

Care and Use Instructions

YMC-DispoPackAT

1. Introduction

Thank you for purchasing a YMC-DispoPackAT Flash chromatography column. YMC-DispoPackAT columns show excellent resolution with lower backpressure under high flow rate conditions. With this advantage, YMC-DispoPackAT is suitable for the rapid purification with high reproducibility of synthetic compounds as well as natural products.

YMC-DispoPackAT columns are manufactured under highly controlled conditions. To ensure optimal performance and stability of the column, please follow these instructions before use.

2. Specifications


Type	Cap fixed	
Particle shape	Spherical	Irregular
Particle size	25 μm	50 μm
Pressure limit	1.28 MPa	
Chemistries	SIL, NH ₂ , Diol, ODS	
Connection	Inlet end: Luer Lock Outlet end: Luer Slip	
Sizes available	About 12 g, 40 g	

3. Reference data

Size (g)	Column I. D. (mm)	Column O. D. (mm)	Cap O. D. (mm)	Packed bed length (mm)	Column outer length (mm)	Typical flow rate (mL/min)	Typical sample loading (g)
12	18	24	36	82	117	15	0.12~1.2
40	30	36	53	131	169	30	0.4~4.0

4. Precautions for use

- YMC-DispoPackAT columns are compatible with any organic solvents that are commonly used for liquid chromatography. Typical usable solvents are listed below.
 - [Reversed phase mode] acetonitrile, methanol, ethanol, and others
 - [Normal phase mode] hexane, ethanol, 2-propanol, ethyl acetate, dichloromethane and others
- Column hardware is made from polypropylene, and is designed for disposable use. Polypropylene generally swells in contact with halogenated solvents, such as dichloromethane, for long time. It is not recommended to store the column in such solvents. In case of hardware distortion or deterioration of packed bed during use, do not use the column but replace it with a new one.
- It is recommended to use YMC-DispoPackAT columns with the typical flow rates listed in the Reference data section. Adjust the flow rate in order to obtain the best performance.
- Backpressure varies depending on the solvent being used. Do not exceed the pressure rating of the column. Adjust the flow rate to maintain below the pressure rating, if necessary.
- Ask us for any information not stated above.

 Danger	Flammable	Putting the product close to the fire when using with flammable solvent is strictly prohibited. Or it may cause a fire or a scald.
	Bursting	An operator may be injured by bursting of the column if the product is being used at above the pressure limit. Please do not use it at above the limit pressure. Be careful with operation. Recommend using personal safety protections such as safety goggles.