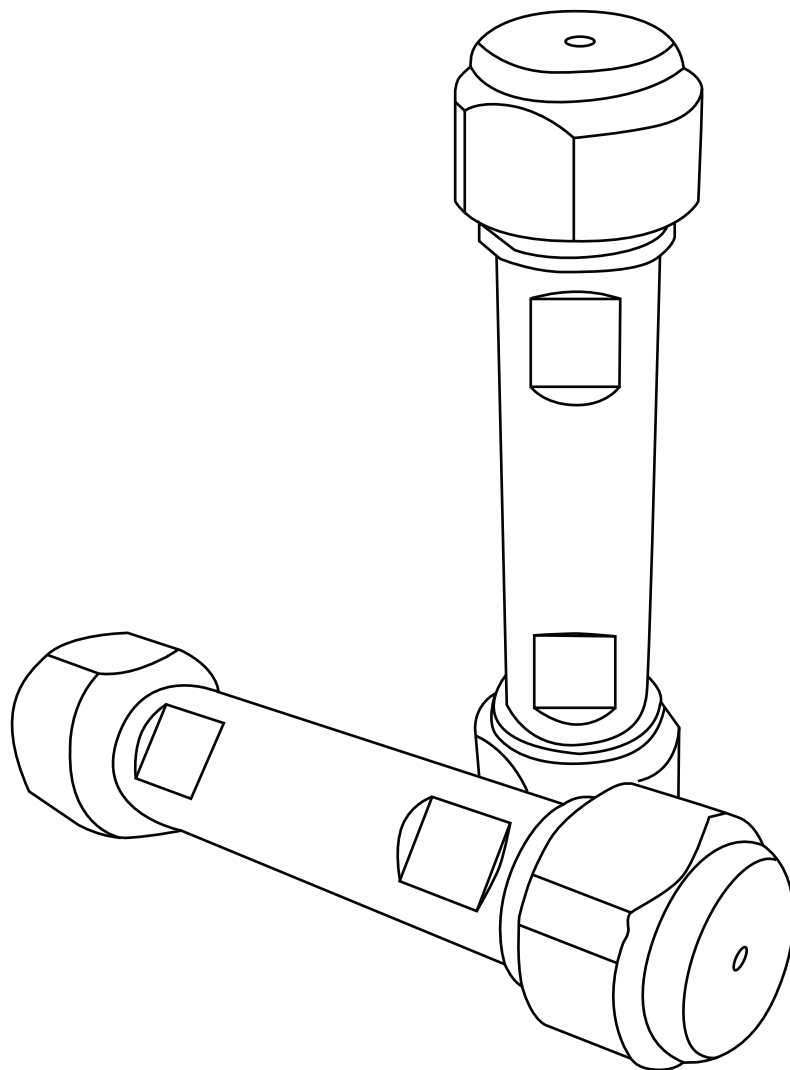




PrepPure HPLC Columns

Technical data sheet

PrepPure HPLC columns are filled with high quality silica based materials and allow to perform high resolution separations. Easy scalability from 4.6-70 mm ID, phases for standard and targeted applications make PrepPure the first choice for best results.



Phase specifications

	Particle shape	Pore size Å	End capping	Carbon content %	Surface g/m ²
Silica	spherical	60	N/A	N/A	500
C18	spherical	100	Yes	16.5	300
C18 AQ	spherical	100	Yes	11	250
C4	spherical	300	Yes	4	100

Column specifications

ID mm	Lengths mm	Column volume ml	Default flow rate ml/min	Max. pressure bar
4.6	150	2.50	0.5-2	400
	250	4.10	0.5-2	400
10	150	12.00	2.5-10	400
	250	20.00	2.5-10	400
20	150	47.00	10-40	300
	250	79.00	10-40	300
30	150	106.00	20-80	210
	250	177.00	20-80	210
50	150	300.00	60-200	140
	250	490.00	60-200	140
70	150	478.00	100-400	130
	250	962.00	100-400	130

