

High Temperature Glass Columns for Temperature Sensitive Laboratory Scale Applications

Features:

- Broad temperature range from 4 - 70 °C
- Borosilicate glass jacket
- Easy handling and column packing
- Optimal flow distribution
- Full resin compatibility

The New Standard for High Temperature

YMC HT Glass Columns are specially designed to accommodate the stringent requirements of high-temperature liquid chromatography applications. The glass tempering jacket integrated into each column ensures precise temperature management, leading to consistent and dependable chromatographic outcomes.

Engineered for adaptability, HT Glass Columns are compatible with all standard separation modes including normal phase, reversed phase, and ion exchange chromatography, and can be used with a wide array of resins. This makes them an essential tool for scientists and technicians conducting high-temperature separations. Featuring straightforward operation and robust construction for enduring use at elevated temperatures, the HT series stands as a premier solution for sophisticated chromatographic analyses.

Specifications

Inner Diameter	10, 15, 25, 50 mm
Glass Body Length	120, 200, 300, 450, 750, 1,000 mm
Temperature Range	4 - 70 °C
Pressure Range*	435 - 145 psi [30 - 10 bar]

*Pressure limit depends on inner diameter



Applications

Capable of performing efficiently at temperatures up to 70 °C, these columns are perfectly suited for a broad spectrum of purification tasks, particularly in biochemical liquid chromatography (BioLC), where high temperatures are pivotal.

Overview

High Temperature Stability

YMC HT is designed for high temperature applications. The column is specified up to 70 °C which makes it the first choice for purifications under elevated temperatures. All components are extremely robust and stable for long-term usage with high temperatures.

For All Type of Resins

YMC HT is dedicated for all common separation modes in BioLC that require elevated temperatures - especially for the purification of oligonucleotides using AEX, RP or HIC. YMC HT is compatible with all these types of separations and the resins used for these processes.

Optimal Flow Distribution

The frit technology used with YMC HT allows an optimal flow distribution. This leads to great packing results and chromatographic performance. The frits can easily be replaced for a long-term usage of YMC HT.

Glass Tempering Jacket

The tempering jacket of YMC HT is made of glass. This enables reliable tempering of the column during the process. Additionally, full organic solvent compatibility provides an efficient cleaning of the tempering jacket.



Download a detailed brochure of the YMC HT Glass Columns



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