

CT Series

Cartridge Filter Housings



The CT Series Cartridge Filter Housings are three-piece, all-metal housings with ring-nut closures. These housings are designed to meet general industrial filtration needs. The CT Models offer you a choice in construction materials for wetted surfaces and are available with a 316 stainless steel head with 304 stainless steel sump or in all-316 stainless steel in one-high (CT101), two-high (CT102), or three-high (CT103) designs. Ring nuts for head to sump sealing are nickel plated brass to eliminate potential thread galling. A ring nut tightening tool is included. All CT Model heads have tapped mounting pads; mounting brackets are available as an accessory. The CT Models have liquid flow rates of up to 26 GPM, and a maximum operating pressure and temperature of 300 psig at 200°F. For air and gas service, CT Models have a maximum operating pressure and temperature of 180 psig at 200°F.

DESIGN FEATURES/BENEFITS

- Rugged, three-piece, all metal construction provides long service life and quick & easy cartridge changeout.
- Design flexibility: 1, 2 or 3-high cartridge models for use with 9 3/4", 19 1/2", or 29 1/4" filter cartridges.
- Drilled and tapped mounting holes: Ready for mounting bracket installation.

Options

- Choice of gasket materials.
- Mounting bracket available as accessory equipment.

OPERATING PARAMETERS

Table 1 lists standard model operating parameters for the CT models. In Table 1, the maximum operating pressure is the rating for the housing only. Actual filter operating temperature is dependent on the temperature capability of the filter cartridge.

Maximum Operating Pressure & Temperature	300 psig @ 200 F Liquid
	180 psig @ 200 F Air/Gas
Flow Rate (GPM)	See Table 2.

CARTRIDGE REQUIREMENTS

The CT101, 102 and 103 Series Cartridge Filter Housings can use one, two, or three 9 3/4" equivalent single-length filter cartridges, respectively. The CT102 and 103 Models can also use one 19 1/2" filter cartridge and one 29 1/4" filter cartridge, respectively. A shorter version of the CT101, that uses a 5" double open end cartridge, is also available.

Applicable CUNO Filter Cartridges

Activated Carbon	Econo-Klean™	PolyNet™
Betafine® D & XL	Micro-Klean® III	PolyPro® XL
Beta-Klean®	Micro-Wynd® II	Zetapor®
Betapure®	Petro-Klean®	Microflour®

FLOW RATES

Table 2 lists the maximum recommended flow rates in Gallons Per Minute (GPM) for the CT101 and 102 Models. Use the data on Table 2 only as a guide in establishing housing flow capability; do not use it for filter sizing. Once you know the flow rate for a selected cartridge, then use Table 2 to check whether the housing's flow rates fall within the recommended guidelines.

When selecting a filter's size, make sure you consider the amount of contaminant you want removed as well as the flow requirements; this ensures the longest possible cartridge life.

Inlet/ Outlet	Water	80 SSU	150 SSU	300 SSU	600 SSU	1000 SSU
3/4"	16	14	13	12	10	8
1"	26	22	20	18	16	13

STANDARD MODEL SPECIFICATIONS

Table 3 lists standard model materials of construction and connection sizes. Table 4 lists dimensions and shipping weight. All dimensions are nominal and can be used for determining overall space requirements. To find a dimension, locate the model you want in the left column of Table 4 and the selected dimension symbol (A through C) in the top row. Where the column and row meet is the model's dimension.

