

YMC KC-Packer

**Packing Station for Laboratory and Pilot Scale
Preparative Chromatography Columns**

YMC
EUROPE GMBH
The Selectivity Company
www.ymc.de

General Information

KC-50- and KC-100-Packers are mobile packing stations for preparative HPLC columns with internal diameters of 50 mm and 100 mm and lengths of 250 mm and 500 mm. The system allows variable bed lengths of 200-280 mm for 250 mm columns and 450-530 mm for 500 mm columns.

Working Principle

Axial compression is used in the packing process to compress bulk media into a tightly packed bed for high performance chromatography. The packed columns can be detached from the packing station and used for separations as normal columns. This also allows multiple columns to be packed by a single packing station. The packed columns can be used in both up- or downward flow directions.

Features

KC-Packer

- Ease of use, fast and simple column packing and unpacking
- Compact design [LWH: 500 x 500 x 1950 mm], mobile column stand
- Packing of any kind of HPLC bulk material is possible
- Excellent column bed stability, reproducible column efficiency
- Cost effective on-site packing

Column

- Design of piston, column seals and frits allows convenient dismantling and service
- Variable column bed length
- GMP compliant material (Stainless steel 316L, Teflon)



KC-50

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Part Numbers and Technical Information

KC-Packer

Part-Nr.	Description
KCP-50	Mobile packing station for columns with 50 mm internal diameter
KCP-100	Mobile packing station for columns with 100 mm internal diameter

Wetted parts: Stainless steel 316L, 316, PTFE

Hydraulic pump: Oil-drive

Necessary utility: Compressed air @ 5 - 7 bars

Column

Part-Nr.	Description	Bed length [mm]	Pressure Resistance [bar]
SBR-50-250	50 mm ID, 250 mm length	200 - 280	100
SBR-50-500	50 mm ID, 500 mm length	450 - 530	100
SBR-100-250	100 mm ID, 250 mm length	200 - 280	70
SBR-100-500	100 mm ID, 500 mm length	450 - 530	70

Frit: Stainless steel 316, 5 µm

Wetted parts: Stainless steel 316L, 316, PTFE

Connections: 1/8" male nut



KC-50



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(YMC offers documented / certified column packing and/or refill service at YMC Laboratories or at customer site.)