

GE Healthcare

Packing Connector XK 16, Packing Connector XK 26

Instructions

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IMPORTANT! Read through these entire instructions before commencing assembly.



General

The Packaging Connector XK 16 or XK 26 is used to connect another column, used as a packing reservoir, to a XK 16 or XK 26 column to achieve efficient packing.

A properly packed media bed is essential for obtaining the best results in all forms of liquid chromatography, particularly in gel filtration. The Packaging Connector makes it easy to obtain a well-packed bed of gel filtration and other media in XK 16 and XK 26 Columns, and is especially convenient for fast and easy packing of affinity, IEX and HIC media to short bed heights.

Unpacking

The package includes one Packaging Connector XK 16 or XK 26 with two seal rings. Inspect the items for obvious damage, that may have occurred during transportation.

Material

The Packaging Connector is made of reinforced polyacetal plastic. The sealing rings are made of ethylene propylene diene rubber (EPDM). The same material as used in XK columns.

Items needed but not supplied

For the best results when packing an XK 16 or XK 26 column, use a reservoir tube with the same length as the column you want to pack. Assembled, ready-to-use columns are available.

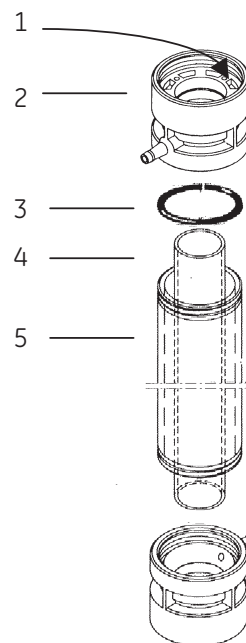
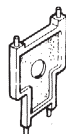
Refer to section *Ordering information*.

Required tools

A dismantling tool is required for assembling the reservoir tube. The tool is supplied with your XK column.

Assembling the column for use as a reservoir

1. Put the chromatographic tube (4) into the thermostatic jacket (5).
2. Screw one of the end pieces (2) into the thermostatic jacket (5), ensuring that the O-ring (3) is in place.
3. Put a sealing ring onto the end of the glass tube followed by a washer.
4. Screw the locking ring (1) into the end piece using the dismantling tool.
5. Repeat steps 2–4 for the other end of the column.



Preparing an XK column for packing

WARNING: When using hazardous chemicals, take all suitable protective measures, such as wearing protective glasses and gloves resistant to the chemicals used. Follow local regulations and instructions for safe operation and maintenance of the system.

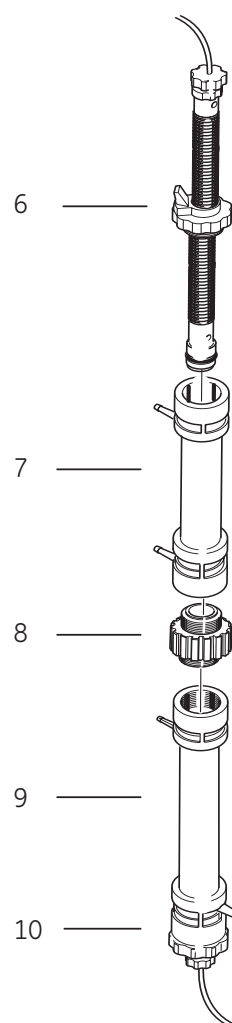
1. Remove air from the filter and fit the bottom piece (10) to the XK column to be packed. Tighten the O-ring with the black adjusting knob. Close the outlet.
2. Screw the Packing Connector (8) onto the top of the column to be packed (9).
3. Attach the column that serves as reservoir (7).
4. Pour the gel suspension into the reservoir and the column (7).
5. Fit the AK adapter (6) to the reservoir and lower it to the surface of the gel suspension. Tighten the O-ring with the black adjusting knob.
6. Connect the inlet tubing from the AK adapter (6) to the valve (pump).

Your column is now ready to pack.

Note! Use the flow rates recommended with the packing instructions for your specific media.

Note! The pressure limit is set by your XK column.

Note! The Packing Connector is not intended to be run as two columns in series.



Ordering information

<i>Products</i>	<i>Quantity/pack</i>	<i>Code no.</i>
Packing Connector XK 16	1	18-1153-44
Packing Connector XK 26	1	18-1153-45
Reservoir seal ring (XK 16)	5	19-0189-01
Reservoir seal ring (XK 26)	5	19-0190-01
XK 16/20 column	1	18-8773-01
XK 16/40 column	1	18-8774-01
XK 16/70 column	1	18-8775-01
XK 16/100 column	1	18-8776-01
XK 26/20 column	1	18-1000-72
XK 26/40 column	1	18-8768-01
XK 26/70 column	1	18-8769-01
XK 26/100 column	1	18-8770-01
Accessories		
– Chromatographic tubes		
XK 16/20 tube	1	19-0315-01
XK 16/40 tube	1	19-0113-01
XK 16/70 tube	1	19-0114-01
XK 16/100 tube	1	19-0115-01
XK 26/20 tube	1	18-1000-84
XK 26/40 tube	1	19-0145-01
XK 26/70 tube	1	19-0146-01
XK 26/100 tube	1	19-0147-01
– Thermostatic jackets		
XK 16, 20 cm jacket	1	18-0011-72
XK 16, 40 cm jacket	1	18-0011-73
XK 16, 70 cm jacket	1	18-0011-74
XK 16, 100 cm jacket	1	18-0011-75
XK 26, 20 cm jacket	1	18-1000-82
XK 26, 40 cm jacket	1	18-0011-67
XK 26, 70 cm jacket	1	18-0011-68
XK 26, 100 cm jacket	1	18-8791-01
– End pieces		
End piece complete XK 16	1	18-6488-01
End piece complete XK 26	1	18-6489-01

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