

Thermostat jackets JC 10, JC 16, JC 26

The JC thermostat jackets are available for all sizes of Pharmacia C-series columns with the exception of the 10 cm long C 10 column. They enable accurate temperature control to be applied to the chromatography column and allow moderately heat labile substances to be run at room temperature with improved reproducibility.

Unpacking

Please check the delivery against this list: 1 thermostat jacket tube with inlet and outlet connectors, 2 thermostat jacket end piece rings, 2 connectors.

Description

The thermostat jacket consists of three main parts; the tube with the water inlet and outlet connectors and the two end pieces. The material of the different parts of the thermostat jackets is indicated in the spare part list below.

Resistance

The thermostat jacket should only be used with water. Acrylic plastic is not resistant to alcohols, ethylene glycol or other organic solvents. The jackets may be used from 0-60°C and at pressures up to 0.1 MPa (1 bar). They should not be autoclaved.

Cleaning

Suitable cleaning agents are soapy water and laboratory detergents.

Instructions

Numbers refer to the exploded diagram below.

Mounting of the thermostat jacket

1. Dismantle the columns completely (refer to the column instructions) and remove the thermostat jacket end pieces.
2. Place one friction ring (2) approx. 10 mm from the end of the glass tube with the cone facing the centre of the tube. Use the friction rings supplied with the column.
3. Insert the glass tube into the thermostat jacket and place the other friction ring on the other end of the glass tube with the cone against the jacket.
4. Make sure that the distance from the friction ring to the end of the glass tube is equal at both ends.
5. Mount the jacket end pieces (1) on both ends using the ribbed section thread only. Tighten them firmly.
6. Again check that the glass tube is symmetrically positioned in the jacket.
7. Mount the column end pieces or adaptors needed.

Replacing the water inlet and outlet connectors

1. Dismantle the jacket.
2. Unscrew the tubing connector (B) from the nipple (A).
3. Remove the tubing connector, the nipple and the O-ring.
4. Reassemble the connectors reversing the procedure described above.



Spare parts

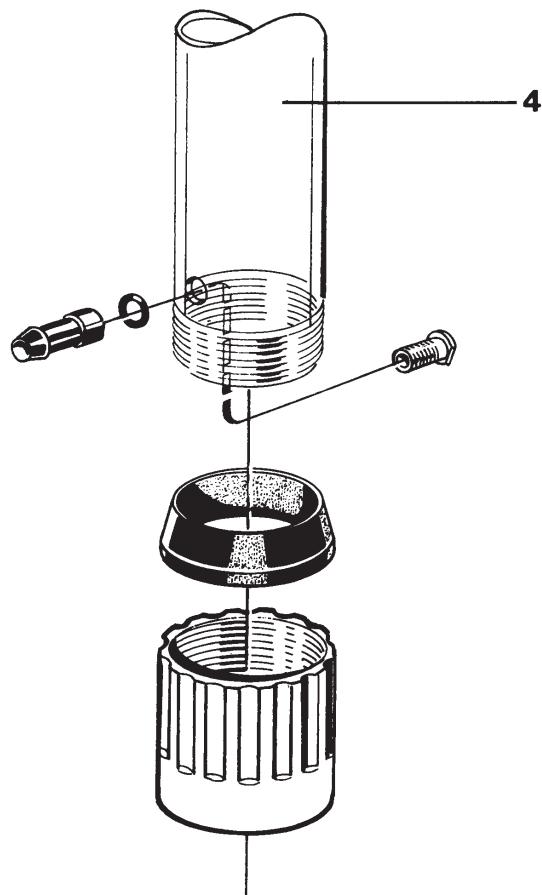
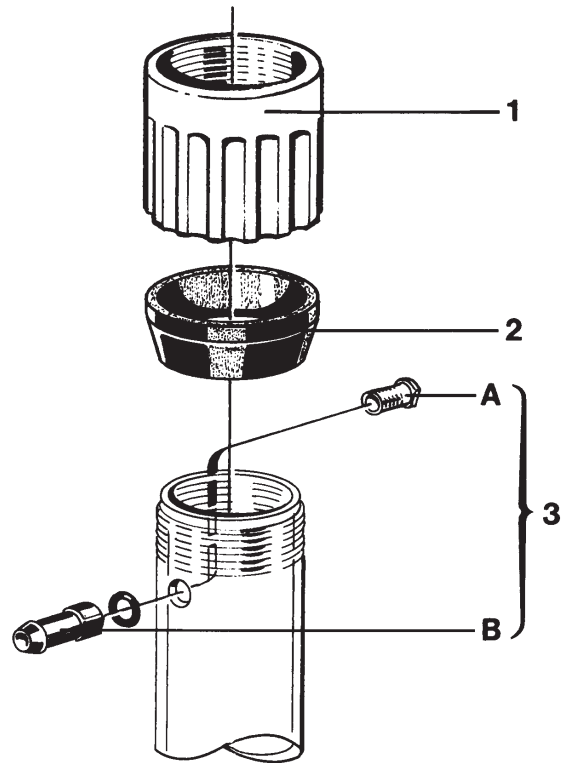
The exploded diagram below shows the position of the different parts of the jacket. For replacement please order according to the spare part list below using the appropriate code number. Note that the code numbers for all these thermostat jacket widths are included in the same table.

Code No. Item No.	Designation	JC 10	JC 16	JC 26	Material	No. Per pack
1	Jacket end pieces	19-5034-01	19-5134-01	19-5234-01	A	1
2	Friction ring	19-5020-01	19-5120-01	19-5220-01	C	5
3	Jacket connector	19-5251-01	19-5251-01	19-5251-01	A*	2
4	Jacket tube with two connectors					
	length 20 cm	19-5038-01	19-5145-01		B*	1
	40 cm	19-5039-01	19-5141-01	19-1539-01	B*	1
	70 cm	–	19-5142-01	19-5240-01	B*	1
	100 cm	–	19-5143-01	19-5241-01	B*	1

* Material of main component

Material

- A Polypropylene (glass fibre reinforced)
- B Acrylic plastic
- C Silicone rubber



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