Loading capacities

ID mm	Length mm	Loading capacity g			
		Silica		C18, C18 AQ, C4	
		min	max	min	max
4.6	150	0.022	0.223	0.002	0.022
	250	0.037	0.366	0.004	0.036
10	150	0.107	1.071	0.011	0.107
	250	0.179	1.785	0.018	0.178
20	150	0.419	4.195	0.041	0.417
	250	0.705	7.051	0.070	0.702
30	150	0.946	9.461	0.093	0.941
	250	1.580	15.797	0.156	1.572
50	150	2.678	26.775	0.264	2.664
	250	4.373	43.733	0.431	4.351
70	150	4.266	42.662	0.421	4.245
	250	8.586	85.859	0.847	8.543

PrepPure part numbers

All PrepPure columns are delivered as single pieces and with a 1/16" connection.

Dimensions

(L x ID) mm	Silica			C18		
	5 µm	10 µm	15 µm	5 µm	10 µm	15 µm
150 x 4.6	11068624	11068636	11068648	11068661	11068673	11068685
250 x 4.6	11068625	11068637	11068649	11068662	11068674	11068686
150 x 10	11068626	11068638	11068650	11068663	11068675	11068687
250 x 10	11068627	11068639	11068651	11068664	11068676	11068688
150 x 20	11068628	11068640	11068652	11068665	11068677	11068689
250 x 20	11068629	11068641	11068653	11068666	11068678	11068690
150 x 30	11068630	11068642	11068654	11068667	11068679	11068691
250 x 30	11068631	11068643	11068655	11068668	11068680	11068692
150 x 50	11068632	11068644	11068656	11068669	11068681	11068693
250 x 50	11068633	11068645	11068657	11068670	11068682	11068694
150 x 70	11068634	11068646	11068658	11068671	11068683	11068695
250 x 70	11068635	11068647	11068659	11068672	11068684	11068696

Dimensions

(L x ID) mm	C18 AQ			C4		
	5 µm	10 µm	15 µm	5 µm	10 µm	15 µm
150 x 4.6	11068735	11068747	11068759	11068698	11068710	11068722
250 x 4.6	11068736	11068748	11068760	11068699	11068711	11068723
150 x 10	11068737	11068749	11068761	11068700	11068712	11068724
250 x 10	11068738	11068750	11068762	11068701	11068713	11068725
150 x 20	11068739	11068751	11068763	11068702	11068714	11068726
250 x 20	11068740	11068752	11068764	11068703	11068715	11068727
150 x 30	11068741	11068753	11068765	11068704	11068716	11068728
250 x 30	11068742	11068754	11068766	11068705	11068717	11068729
150 x 50	11068743	11068755	11068767	11068706	11068718	11068730
250 x 50	11068744	11068756	11068768	11068707	11068719	11068731
150 x 70	11068745	11068757	11068769	11068708	11068720	11068732
250 x 70	11068746	11068758	11068770	11068709	11068721	11068733

Accessories

Guard columns

All guard columns and holders are delivered as single pieces and with a 1/16" connection.

Dimensions

(L x ID) mm	Silica (60 µm)	C18 (15 µm)	C18AQ (15 µm)	C4 (15 µm)	Guard holders
10 x 20	11069263	11069265	11071488	11071490	11069267
10 x 30	11069264	11069266	11071489	11071491	11069268
30 x 50	11070896	11070897	11070898	11070899	none

Adapters & spare parts

	Order no.	Image
PrepPure Column Coupler, Steel 1/16" x 1.0 mm ID, 1 pc.	11069269	
PrepPure Adapter 1/8 - 1/16", 1 pc.	11070900	
PrepPure Adapter 1/8" - M12, 1 pc.	11071623	
PrepPure O-ring 1/16" & 1/8" - M12, 2 pcs.	11071624	
O-ring for guard column holder 10 x 20 mm.	11070573	
O-ring for guard column holder 10 x 30 mm.	11070574	

Column holder

PrepPure columns with an ID >30 mm require a specific holder to connect with a Pure system.

	Order no.	Image
Pure column holder XL Column holder for column diameters 50 to 70 mm	11068467	