UltraFast GC columns

Short, narrow-bore columns for use with the Thermo Scientific TRACE GC UltraFast instrument

- Dramatically shorter analysis times
- Increase sample throughput by a factor of 20
- Lengthen column lifetimes

Applications:
- Chemical
- Petrochemical
- Environmental
- Flavors and fragrances

UltraFast GC columns

Phase	ID (mm)	Length (m)	Film Thickness (µm)	Uses	Cat. No.	Quantity
UFC-1	0.10	5	0.1	General	UFMC00001010401	1 Each
	0.32	5	0.25	ISO 9377-2	UFMC00001070404	1 Each
UFC-5	0.10	5	0.4	General	UFMC00200000000	1 Each
		5	0.1	General	UFMC00300000000	1 Each
		10	0.4	General	UFMC00502010006	1 Each
UFC-WAX	0.10	5	0.1	FAMES, Essential Oils	UFMC00001010501	1 Each
		5	0.2	General	UFMC00001010503	1 Each
UFC-264	0.10	10	0.5	Volatiles	UFMC00002010207	1 Each
UFC-M1	0.32	5	0.25	General	UFMC00001070904	1 Each

Learn more at **thermofisher.com/GCcolumns**

TracePLOT GC columns

Thermo Scientific™ TracePLOT™ TG-BOND Alumina GC columns: Na_2SO_4 and KCl deactivation

Optimized for linear and quantitative analysis of polar unsaturated hydrocarbons

- Strong bonding to prevent particle generation suits these columns in valve-switching operations without damage to injection and detection systems from particle release
- Columns to which water has adsorbed may be regenerated to restore full efficiency and selectivity
- Each column has been tested to ensure proper film thickness (1,3-butadiene), selectivity (propadiene and methyl acetylene), resolution (trans-2-butene and 1-butene) and coating efficiency (1,3-butadiene)

TracePLOT TG-BOND Alumina GC columns

ID (mm)	Length (m)	Film Thickness (µm)	Cat. No.	Quantity
Na_2SO_4 Deactivation				
0.32	30	5	26001-6020	1 Each
	50	5	26001-6050	1 Each
0.53	30	10	26001-6080	1 Each
	50	10	26001-6110	1 Each
KCl Deactivation				
0.32	30	5	26002-6020	1 Each
	50	5	26002-6050	1 Each
0.53	30	10	26002-6080	1 Each
	50	10	26002-6110	1 Each

Applications:
- C1-C5 hydrocarbons
- Unsaturated hydrocarbon isomers

TracePLOT TG-BOND Sieve 5A GC columns

Designed for separation of Ar/O_2 and other permanent gases

- Specially designed coating and deactivation procedures for chromatographic efficiency and the integrity of the coating porous layer
- Deactivation process yields a sharp peak for CO elution rather than the tailing commonly seen in other columns
- High retention of molecular sieve permits separation of permanent gases at temperatures above ambient
- Uniform particles remain adherent to the tubing even following continuous valve-cycling

TracePLOT TG-BOND Sieve 5A GC Columns

ID (mm)	Length (m)	Film Thickness (µm)	Cat. No.	Quantity
0.32	15	30	26003-6010	1 Each
	30	30	26003-6040	1 Each
0.53	15	50	26003-6070	1 Each
	30	50	26003-6100	1 Each
	50	50	26003-1630	1 Each

Applications:
- Permanent gases
- Refinery or natural gases

TracePLOT TG-BOND Q GC Columns

Non-polar columns for oxygenated compounds and solvents

• Non-polar 100q% divinyl benzene phase
• Particles incorporated into the walls of the tubing for essentially no particle release

TracePLOT TG-BOND Q GC columns

ID (mm)	Length (m)	Film Thickness (µm)	Cat. No.	Quantity
0.32	15	10	26004-6000	1 Each
	30	10	26004-6030	1 Each
0.53	15	20	26004-6060	1 Each
	30	20	26004-6090	1 Each

Applications:

• C1 to C3 isomers and alkanes up to C12
• Separation of CO_2, methane and O_2/N_2/CO
• Analysis of oxygenated compounds and solvents

TracePLOT TG-BOND Q+ GC columns

Intermediate polarity columns for baseline separation of ethane, ethylene and acetylene

• Intermediate polarity, porous divinyl benzene homopolymer
• Particles incorporated into the walls of the tubing for essentially no particle release

TracePLOT TG-BOND Q+ GC columns

ID (mm)	Length (m)	Film Thickness (µm)	Cat. No.	Quantity
0.32	15	10	26005-6000	1 Each
	30	10	26005-6030	1 Each
0.53	15	20	26005-6060	1 Each
	30	20	26005-6090	1 Each

Applications:

• Separation of ethane, ethylene and acetylene to baseline

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