

Packing adapter – Handy accessory for packing glass columns

Packing adapters are a valuable addition to your glass column. If the required volume exceeds the maximum column volume, packing adapters provide the additional capacity needed.

Especially handy: For each ECO and ECO^{PLUS} glass column inner diameter, there is a specific packing adapter. This guarantees that for every column ID, the optimum packing results are achieved.

Exceptional flow properties

The inner diameter and shape of the glass bodies of the column and the packing adapter are exactly the same. Securely and tightly fixated by the coupling unit, the main column and additional glass body form one unit. This guarantees an even flow path. Since the same piston is used as for the main column, the flow is distributed optimally through a fully porous frit. In conclusion, the packing material settles homogeneously and a uniform packing density is achieved over the entire bed length.

Full flexibility and long-lasting hardware

The coupling units are designed to fit every column of the related product line with the same ID. This allows the use of one packing adapter for several columns. There are AB (Aqueous Buffer) and SR (Solvent Resistant) versions available to ensure full compatibility with all packing materials and solvents. In addition, as the columns use the same glass body as the packing adapter, the length of the column and the packing adapter can be easily rearranged by combining or exchanging for different lengths. Maintenance, cleaning and exchanging spare parts is performed rapidly and easily. Each packing adapter is tested on pressure stability and functionality. A corresponding test certificate is supplied.

Fast to assemble, easy to use

ECO and ECO^{PLUS} coupling units are quickly connected to the main column via the exact same locking mechanism. No tools are required. When the consolidation of the packing material is finished, the excess solvent in the packing tube can be conveniently removed via a syringe, so wastage of resin and solvent is minimized. After removing the packing adapter, the column is ready for the compression stage and you are one step closer to your perfectly packed column.



Your advantages are:

- **Perfect flow properties** resulting in homogeneously packed column beds
- **Full flexibility** with regards of column length, inner diameter and chemical resistance
- **Low resin and solvent wastage** due to innovative design
- **Easy maintenance – no tools are required**
- **Long-lasting, cost-efficient** equipment with reliable pressure resistance

Specifications and Ordering Guide

The adapter consists of a coupling unit and an empty glass body. The length of the additional glass body should be selected to allow:

- Double the volume of slurry compared to the required packed bed volume if packing silica materials
- Triple the volume of slurry for softer packing materials.

1 Select the coupling unit

ECO coupling units

AB versions

Part No.	ID [mm]	Pressure limit [bar]
ECO10KU/V-3	10	30
ECO15KU/V-3	15	25
ECO25KU/V-3	25	15
ECO50KU/V-3	50	10
ECO70KU/E-2	70	1
ECO80KU/E	80	1

SR versions

Part No.	ID [mm]	Pressure limit [bar]
ECO10KU/K-3	10	30
ECO15KU/K-3	15	25
ECO25KU/K-3	25	15
ECO50KU/K-3	50	10

ECO^{PLUS} coupling units

AB versions

Part No.	ID [mm]	Pressure limit [bar]
TAC05KU-AB	5	5
TAC10KU-AB	10	5
TAC15KU-AB	15	5
TAC25KU-AB	25	5
TAC35KU-AB	35	5
TAC50KU-AB	50	5

SR versions

Part No.	ID [mm]	Pressure limit [bar]
TAC05KU-SR	5	5
TAC10KU-SR	10	5
TAC15KU-SR	15	5
TAC25KU-SR	25	5
TAC35KU-SR	35	5
TAC50KU-SR	50	5

2 Select the glass body

ECO glass body

Inner diameter [mm]	10, 15, 25, 50, 70, 80
Maximum bed length [mm]	120, 200, 450, 750, 1000

ECO^{PLUS} glass body

Inner diameter [mm]	5, 10, 15, 25, 35, 50
Maximum bed length [mm]	125, 250, 500

The part number for the glass body is composed of:

ECOID/length e.g. ECO10/120

TACID/length-2 e.g. TAC10/125-2

*Please contact us for an offer!
Gladly we support you in selecting
your packing adapter.*