

Thermo Scientific TRACE™ GC Columns & Consumables for Instruments by Agilent Technologies

Thermo
SCIENTIFIC

Gas Filters

Eliminate contamination with easy-to use filters

Filter Type	Description	Qty	Part Number
Click-On Inline	Moisture Filter	1	60180-801
Click-On Inline	Oxygen Filter	1	60180-802
Click-On Inline	Hydrocarbon Filter (HC)	1	60180-803
Click-On Inline	Combi (Oxygen & HC)	1	60180-804
Click-On Inline	Combi (Moisture & HC)	1	60180-843
Click-On Inline	Triple (Oxygen, Moisture & HC)	1	60180-805
Click-On Inline	Triple (He Conditioned)	1	60180-806
Click-On Inline	1/8" Steel Re-useable End Fitting	2	60180-810
Click-On Inline	1/8" Brass Re-usable End Fitting	2	60180-809
Super Clean	Base Plate for 1 Filter	1	60180-814
Super Clean	Base Plate for 2 Filters	1	60180-815
Super Clean	Moisture Cartridge	1	60180-819
Super Clean	Oxygen Cartridge	1	60180-820
Super Clean	Hydrocarbon Cartridge (HC)	1	60180-821
Super Clean	Triple (Oxygen, Moisture & HC)	1	60180-824
Super Clean	Combi (Moisture & HC)	1	60180-826
Super Clean	3 Cartridge Kit (Triple + 2x Combi + Base)	1	60180-828
Super Clean	Gas Filter Kit (Baseplate & Triple)	1	60180-830

Solid Phase Extraction (SPE)

Reproducible and reliable sample preparation

HyperSep Retain PEP Polymeric SPE

Bed Weight	Column Volume (mL)	Qty	Part Number
30 mg	1	100	60107-201
60 mg	3	50	60107-203
200 mg	3	50	60107-204
500 mg	6	30	60107-206

HyperSep C18 SPE

Bed Weight	Column Volume (mL)	Qty	Part Number
100 mg	1	100	60108-302
500 mg	3	50	60108-304
1 g	6	30	60108-301

QuEChERS Dispersive SPE

Description	Qty	Part Number
2 mL tube with 150 mg MgSO ₄ , 50 mg PSA & 50 mg Carbon	100	60105-202
2 mL tube with 150 mg MgSO ₄ , 50 mg PSA & 50 mg C18	100	60105-204
50 mL tube with 4 g MgSO ₄ & 1 g NaCl	250	60105-211

- Other phases and configurations available

To Place an Order:

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XX20475_E 10/08M

GC Injection Liners

Improved, reproducible vaporization

ID x OD x Length (mm)	Part Number	Quantity of 5
4.0 x 6.3 x 78.5	453A1255	
2.3 x 6.3 x 78.5	453A1285	
2.3 x 6.3 x 78.5	453A2375	
4.0 x 6.3 x 78.5	453A1925	
4.0 x 6.3 x 78.5	453A2265	
4.0 x 6.3 x 78.5	453A1345	
4.0 x 6.3 x 78.5	453A1305	
4.0 x 6.3 x 78.5	453A1355	
4.0 x 6.3 x 78.5	453A1315	
4.0 x 6.3 x 78.5	453A1295	
1.2 x 6.3 x 78.5	453A1335	
2.0 x 6.1 x 78.5	453A2275	
2.0 x 6.3 x 78.5	453A2325	

Note: Liners not drawn to scale.