Table 3 - Standard Model Connection Sizes and Materials of Construction

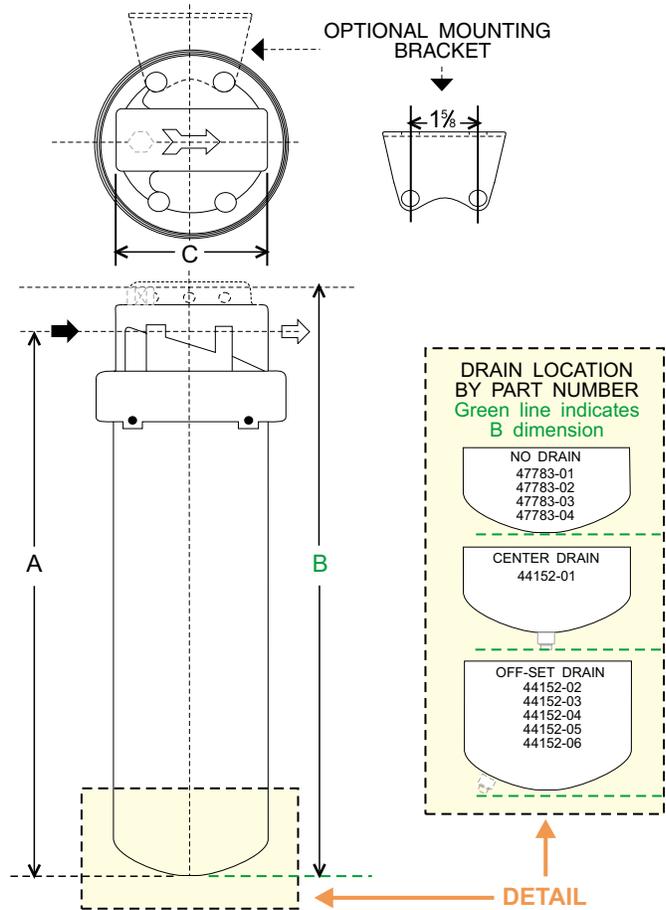
Model	CT101	CT102	CT101	CT102	CT101	CT102	CT103	CT101	CT102	CT103
Part Number	47783-01	47783-02	47783-03	47783-04	44152-01	44152-02	44152-03	44152-04	44152-05	44152-06
Connection Sizes	¾" NPT		1" NPT		¾" NPT			1" NPT		
Materials of Construction										
Head	316 S.S.									
Head Gasket	Nitrile (Optional Gasket material: fluorocarbon, neoprene, or EPDM)									
Ring Nut	Nickel Plated Brass									
Sump	304 S.S.					316 S.S.				
Centerpost with Seal Plate	N/A	304 S.S.	N/A	304 S.S.	N/A			316 S.S.		
Seal Plate (in Sump)	304 S.S.	N/A	304 S.S.	N/A	316 S.S.			N/A		
Vent Plug - ¼" NPT	N/A					316 S.S.				
Vent Plug Gasket	N/A					Fiber				
Drain Plug - ¼" NPT	NA					316 S.S.				
Optional Mounting Bracket	Zinc Plated Steel (order separately)									

Table 4 - Dimensions

Housing Model	Catalog Number	A	B	C	SHIPPING WEIGHT (pounds)
		(Inches)			
CT101	47783-01	11 3/8	12 1/16	3 1/2	6
	47783-03	11 9/16	12 13/32	3 1/2	
	44152-01	11 9/16	12 9/16	2 15/16	
	44152-04	11 13/16	12 7/8	3 1/2	
CT102	47783-02	21 11/32	22 1/32	3 1/2	7 1/2
	47783-04	21 9/16	22 3/8	3 1/2	
	44152-02	21 7/16	22 7/16	2 15/16	
	44152-05	21 9/16	22 5/8	3 1/2	
CT103	44152-03	31 3/16	32 3/16	2 15/16	9
	44152-06	31 5/16	32 3/8	3 1/2	

CT Series Ordering Guide

Housing Model	Catalog Number	Inlet/Outlet NPT	Housing Material	Mounting Bracket Kit	Ring Nut Tool
CT101	47783-01	¾"	316 S.S. Head and 304 S.S. Sump without Vent/Drain	35581-01 (Order Separately)	63572-01 (included)
CT102	47783-02				
CT101	47783-03	1"	All 316 S.S. (wetted parts) with Vent/Drain		
CT102	47783-04				
CT101	44152-01	¾"	All 316 S.S. (wetted parts) with Vent/Drain		
CT102	44152-02				
CT103	44152-03	1"	All 316 S.S. (wetted parts) with Vent/Drain		
CT101	44152-04				
CT102	44152-05				
CT103	44152-06				



WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 12 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration or modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B. point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by the Seller to be defective. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.

Service Worldwide

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