

AxiChrom™ 50-200 columns

Bed Support conversion kit
instructions



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1 Introduction

Purpose

This document is an information guide that provides details of the parts required to convert AxiChrom™ 50-200 columns from the use of steel bed supports to plastic bed supports and vice-versa.

About this manual

This manual has separate chapters for different column sizes of AxiChrom 50-200 columns. The chapters have detailed part lists required for conversion of the bed support from steel to plastic and vice-versa in AxiChrom 50-200 columns. Refer to the lists based on your specific column size requirement.

The lists provide details of parts needed for conversion of the Bed Support. Choose parts based on Bed Support porosity (10 or 20 µm) and add this number to the part number. The item **Pos no.** in the lists refers to list of parts and diagrams in the *AxiChrom 50-200 columns Operating Instructions (29379190)*.

Associated documentation

For disassembly and assembly instructions, refer to the *AxiChrom 50-200 columns Operating Instructions (29379190)*.

2 AxiChrom 50

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2.1 AxiChrom 50 steel bed support to plastic bed support

The following table provides a list of parts required for conversion of steel bed support to plastic bed support in AxiChrom 50.

Steel Bed Support to Plastic Bed Support - AxiChrom 50					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28988320	Bed support 50 top/ bottom 20 µm PE	301, 302	2	2	PE
For 10 µm					
28988322	Bed support 50 top/ bottom 10 µm UHMWPE	301, 302	2	2	UHMWPE
Independent of net porosity					
28988329	Hex socket screw M3×12.5 PE bed support	401	6	6	N/A
28988312	Distributor 50 top PE bed support	402	1	1	PEEK
28988316	Distributor 50 bottom PE bed support	404	1	1	PEEK
28988332	Tube id 1.7 cpl PE bed support	405	1	1	PVDF
28924522	O-ring 28.3×1.78 EPDM	409	1	1	N/A
28988461	Washer 3.2 × 9 × 0.8	412	6	6	N/A
28988459	O-ring 2.5×1.3 EPDM	413	6	6	N/A
28988325	Snap ring 50 top/ bottom PE bed support	421	1	2	PTFE
28988334	Support net 50 PE bed support	422	2	2	PP
28987619	Adaptor plate 50 PE bed support	501	1	1	N/A
28988309	Bottom plate 50 PE bed support	502	1	1	N/A
28982031	Removal tool	N/A	1	1	N/A

2.2 AxiChrom 50 plastic bed support to steel bed support

The following table provides a list of parts required for conversion of plastic bed support to steel bed support in AxiChrom 50.

Plastic Bed Support to Steel Bed Support - AxiChrom 50					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28963415	Bed support 50 top 20 SS	301	1	1	EN 1.4404 (316L) PEEK
28963228	Bed support 50 bottom 20 SS	302	1	1	EN 1.4404 (316L) PEEK
28963437	Adaptor AxiChrom 50, 20 µm	501	1	1	EN 1.4462
28963077	Bottom plate AxiChrom 50, 20 µm	502	1	1	EN 1.4462
For 10 µm					
28924562	Bed support 50 top 10 SS	301	1	1	EN 1.4404 (316L) PEEK
28401849	Bed support 50 Bottom 10 SS	302	1	1	EN 1.4404 (316L) PEEK
28966755	Adaptor AxiChrom 50, 10 µm	501	1	1	EN 1.4462
28966775	Bottom plate AxiChrom 50, 10 µm	502	1	1	EN 1.4462
Independent of net porosity					
28901470	Screw M3×8 SS	401	6	6	N/A
28963219	Adaptor tube id 1,7 mm L 637 mm	405	1	1	PVDF
28963367	O-ring 28.3×1.78 EPDM	410	1	1	EPDM
28963194	O-ring 34.646×1.78 EPDM	411	2	1	EPDM

3 AxiChrom 70

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3.1 AxiChrom 70 steel bed support to plastic bed support

The following table provides a list of parts required for conversion of steel bed support to plastic bed support in AxiChrom 70.

