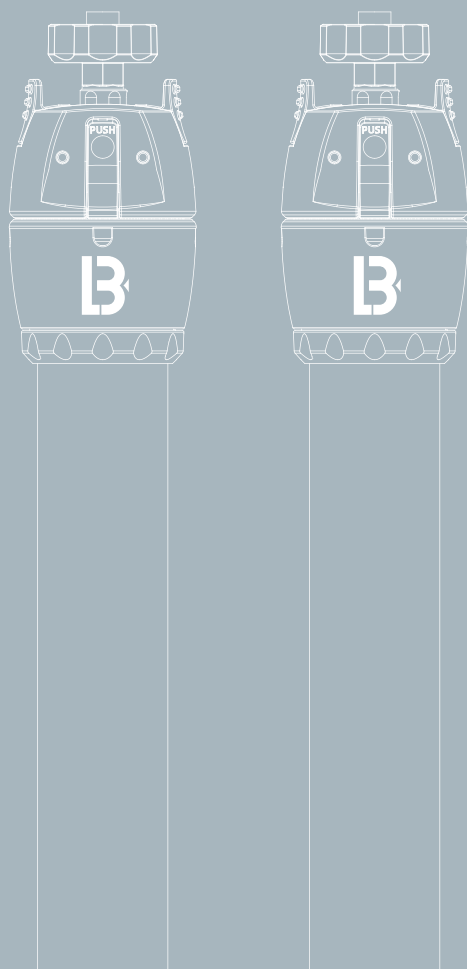




Chrom-LinX[®]

Laboratory Grade Empty
Chromatography Columns



Chrom-LinX® Laboratory Grade Empty Chromatography Columns

Chrom-LinX® laboratory grade empty chromatography columns (Fig 1) is a family of chromatography column designed for simple operation, high pressure resistance and flexible adjustment, which is suitable for process development, process verification, quality testing and preparative small-scale sample purification.

Features and benefits of Chrom-LinX® columns include:

- User-friendly design: Ergonomically design the components for easy grasping and handling
- Clear view: Equipped with a measurement scale of glass tube for easy to predict and reach a predefined bed height and improving process reproducibility
- High pressure resistance: compatible with common resins of different particle sizes allowing operation up to 20 bar* (2 MPa, 290 psi) pressure
- Various sizes: Glass tubes with inner diameter (i.d.) of 10 mm, 16 mm, 26 mm or 50 mm, and bed height of 200 mm, 400 mm, 700 mm or 1000 mm provide a wide range of column volumes
- High flexibility: Equipped with single/double adjustable capital for flexible expansion of column volumes
- Easy to clean: Each component for easy assembling removing and cleaning
- Compatibility: Supplied with tubing and connectors suitable for a variety of common laboratory tomographic systems



Fig 1. Chrom-LinX® laboratory grade empty chromatography columns

*The columns withstands pressures up to 7 bar (0.7 MPa, 101.5 psi) with 50 mm inner diameter

Product Characteristics

Chrom-LinX® laboratory grade empty chromatography columns are divided into two designs: single adjustable capital and double adjustable capital. The design of single adjustable capital mainly consists of a adjustable capital, a chromatography column tube and a fixed capital. The design of double adjustable capital replaces the fixed capital with an adjustable capital to extend the column volume (Fig 2).

Chrom-LinX® laboratory grade empty chromatography columns is standard equipped with 10 µm net ring (5 µm net ring being also optional), which is compatible with common resins of different particle sizes.



Fig 2. Components of the Chrom-LinX® laboratory grade empty columns

Chemical resistance

Chrom-LinX® laboratory grade empty chromatography columns are made of biocompatible materials with good chemical tolerance. The columns can be used in aqueous solutions and almost all the organic solvents commonly used in liquid chromatography of macromolecules. The columns are intolerant of chlorinated hydrocarbons, acetone and other ketones, aliphatic esters, and phenol. The columns are not allowed to use the solution containing more than 2 M NaOH, 1 M HCl, other strong mineral acids, or 75% acetic acid.

