

Empty glass columns for temperature sensitive purifications

Temperature control is very important in LC. On one hand, it helps to achieve reproducible chromatographic separation. On the other hand, the activity of the analytes can be protected by heating or cooling the column. For temperature sensitive applications on a laboratory scale, ECO columns with heating/cooling jackets are designed to serve these purposes.



The advantages are:

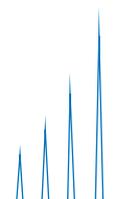
- Heating/cooling jacket is made of borosilicate glass 3.3: Full compatibility with organic solvents for efficient cleaning
- Consistent heating or cooling: Flexible application fields in a temperature range of 4–40 °C
- Easy and reliable connection: Olives made of a synthetic material used for the threads of the heating/cooling jacket are supplied with the column
- Long lifetime and constant transparency: Use of high quality materials

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“The YMC ECO column with water jacket is a valuable asset in our method development work. It gives us the freedom to explore temperature effects on a stable basis. Column packing is user friendly and all included connections should allow connection to any system.”

Brecht Verheyen, Janssen Belgium

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Specifications

Depending on the application, you can select between the solvent resistant version and the version for aqueous buffers. Additionally, different frit porosities are available to select the right frit for the gel to be packed.

ID [mm]	Pressure limit [bar]	Maximum bed length [mm]	Bed length range [mm]	Volume range [mL]
10	30	120	15–120	1.5–9
		200	95–200	9–15
		450	345–450	30–35
		750	645–750	55–58
		1,000	905–1,000	77–78
15	25	120	10–120	2–19
		200	90–200	18–32
		450	335–450	65–73
		750	635–750	121–122
		1,000	885–1,000	170–163
25	15	120	10–120	6–60
		200	90–200	55–100
		450	345–450	200–230
		750	645–750	375–390
		1,000	895–1,000	515–520
50	10	120	20–120	45–235
		200	100–200	225–390
		450	355–450	785–885
		750	655–750	1,450–1,480
		1,000	905–1,000	1,970–2,000



Are you looking for glass columns for self-packing with temperature control with an inner diameter larger than 50 mm?

With the YMC Pilot column line, you can get glass columns with a heating/cooling jacket made of borosilicate glass up to an inner diameter of 240 mm.

More information is available on our website or contact us via email or phone.