Steel Bed Support to Plastic Bed Support - AxiChrom 70					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28988341	Bed support 70 top/ bottom 20 µm PE	301, 302	2	2	PE
For 10 µm					
28988338	Bed support 70 top/ bottom 10 µm UHMWPE	301, 302	2	2	UHMWPE
Independent of net porosity					
28988329	Hex socket screw M3×12.5 PE bed support	401	6	6	N/A
28988344	Distributor 70 top PE bed support	402	1	1	PEEK
28988345	Distributor 70 bottom PE bed support	404	1	1	PEEK
28988333	Tube id 2.9 cpl PE bed support	405	1	1	PVDF
28963418	O-ring 47×2 EPDM	409	1	1	N/A
28988461	Washer 3.2 × 9 × 0.8	412	6	6	N/A
28988459	O-ring 2.5×1.3 EPDM	413	6	6	N/A
28988328	Snap ring 70 top/ bottom PE bed support	421	1	2	PTFE
28988335	Support net 70 PE bed support	422	2	2	PP
28988337	Adaptor plate 70 PE bed support	501	1	1	N/A
28988343	Bottom plate 70 PE bed support	502	1	1	N/A
28982031	Removal tool	N/A	1	1	N/A

3.2 AxiChrom 70 plastic bed support to steel bed support

The following table provides a list of parts required for conversion of Plastic Bed Support to Steel Bed Support in AxiChrom 70.

Plastic Bed Support to Steel Bed Support- AxiChrom 70					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28963430	Bed support 70 top 20 SS	301	1	1	EN 1.4404 (316L) PEEK
28963267	Bed support 70 bottom 20 SS	302	1	1	EN 1.4404 (316L) PEEK
28963433	Adaptor AxiChrom 70, 20 µm	501	1	1	EN 1.4462
28963222	Bottom plate AxiChrom 70, 20 µm	502	1	1	EN 1.4462
For 10 µm					
28924574	Bed support 70 top 10 SS	301	1	1	EN 1.4404 (316L) PEEK
28401931	Bed support 70 bottom 10 SS	302	1	1	EN 1.4404 (316L) PEEK
28966770	Adaptor AxiChrom 70, 10 µm	501	1	1	EN 1.4462
28966779	Bottom plate AxiChrom 70, 10 µm	502	1	1	EN 1.4462
Independent of net porosity					
28901470	Screw M3×8 SS	401	6	6	N/A
28963326	Adaptor tube id 2.9 L=636	405	1	1	PVDF
28963418	O-ring 47×2 EPDM	410	1	1	EPDM
28963254	O-ring 54×2 EPDM	411	2	1	EPDM

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4.1 AxiChrom 100 steel bed support to plastic bed support

The following table provides a list of parts required for conversion of steel bed support to plastic bed support in AxiChrom 100. The item Pos no. in the lists refers to list of parts and diagrams in the AxiChrom 50-200 columns manual.

Steel Bed Support to Plastic Bed Support - AxiChrom 100					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28981126	Bed support 100 top/ bottom 20 µm PE	301, 302	2	2	PE
For 10 µm					
28981127	Bed support 100 top/ bottom 10 µm UHMWPE	301, 302	2	2	UHMWPE
Independent of net porosity					
28981172	Distributor 100 top PE bed support	402	1	1	PP
28981173	Distributor 100 bottom PE bed support	404	1	1	PP
28933003	Hexagon Socket Head Cap Screw ISO 4762 M3 x 25 A4-70	403	6	8	N/A
28988333	Tube id 2.9 cpl PE bed support	405	1	1	PVDF
28932992	O-ring 3.69×1.78 EPDM	413	8	8	N/A
28981174	Snap ring 100 top/ bottom PE bed support	421	1	2	PTFE
28981122	Adaptor plate 100 PE bed support	501	1	1	N/A
28981123	Bottom plate 100 PE bed support	502	1	1	N/A
28982031	Removal tool	N/A	1	1	N/A

4.2 AxiChrom 100 plastic bed support to steel bed support

The following table provides a list of parts required for conversion of Plastic Bed Support to Steel Bed Support in AxiChrom 100.

