

EXP® TRAP COLUMN



The patented hand-tight EXP Trap Column is rated for use up to 20,000+ psi (1,400+ bar). This unique design connects directly to any injection valve (with 10-32 threads) or in-line with 1/16" stainless tubing for unparalleled convenience and efficiency.

The EXP Cartridge System enables chemists to quickly remove detergents or salts which can affect the ionization process in MS work. This trapping technique can concentrate the sample directly on-line and allows for increased recovery of precious sample material compared to off-line techniques. On-line trapping readily lends itself to automation for high-throughput analysis in UHPLC/MS applications. Free-Turn® architecture allows the user to change cartridges by hand without breaking fluid connections on the holder inlet/outlet.

EXP® Holders

15-02-03956	EXP Direct Connect Holder Includes fittings
15-02-03946	EXP In-Line Holder Includes fittings
15-02-04041	EXP All-In-One Holder Kit Includes In-Line + Direct Connect holder components and fittings

EXP® TRAP CARTRIDGE SELECTION GUIDE

	Bed Volume	Load Rate (mL/min)	Dimensions	Dimension Code	Code	Phase	
3 PACKS	4µL	0.10 - 5	1 x 5mm	0 3 9 6 4	H P H Q H R H S H T H U H V	C18 C8 HILIC Phenyl-Hexyl PFP ES-CN Penta-HILIC	5µm HALO®
	10µL	0.20 - 8	1.5 x 5mm	0 3 9 6 9	H A H B H D H E H F H N	C18 C8 HILIC RP-Amide Phenyl-Hexyl Peptides ES-C18	2.7µm HALO®
	20µL	0.50 - 12	2.1 x 5mm	0 3 9 7 3	H G H H H I H J H K H L H M	C18 C8 C4 HILIC Phenyl-Hexyl SAX SCX	3µm EXP®
	40µL	1 - 15	3 x 5mm	0 3 9 7 8	E S	Custom	
	100µL	1 - 20	4.6 x 5mm	0 3 9 8 3			



To calculate the approximate sample capacity of each trap cartridge, we recommend using the ratio 4µg/1µL of bed volume. For more information about how to use this table, please see page 29.

EXP®

IN-LINE HOLDER**EXP®**

DIRECT CONNECT HOLDER**Advantages of the
EXP® Trap Column**

- Hand-tight to 20,000+ psi (1,400+ bar)
- Hand-tight trap replacement - no tools
- Uni-directional cartridge
- Custom packing available
- Available in bed volumes from 4 μ L to 100 μ L
- Hardened stainless steel end cap eliminates galling
- Auto-adjusting ZDV connections