GTCH-Series Multi-Cartridge Liquid Filter Vessels

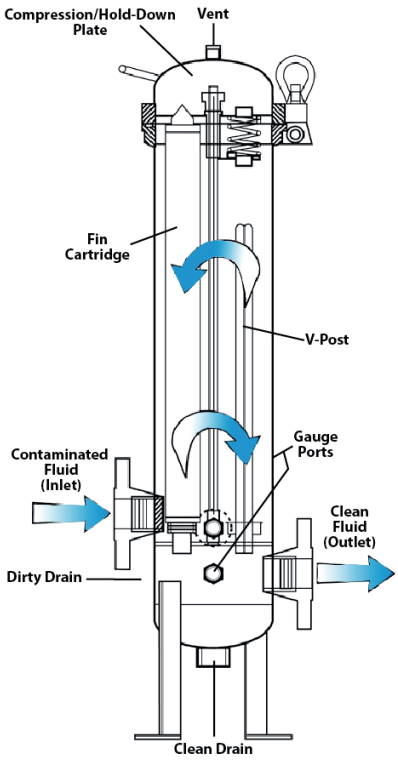
GTCH-Series Multi-Round Cartridge Vessels are designed for industrial and high purity applications. Vessels are constructed of 304 or 316L stainless steel and accept DOE, 222/FLAT and 222/FIN end cartridges in 10, 20, 30 & 40 inch lengths. The GTCH Series vessels comply with the European regulations PED 2014/68 / EU §4.3.

Technical Design

- Under ASME design code. Other design codes on request.
- Maximum operating pressure : 10 bar.
- Design temperature : 120°C.
- Maximum operating temperature is linked to fluid used.
- Fluid must be non hazardous liquid, other fluid on request.
- Universal seal cups and compression plates allow vessels to accept DOE, 222/FLAT or 222/FIN cartridges.
- As standard : - Glass beaded finishing
  - Material SS316L
  - Buna N gasket

Features

- Wetted part of the filter is either 304 or 316L option. The other parts are in SS304.
- Heavy-duty welded angle mounting/support legs
- Bolting material :
  - 3 to 7 cartridges : Eye bolts, nuts and pins are in SS304. Washers are in carbon steel with zinc plating.
  - 12 to 51 cartridges : Eye bolts, pins and washers are in carbon steel SA193-B7 with nickel plating. Nuts are in SS304.
- Easy-access eye-nuts/swing-bolt closure.
- Bearing-assisted hand-wheel closure davit (GTCH12 & larger).





Options

- Electropolished Finish
- Alternate seal materials
  - EPDM
  - FKM

Ordering Information

GTCH	# of Cartridges	Length	Inlet/Outlet Size	Inlet/Outlet Style	Outlet	Material	Pressure Rating	Surface Finish
	3	1 = 10" 2 = 20" 3 = 30" 4 = 40"	1,5 = DN40/1,5" 2 = DN50/2"	B = BSPT female D = RF Flange following EN1092-1	2 = Opposite Outlet	4 = 304 SS 6 = 316L SS	15 = 10 bar	EP = Electropolished GB = Glass Bead
	5		2 = DN50/2"					
	7		2 = DN50/2" 3 = DN80/3"					
	12	3 = 30" 4 = 40"	3 = DN80 4 = DN100	D = RF Flange following EN1092-1				
	21							
	36		6 = DN150					
	51							

Codification example :
GTCH5-3-2D-2-615GB : Cartridge filter with 5 cartridges 30 inches lenght, Inlet/Outlet flange DN50, outlet opposite to inlet, SS316L, use for 10 bar max, external finishing is Glass Beaded.

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

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