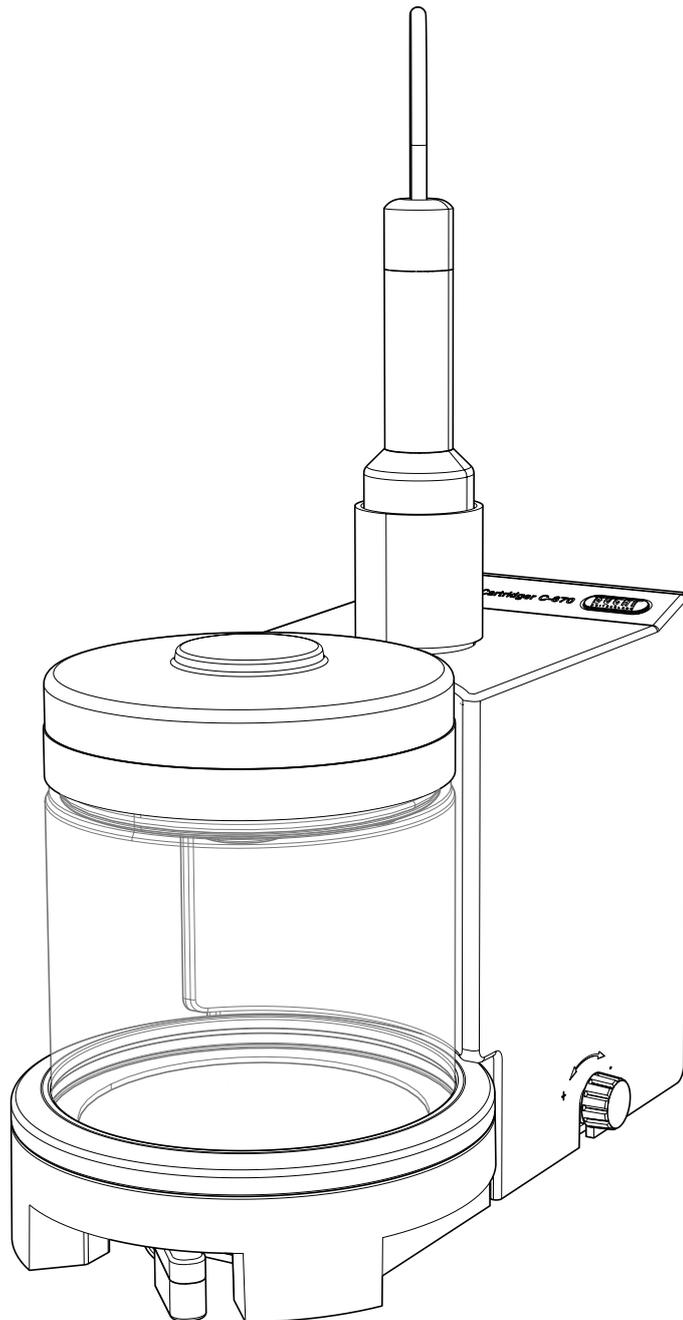# Cartridger® C-670
Technical data sheet

The Cartridger® C-670 is used for packing of high performance flash cartridges in seconds. Polypropylene (PP) or glass cartridges can be self-packed in high quality for a faster chromatographic separation. Any of the current chromatography gels with particle sizes between 30 – 200 µm can be used.

Scope of delivery

Components	Variant 1 044977	Variant 2 054000	Variant 3 044500	Variant 4 045280
Cartridger module	1	1	1	1
Vacuum tube	1	1	1	1
Cartridge holder	1	1	1	1
Protective lid	1	1	1	1
Test tube	1	1	1	1
Operation Manual	1	1	1	1
Small vessel and cover for 12 & 40 mm PP cartridges	1	-	-	-
Small vessel and cover for 25 mm glass cartridges	-	1	-	-
Large vessel and cover for 12 & 40 mm PP cartridges	-	-	1	-
Large vessel and cover for 25 mm glass cartridges	-	-	-	1