Plastic Bed Support to Steel Bed Support- AxiChrom 100					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28963333	Bed support 100 top 20 SS	301	1	1	EN 1.4404 (316L) PEEK
28933001	Bed support 100 bottom 20 SS	302	1	1	EN 1.4404 (316L) PEEK
For 10 µm					
28401981	Bed support 100 Adaptor 10 SS	301	1	1	EN 1.4404 (316L) PEEK
28932999	Bed support 100 bottom 10 SS	302	1	1	EN 1.4404 (316L) PEEK
Independent of net porosity					
28978951	Adaptor AxiChrom 100	501	1	1	EN 1.4462
28401948	Bottom plate 100	502	1	1	EN 1.4462
28963358	End cell 100	402, 404	1	2	PP
28963326	Adaptor tube id 2.9 L=636	405	1	1	PVDF
28963306	O-ring 70×2.5 EPDM	411	3	2	EPDM
28932992	O-ring 3.69×1.78 EPDM	413	8	8	N/A

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5.1 AxiChrom 140 steel bed support to plastic bed support

The following table provides a list of parts required for conversion of steel bed support to plastic bed support in AxiChrom 140.

Steel Bed Support to Plastic Bed Support - AxiChrom 140					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28981525	Bed support 140 top/ bottom 20 µm PE	301, 302	2	2	PE
For 10 µm					
28981526	Bed support 140 top/ bottom 10 µm UHMWPE	301, 302	2	2	UHMWPE
Independent of net porosity					
28981513	Distributor 140 top PE bed support	402	1	1	PP
28981514	Distributor 140 bottom PE bed support	404	1	1	PP
28981522	Snap ring 140 top/ bottom PE bed support	421	1	2	PTFE
28982031	Removal tool	N/A	1	1	N/A

5.2 AxiChrom 140 plastic bed support to steel bed support

The following table provides a list of parts required for conversion of plastic bed support to steel bed support in AxiChrom 140.

Plastic Bed Support to Steel Bed Support - AxiChrom 140					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted material
For 20 µm					
28941995	Bed support 140 top 20 µm SS	301	1	1	EN 1.4404 (316L) PEEK
28941999	Bed support 140 bottom 20 µm SS	302	1	1	EN 1.4404 (316L) PEEK
For 10 µm					
28941974	Bed support 140 top 10 µm SS	301	1	1	EN 1.4404 (316L) PEEK
28941997	Bed support 140 bottom 10 µm SS	302	1	1	EN 1.4404 (316L) PEEK
Independent of net porosity					
28942001	End cell top AxiCh 140	402	1	1	PP
28942004	End cell bottom AxiCh 140	404	1	1	PP
28942012	O-ring 99.5×3 EPDM	411	1	2	EPDM

6 AxiChrom 200

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6.1 AxiChrom 200 steel bed support to plastic bed support

The following table provides a list of parts required for conversion of steel bed support to plastic bed support in AxiChrom 200.

Steel Bed Support to Plastic Bed Support - AxiChrom 200					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ column	Wetted mate- rial
For 20 µm					
28981558	Bed support 200 top/ bottom 20 µm PE	301, 302	2	2	PE
For 10 µm					
28981559	Bed support 200 top/ bottom 10 µm UHMWPE	301, 302	2	2	UHMWPE
Independent of net porosity					
28981536	Distributor 200 top, PE bed support	402	1	1	PP
28981537	Distributor 200 bottom PE bed support	404	1	1	PP
28981554	Snap ring 200 top/ bottom PE bed support	421	1	2	PTFE
28982031	Removal tool	N/A	1	1	N/A

6.2 AxiChrom 200 plastic bed support to steel bed support

The following table provides a list of parts required for conversion of plastic bed support to steel bed support in AxiChrom 200.

Plastic Bed Support to Steel Bed Support - AxiChrom 200					
Spare part/ Accessory number	Description	Pos no.	Qty/ Pack	Qty/ Column	Wetted mate- rial
For 20 µm					
28942016	Bed support 200 top 20 µm SS	301	1	1	EN 1.4404 (316L) PEEK
28942020	Bed support 200 bottom 20 µm SS	302	1	1	EN 1.4404 (316L) PEEK
For 10 µm					
28942014	Bed support 200 top 10 µm SS	301	1	1	EN 1.4404 (316L) PEEK
28942018	Bed support 200 bottom 10 µm SS	302	1	1	EN 1.4404 (316L) PEEK
Independent of net porosity					
28942022	End cell top AxiCh 200	402	1	1	PP
28942024	End cell bottom AxiCh 200	404	1	1	PP
28942029	O-ring 158.5×3 EPDM	411	1	2	EPDM

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29018459 AD V:12 05/2023