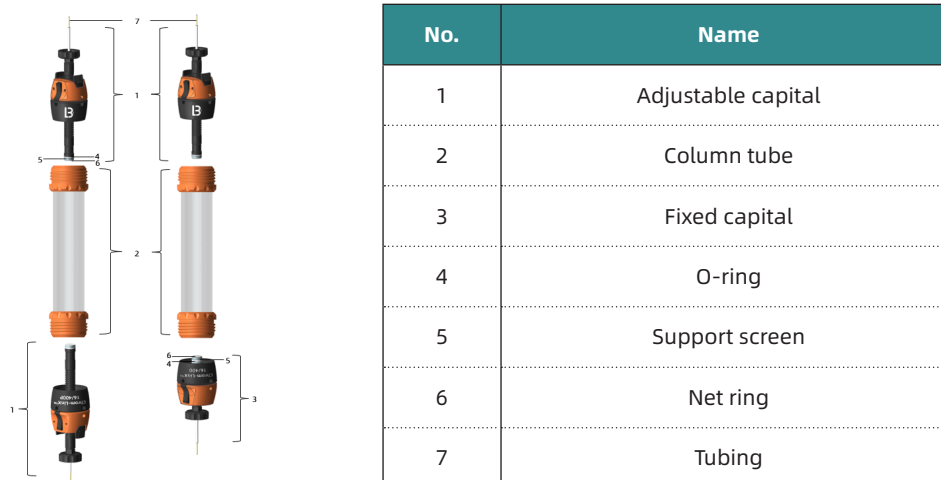


Fig 3. Details of the Chrom-LinX® laboratory grade empty columns

Instructions

Chrom-LinX® laboratory grade empty chromatography columns may be used at temperatures from 4° C to 40° C and pressures up to 20 bar (2 MPa, 290 psi) with inner diameters of 10 mm, 16 mm and 26 mm, and 7 bar (0.7 MPa, 101.5 psi) with an inner diameter of 50 mm.

Always clean the column and components with purified water before using.

When packing the column, the double top cap can be rotated, and the threaded shaft moves axially. This operation makes the resins easy to compress. If necessary, column packing can be performed using either a packing tube (Fig 4) or an extra column tube attached with a packing connector.

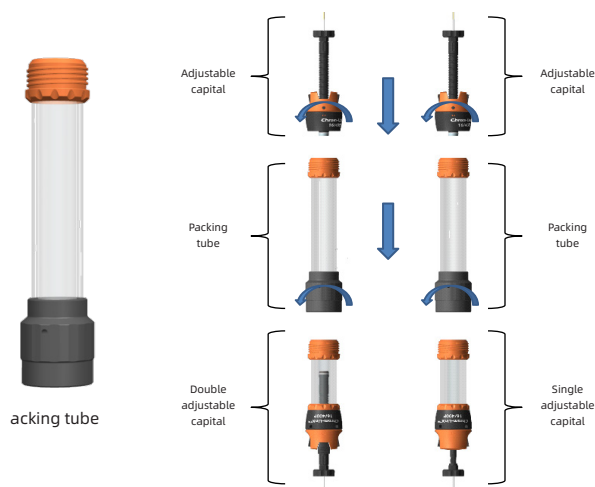


Fig 4. Packing tube operations of the Chrom-LinX® laboratory grade empty columns

Ordering information

Empty columns

Table 1. Parameter of the Chrom-LinX® laboratory grade empty columns

Product code*	Column**	Column height (mm)	Bed height (mm)	Bed volume (ml)
2110-1111	Chrom-LinX 10/200	200	0-155	0-12
2110-1112	Chrom-LinX 10/400	400	225-355	18-28
2110-1122	Chrom-LinX 10/400P	400	0-355	0-28
2116-1111	Chrom-LinX 16/200	200	0-155	0-31
2116-1112	Chrom-LinX 16/400	400	225-355	45-71
2116-1122	Chrom-LinX 16/400P	400	0-355	0-71
2116-1113	Chrom-LinX 16/700	700	525-655	105-132
2116-1123	Chrom-LinX 16/700P	700	355-655	71-132
2116-1114	Chrom-LinX 16/1000	1000	825-955	166-192
2116-1124	Chrom-LinX 16/1000P	1000	655-955	132-192
2126-1111	Chrom-LinX 26/200	200	0-155	0-82
2126-1112	Chrom-LinX 26/400	400	225-355	119-188
2126-1122	Chrom-LinX 26/400P	400	0-355	0-188
2126-1113	Chrom-LinX 26/700	700	525-655	278-347
2126-1123	Chrom-LinX 26/700P	700	355-655	188-347
2126-1114	Chrom-LinX 26/1000	1000	825-955	438-507
2126-1124	Chrom-LinX 26/1000P	1000	655-955	347-507
2150-1111	Chrom-LinX 50/200	200	0-155	0-304
2150-1112	Chrom-LinX 50/400	400	225-355	441-697
2150-1122	Chrom-LinX 50/400P	400	0-355	0-697
2150-1113	Chrom-LinX 50/700	700	525-655	1030-1285
2150-1123	Chrom-LinX 50/700P	700	355-655	697-1285
2150-1114	Chrom-LinX 50/1000	1000	825-955	1619-1874
2150-1124	Chrom-LinX 50/1000P	1000	655-955	1285-1874

