

GUARD COLUMNS

The EXP Guard Column cartridge system is rated to 15,000 psi with hand-tight replaceable cartridges. This unique design connects directly to any UHPLC column with the auto-adjusting Titanium Hybrid ferrule and EXP™ Fittings, providing repeated zero-dead-volume connections and easy adjustability between various column types.

Free-turn® architecture allows the user to **change cartridges by hand** without breaking fluid connections on the holder inlet/outlet. The combination of low-dispersion and ultra high-pressure capabilities provides effective protection with negligible effects on retention time, plate count, and peak shape.

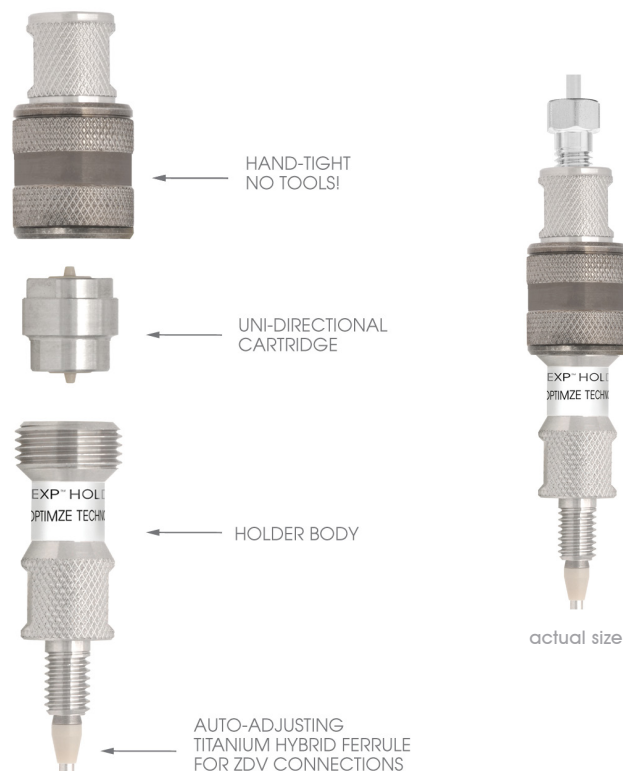
ADVANTAGES OF EXP GUARD COLUMNS

- Hand-tight guard replacement - NO TOOLS!
- Hardware rated to 20,000 psi
- Packed guard rated to **15,000 psi (1,000 bar)** for routine use
- 1.4 µl Swept Volume (excluding packed bed)
- Hardened stainless steel end cap eliminates galling
- Low-volume, low-dispersion cartridges
- Auto-adjusting ZDV column connection

Unparalleled
convenience
& efficiency

UHPLC

www.optimize-tech.com/exp



EXP HOLDER

15-02-03956

EXP Direct Connect Holder (fittings included)



Please use the table below to find the Dimension and Phase you require. **Example:** a three pack of 2.1 x 5 mm with C8 Phase (Sub 2 µm) would have part number 15-04104-HB.

EXP GUARD CARTRIDGE SELECTION GUIDE

	Dimension	Dimension Code	Phase Code	Phase	
3 PACKS	1.0 x 5 mm	0 4 1 0 0	H A	C18	Sub 2 µm
			H B	C8	
			H C	C4	
			H D	HILIC	
3 PACKS	1.5 x 5 mm	0 4 1 0 2	H E	C18	3 µm
			H F	C8	
			H G	C4	
			H H	HILIC	
			H I	Phenyl-Hexyl	
			H J	SAX	
		H K	SCX		
			E S	Custom	

15- 0 4 1 0 4 - H B

Part Number