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 are available with wetted surfaces in 316 stainless (head, sump and internals) and in one-high (CT101), two-high (CT102), or three-high (CT103) designs. Ring nuts for head to sump sealing are nickle 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 98.4 l/min, and a maximum operating pressure and temperature of 20 bar g at 90 °C. For air and gas service, CT Models have a maximum operating pressure and temperature of 12 bar g at 90 °C.

**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.

**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.

**Flow Rates**

Table 2 lists the maximum recommended flow rates in liter per minute (l/min) for the CT101 and 102 Models. Use the data in 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.

**Cartridge Requirements**

The CT Series Cartridge Filter Housings can use one, two, or three 9 ¾” equivalent single-length filter cartridges. The CT102 and 103 Models can also use one 19 ½” filter cartridge and one 29 ¼” filter cartridge, respectively.

**Pressure Equipment Directive 97/23/CE**

CT vessels are in compliance with Non Coded Article 3.3. “Sound Engineering Practice”. In addition, CT housings are only to be used for the filtration of Group 2 Liquids (and Group 1 Liquids at reduced operating pressures). Do not use CT housings with Group 1 (Hazardous) gas or vapour applications.

**ATEX Directive 94/9/CE**

These CT housings are approved for use in ATEX condition II/2/G/T5. The operator of these housings must ensure that they are used in accordance with the requirements of these PED and ATEX directives at all times. Please consult your local 3M Purification representative for any other classifications or further information.
**Data may be subject to change without further notice.**