

Interchim Flash columns



Interchim provides a comprehensive range of columns for general purpose and specialty purification. The one-piece design with luer fittings is suitable for use on any flash system, manual or automated and is stable to 22 bar/320 PSI. The hand tight, Dry Load columns provide a universal fit for any system and do not require expensive plungers, tools or adapters.

PuriFlash columns out perform other columns by using spherical shaped silica and a narrow particle size distribution: $\pm 5\mu$. For general purpose purification the 50 μ columns provide higher resolution when compared to conventional flash silica: 40-60 μ irregular shaped silica. All puriFlash spherical silica columns are stable in 100% methanol.

For difficult separations the 15 μ , 25 μ and 30 μ columns are recommended as the smaller particles provide higher separation efficiency. These columns are well suited to Ultra-Performance Flash Purification (UPFP).

Silica & bonded silica are rigid supports that do not shrink or swell with solvents. The silica surface can be easily modified, this creates a potential for a large selectivity for purification from hydrophobic to hydrophilic interactions. The pH stability of bonded silica is limited, typically to within the range of 2 to 7.5, this is chemistry dependant. Interchim offers more than 20 different silica based selectivities. Our sorbents take advantage of our ultra pure spherical silica, and this achieves greater reproducibility, and establishes optimized sample recoveries.

Polymer sorbents are very stable from pH 1 to 14, they exhibit high loading capacities allowing for the purification of a broad range of compounds. Our polymers have a very high specific surface area that maximises pi-pi interactions. The capacity of our polymers are typically 15% greater than competitive polymers and 25% higher than silicas. These polymers are particularly suited for polar compound purification. The polymer surface can be easily modified and facilitates a large selectivity range from hydrophobic to hydrophilic interactions.

Version

Normal phase

SIHC, SIHP, ALB, ALN, Carbon, NH₂HC, NH₂, HILIC, DIOL, CN, DEAP

Reverse phase and polymers

C18HP, C18HC, C18HQ, C18AQ, C18XS, RPAQ, DEAP, 302H, Atoll X, P6



Ion exchange

SCX, SAX, MM1 NH₂HC, NH₂, DEAP

Biopurification

PP-C18T, PT-C18T, PP-C8, PT-C8, PP-C4, PT-C4

Cellulose media: DEAE, QA, CM, Sulfate, 90EL, 75ES, Butyl, Phenyl