

RediSep[®] Flash Chromatography Normal Phase Silica

Bronze, Silver, and Gold for Flash Chromatography Labs

RediSep[®] flash chromatography products are made in the USA under Teledyne ISCO's ISO 9001 certified quality management system. Known for high quality and consistent performance, three versions of RediSep, designed to meet the varying needs of different lab environments, are now available. RediSep[®] Bronze, our latest addition to the product family, offers fast, safe, and consistently reproducible performance for cost-conscious labs running reaction cleanup purifications in high volumes. RediSep[®] Silver, first launched more than 20 years ago, is the proven performer for all-purpose applications, including natural products. RediSep Gold[®], known for its high loading capacity and outstanding purification results, eliminates the need for any rework in critical applications and final products including isomers.

Precision Packed for Consistent Performance

All RediSep normal phase silica columns are produced using a fully automated packing process that ensures column-to-column and lot-to-lot consistency. Machine-packed silica columns result in tighter, denser media, producing higher resolution purifications as compared to hand-packed or glass columns. Since more tightly packed columns load more evenly and do not tail, target compound purity levels and yields are optimized. For information on RediSep bonded-phase products consult your Teledyne ISCO representative.



Applications:

Bronze: Initial reactions, reaction cleanups in high-volume labs or in academic settings; precursor to preparative HPLC

Silver: General all-purpose purifications; extractions from natural products; flavors, food chemistry

Gold: Polished final products; isomers

Features:

- RediSep columns are pressure rated for safe operation with modern flash chromatography systems
- Automated packing process for consistently dense, tightly packed media
- Excellent resolution resulting in improved purity of target compounds
- Higher resolution allows higher productivity through increased sample loading
- Lot-to-lot reproducibility ensures any later purifications of the same target compound will be consistent with the earlier runs.

Specifications

	Bronze	Silver	Gold
Media	Silica	Silica	Silica
# Runs	Single use	Single use	Single use
Particle Size	40–60 um	40–63 um	20–40 um
Mesh Size	230–400	230–400	400–632
Pore Size	55-60A	60A	60A
Particle Shape	Irregular	Irregular	Spherical
Loading Capacity	0.1–8%	0.1–10%	0.1–20%
RFID	No	Yes	Yes

Flash Column Parameters

Column Size	Loading Range	Flow Rate (mL/min)	Pressure Limit*	Quantity per Box	Part Number
4 gram		13	41 bar (600 psi)		
Bronze	20 mg–0.3 g			60	69-2203-604
Silver	20 mg–0.4 g			20	69-2203-304
Gold	20 mg–0.8 g			14	69-2203-344
12 gram		30	27.5 bar (400 psi)		
Bronze	60 mg–0.9 g			60	69-2203-612
Silver	60 mg–1.2 g			20	69-2203-312
Gold	60 mg–2.4 g			14	69-2203-345
24 gram		40	24 bar (350 psi)		
Bronze	120 mg–2 g			40	69-2203-624
Silver	120 mg–2.4 g			15	69-2203-324
Gold	120 mg–4.8 g			10	69-2203-346
40 gram		60	21 bar (300 psi)		
Bronze	200 mg–3 g			60	69-2203-640
Silver	200 mg–4 g			15	69-2203-340
Gold	200 mg–8 g			10	69-2203-347
80 gram		80	19 bar (275 psi)		
Bronze	400 mg–6 g			28	69-2203-680
Silver	400 mg–8 g			12	69-2203-380
Gold	400 mg–16 g			6	69-2203-348
120 gram		110	15.5 bar (225 psi)		
Bronze	600 mg–10 g			20	69-2203-620
Silver	600 mg–12 g			10	69-2203-320
Gold	600 mg–24 g			6	69-2203-349
125 gram		200	14.5 bar (210 psi)		
Bronze	—			—	—
Silver	12 g			6	69-2203-314
Gold	—			—	—
220 gram		215	14.5 bar (210 psi)		
Bronze	1.1 g–18 g			12	69-2203-622
Silver	1.1 g–22 g			6	69-2203-422
Gold	1.1 g–44 g			4	69-2203-359
330 gram		300	15 bar (210 psi)		
Bronze	1.65 g–26 g			8	69-2203-633
Silver	1.65 g–33 g			4	69-2203-330
Gold	1.65 g–66 g			3	69-2203-369
750 gram		300	6 bar (90 psi)		
Bronze	—			—	—
Silver	3.8 g–75 g			4	69-2203-275
Gold	3.8 g–150 g			3	69-2203-427
1.5 kg		600	5.5 bar (80 psi)		
Bronze	—			—	—
Silver	3.8 g–75 g			4	69-2203-275
Gold	3.8 g–150 g			3	69-2203-427
3.0 kg		950	7 bar (100 psi)		
Bronze	—			—	—
Silver	15 g–300 g			1	69-2203-527
Gold	15 g–600 g			1	69-2203-529

* Following CE guidelines and burst test to withstand 2x the rated pressure specification.



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