

HT Series Housings – 4"

Description

Pall HT Series 4" diameter housings accept a single filter element up to 40" long. The 4" diameter housings are constructed of 304 stainless steel. The materials of construction and housing design permit using porous metal filters over a broad temperature range from cryogenic -320°F to +800°F. Inlet/outlet connections are 1" NPT or 1" flange.

Specifications

- Housings are designed in accordance with ASME Section VIII, Division 1 and "U" stamped.
- Design Ratings:
Pressure: 390 PSIG (2691 KPA)
Temperature: -320°F to +800°F (-196°C to 427°C)
- Standard housing gasket is spiral wound 304 stainless steel and flexible graphite.
- Vent connection is 1/8" tapped connection.
- Drain connection is 1" 3000 lb. half coupling.

Element Sealing Mechanism

Elements are sealed into the housing using a 1 1/2" NPT connection. This results in a positive seal without using any temperature limiting gasket materials and ensures no fluid bypass.

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.



*Figure 1. Standard HT Series 4" Diameter Housing
Inlet and Outlet: 1" NPT or 1" 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	

Housing Part Numbers/Ordering Information

HTS 3C4- □ - ○ △ ▽

Code □	Dimensions									
	Hsg. Filter Area (ft ²)			L (in.)		Total Weights (approx.)***		Element Length In.		
	PSS®	Rigimesh®		L ₁	L ₂	Dry lb.	Wet lb.	S Series PSS	PMM® PMF® FH	
Hsg. Code	Code P*	Code F**								
1	-	1	2		17	18 ¹ / ₁₆	33	38	-	10
2	1	2	4		27	28 ¹ / ₁₆	37	45	19	20
3	-	3	6		37	38 ¹ / ₁₆	41	52	-	30
4	2	4	8		47	48 ¹ / ₁₆	45	60	38	40

* Code P: 1 ft²/10" length ** Code F: 2 ft²/10" length ***With 1" NPT In/Out

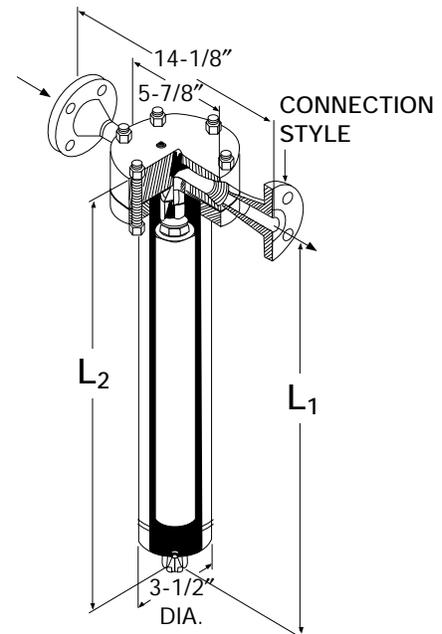
Code ○	Housing Connections
16	1" NPT
17	1" 300# RF WN

Code △	Gasket Options
H25	Spiral Wound 304 SS/ Flexible Graphite
H19	Spiral Wound 304 SS/ Teflon™

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

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

Dimensional Drawing of 4" Diameter HT Series Housing



2200 Northern Boulevard
East Hills, New York 11548-1289

800.645.6532 toll free
516.484.6164 fax

Visit us on the Web at www.pall.com

Select-A-FAX* 800.664.7255

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