media and removal ratings.

Housing Part Numbers/Ordering Information

HT □ ○ C8- △ - 49 ◇ ☆

Code	Materials of Construction	Code	Design Conditions		
□		○	Hsg. Mat'l	Design Pressure	Design Temp.
C	Carbon Steel	1	SST	150 psi	450°F
S	304L Stainless Steel	3		300 psi	800°F
		1	C-STL	150 psi	550°F
		3		300 psi	800°F

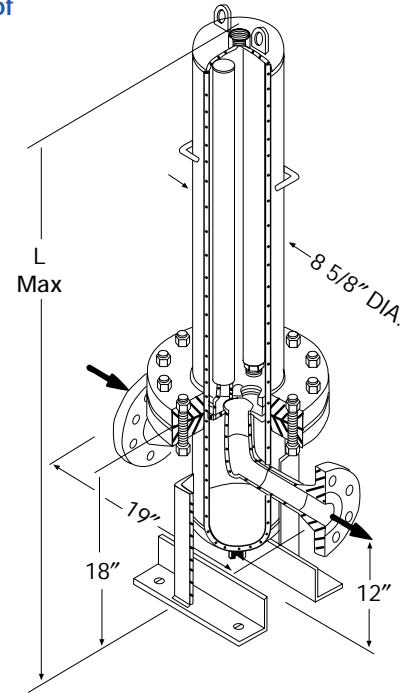
Code	Dimensions			L Max (in.)	Total Weights (approx.)		Element Length In.		
	Hsg. Filter Area (ft ²)				Dry lb.	Wet lb.	PSS®	Rigimesh®	PMM® PMF® FH
△	PSS®	Rigimesh®	Code P*	Code F**					
1	-	5	10	36	300	355	-	10	10
2	4.9	10	20	46	346	415	19	20	20
3	-	15	30	56	438	534	-	30	30
4	9.8	20	40	66	484	594	38	40	40

Code	Gasket Options
◇	
H25	Spiral Wound 304LSS Flexible Graphite
H19	Spiral Wound 304LSS/ Teflon™

Teflon is a trademark of E. I. du Pont de Nemours and Company.

* Code P: 1 ft²/10" length ** Code F: 2 ft²/10" length

Dimensional Drawing of 8" Diameter HT Series Housing



Code	Other Options
☆	
-	None
C2	Passivated housings for demineralized water or other critical application
C9	Cleaned for oxygen service



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