

TRAP COLUMNS WITH HALO®

The patent-pending 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 thus allowing 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.

Our specialized features, patented technology, precision engineering and state-of-the-art manufacturing make the new EXP Trap Column an unbeatable choice for Ultra High Pressure trapping applications.

ADVANTAGES OF EXP TRAP COLUMNS

- Hand-tight to 20,000 psi (1400 bar)
- Tested to 30,000 psi
- Uni-directional cartridge
- Auto-adjusting ZDV connections
- Many phases available including custom packing
- Available in bed volumes from 4ul to 100ul
- Hardened stainless steel end cap eliminates galling

EXP Direct Connect Holder

EXP In-Line Holder



actual size



EXP HOLDERS

15-02-03956

EXP Direct Connect Holder (fittings included)

15-02-03946

EXP In-Line Holder (fittings included)

Please use the table below to find the bed volume and phase you require. **Example:** a three pack of 4 µL Cartridges with C8 Phase would have part number 15-03964-HB.

EXP TRAP CARTRIDGE SELECTION GUIDE

Bed Volume	Suggested Max Load Rate*	Dimension	Dimension Code	Phase Code	Phase	
3 PACKS	4 µL	2 mL/min	1.0 x 5 mm	0 3 9 6 4	H A	C18
	10 µL	4 mL/min	1.5 x 5 mm	0 3 9 6 9	H B	C8
	20 µL	6 mL/min	2.1 x 5 mm	0 3 9 7 3	H D	HILIC
	40 µL	8 mL/min	3.0 x 5 mm	0 3 9 7 8	H E	RP-AMIDE
	100 µL	10 mL/min	4.6 x 5 mm	0 3 9 8 3	H F	PHENYL-HEXL
				E S	CUSTOM	

15- -
Part Number

Custom packing is also available. Please contact us if you do not see the materials you require.

*Suggested max load rate is based on 60/40 Acetonitrile/Water mobile phase

UHPLC

www.optimize-tech.com/exp