Order code

0	4	4	9	7	7

Variant 1: Cartridger C-670
small vessel and cover for 12 and 40 mm PP cartridges

0	5	4	0	0	0

Variant 2: Cartridger C-670
small vessel and cover for 25 mm glass cartridges

0	4	4	5	0	0

Variant 3: Cartridger C-670
large vessel and cover for 12 and 40 mm PP cartridges

0	4	5	2	8	0

Variant 4: Cartridger C-670
large vessel and cover for 25 mm glass cartridges

Technical data

Dimensions (W × H × D)	220 × 315 × 450 mm
Weight	7.5 kg
Current consumption	none
Voltage	none
Compatible cartridge sizes	all BUCHI empty cartridges
Tube connections	ID 6 mm for pressurized gas / air and vacuum
Requirements	Gas / air and vacuum => oil-free and dry
	Vacuum source: Vacuum flow ≥ 1 m3 / h
	Vacuum ≤ 20 mbar

Accessories

|	Order number
12 × 40 mm cover tools	045275
25 mm cover tools	045276
Large vessel with 12 & 40 mm tools	044800
Large vessel with 25 mm tools	044206
Small vessel with 12 & 40 mm tools	054006
Small vessel with 25 mm tools	054001
Empty PP cartridges 12 × 75 mm, 50 units	044880
Empty PP cartridges 12 × 150 mm, 50 units	044881
Empty PP cartridges 40 × 75 mm, 50 units	044882
Empty PP cartridges 40 × 150 mm, 50 units	044883
Set of 50 frits diam. 12 mm	044592
Set of 50 frits diam. 40 mm	044593
Glass cartridge 25 × 150 mm and 50 frits	045274
Set of 50 frits for glass cartridges 25 mm	045272
Adapter set for 12 mm PP cartridges	044814
Adapter set for 40 mm PP cartridges	044815
Adapter set for 25 mm glass cartridges	045235
Air Maintenance Unit	004366
Prep Elut Adapter 12 mm	044877
Biotage adapter	044027
Isco adapter	045251
Jones adapter	045250
FFKM O-Ring for 12 mm cartridge adapter	044581
FFKM O-Ring for 40 mm cartridge adapter	044582
PTFE Seal for 12 mm cartridge adapter	044378

Functional principle

The packing process consists of two steps. In the first step A the stationary phase is fluidized by the flowing through of gas or compressed air. Silica gel is thereby homogenized and the friction of the particles against one another is considerably reduced. In the second step B the cartridge is packed using vacuum and sealed with two frits.
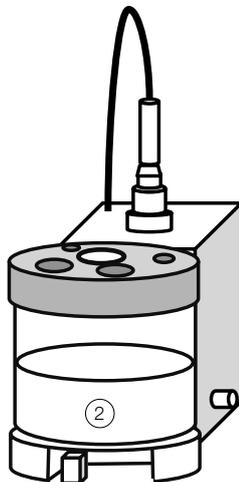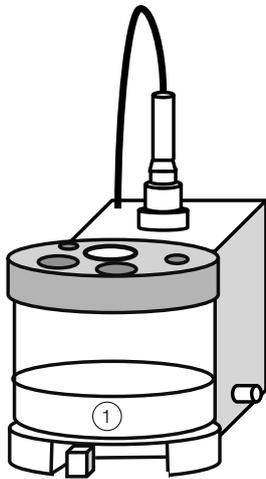
A Fluidization step of stationary phase

① Silica
② Silica with gas or compressed air
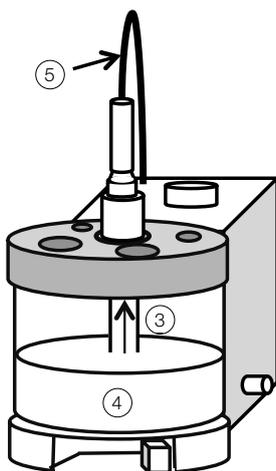
B Packing step using vacuum

③ Cartridge
④ Silica with gas or compressed air
⑤ Vacuum

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