* The specifications of the following item numbers are 1 per package

** The "P" after the column stands for equipped with two adjustable capitals

Packing tube

Product code	Product name	No. per pack
2720-1001	10 packing tube	1
2720-1601	16 packing tube	1
2720-2601	26 packing tube	1
2720-5001	50 packing tube	1

Spare and accessory parts

Product code *	10mm	16mm	26mm	50mm	No. per pack
O-ring	2719-1003	2719-1603	2719-2603	2719-5003	5
Support screen	2721-1001	2721-1601	2721-2601	2721-5001	5
Net ring, 10 µm	2724-1011	2724-1611	2724-2611	2724-5011	5
Net ring, 5 µm	2724-1052	2724-1652	2724-2652	2724-5052	5
Adjustable capital	2730-1001	2730-1601	2730-2601	2730-5001	1
Column tube 200mm	2731-1001	2731-1601	2731-2601	2731-5001	1
Column tube 400mm	2731-1002	2731-1602	2731-2602	2731-5002	1
Column tube 400mm, P	2731-1012	2731-1612	2731-2612	2731-5012	1
Column tube 700mm	-	2731-1603	2731-2603	2731-5003	1
Column tube 700mm, P	-	2731-1613	2731-2613	2731-5013	1
Column tube 1000mm	-	2731-1604	2731-2604	2731-5004	1
Column tube 1000mm, P	-	2731-1614	2731-2614	2731-5014	1
Fixed capital	2732-1001	2732-1601	2732-2601	2732-5001	1
Union, 10-32	2726-1001	2726-1001	2726-1001	-	10
Union, 10-32 to 5-16	-	-	-	2726-1002	10
Union, 10-32 to M6	-	-	-	2726-1003	10
Union, 10-32 to luer taper	2726-1004	2726-1004	2726-1004	-	10
Union, 3-16	-	-	-	2726-3101	10
Union, 1-8	-	-	-	2726-1801	10
Stop plug, male, 10-32	2727-1001	2727-1001	2727-1001	-	10
Stop plug, female, 10-32	2727-1002	2727-1002	2727-1002	-	10

Product code *	10mm	16mm	26mm	50mm	No. per pack
Bi-pass, 10-32	2728-1001	2728-1001	2728-1001	-	10
Bi-pass, M6	-	-	-	2728-0601	10
Ferrules for 1/16"	2725-1601	2725-1601	2725-1601	-	5
Ferrules for 1/8"	-	-	-	2725-1801	5
PEEK tubing, 0.75 mm i.d.	2729-1601	2729-1601	2729-1601	-	2 m
PEEK tubing, 2 mm i.d.	-	-	-	2729-1801	2 m
Capillary tubing, 0.75 mm i.d.	2733-1601	2733-1601	2733-1601	-	2 m
Capillary tubing, 1.6 mm i.d.	-	-	-	2733-1801	2 m
Accessory kit**	2723-1001	2723-1601	2723-2601	2723-5001	1

* The "P" after the column stands for equipped with two adjustable capitals.

** The accessory kit includes 2 stop plugs (female), 2 union, 2 O-ring and 2 support screen (10 µm).

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The company focuses on the development and production of the key processing equipment and materials for vaccines, antibodies, cell therapies, gene therapies and other biological products. Bio-Link's portfolio of offerings cover the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography purification, filtration and ultrafiltration, as well as process development services. Bio-Link is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

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