- Highly deactivated borosilicate glass
- FocusLiner™ injection liner for improved vaporization providing 10 times the reproducibility
- Also available in quantities of 25

Ferrules

Wide range of dimensions and materials for a variety of applications

Description	Use	Column ID	Qty	Part Number
15% Graphite / 85% Vespel	Injector / Detector	0.1–0.25	10	290VA191
		0.32	10	290VA192
	GCMS	0.53	10	290VA193
		0.1–0.25	10	29033496
		0.32	10	29033497
100% Graphite	Injector/Detector (not GCMS)	0.53	10	290VP144
		0.1–0.25	10	290GA139
	GCMS	0.45–0.53	10	290GA140
SilTite Kits	GCMS	0.1–0.25	1	290MA194
		0.32	1	290MA195
	S/SL Injectors	0.53	1	290MA196
		0.1–0.25	1	290MA215
		0.32	1	290MA216
Replacement SilTite Ferrules	For All SilTite Connectors	0.53	1	290MA217
		0.1–0.25	10	290MA201
		0.32	10	290MA202
SilTite Nuts	GCMS	0.53	10	290MA203
		0.1–0.25	5	290MA205
		0.32	5	290MA207
		0.53	2	290MA227
	Baseplate Seals		10	290MA228

Material Type	Suitable for GCMS	Temp Limit (°C)	Re-usable
Graphite	No	450	Yes
Graphite/Vespel	Yes	250	No
Stainless Steel (SilTite)	Yes	500	No

Syringes

Accurate and reproducible over a range of volumes

Volume	Needle	Length (mm)	Gauge	Qty	Part Number
0.5 µL	RN	42	23	1	365A0421
0.5 µL	RN	42	23-26	1	365A0431
5 µL	FN	42	26	1	365C0921
5 µL	FN	42	26	6	365C0926
5 µL	FN	42	23	1	365C0951
5 µL	FN	42	23	6	365C0956
5 µL	FN	42	23-26	1	365C0971
5 µL	FN	42	23-26	6	365C0976
10 µL	FN	42	26	1	365D1521
10 µL	FN	42	26	6	365D1526
10 µL	FN GT	42	23-26	1	365D1561
10 µL	FN	42	23	1	365D1571
10 µL	FN	42	23	6	365D1576
10 µL	RN GT	42	23	1	365D1611
10 µL	FN	42	23-26	1	365D1621
10 µL	FN	42	23-26	6	365D1636

- Robustness from improved design

Other Accessories

Description	Qty	Part Number
BTO Septa, 11 mm	50	31303230
TR-Green Septa, 11 mm	50	313G3230
Graphite Liner Sealing Rings (453A1335, 453A1355, 453A2332, 453A2352)	10	290GA242
Graphite Liner Sealing Rings (453A2275)	10	290GA244
Graphite Liner Sealing Rings (All other Agilent Liners)	10	290GA243
Viton O-Ring Liner Seal	10	2900A241
Retention Gap Kit, ID 0.2–0.32 mm, 2 m	1	260RG497
Retention Gap Kit, ID 0.53 mm, 2 m	1	260RG499
Deactivated Silica Tubing, ID 0.32 mm, 2 m	1	260G498P
Deactivated Silica Tubing, ID 0.53 mm, 2 m	1	260G499P
Mini Capillary Union for 0.32 mm ID Capillary	1	290GU498
Mini Capillary Union for 0.53 mm ID Capillary	1	290GU499
Capillary Column End Caps	10 pairs	260EC111

Thermo Scientific TRACE GC Capillary Columns

Agilent Technologies Phase	Part Number	Length (m)	ID (mm)	Film (µm)	Thermo Scientific Phase	Part Number
DB-1	121-1012	10	0.1	0.1	TR-1	260A020P
DB-1	N/A	50	0.15	0.5	TR-1	260A227P
DB-1	122-1012	15	0.25	0.25	TR-1	260A130P
DB-1	122-1032	30	0.25	0.25	TR-1	260A142P
DB-1	122-1062	60	0.25	0.25	TR-1	260A154P
DB-1	122-103E	30	0.25	0.5	TR-1	260A223P
DB-1	122-10AE	100	0.25	0.5	TR-1	260A241P
DB-1	122-1033	30	0.25	1	TR-1	260A296P
DB-1	122-1063	60	0.25	1	TR-1	260A308P
DB-1	123-1012	15	0.32	0.25	TR-1	260A131P
DB-1	123-1032	30	0.32	0.25	TR-1	260A143P
DB-1	123-1062	60	0.32	0.25	TR-1	260A155P
DB-1	123-103E	30	0.32	0.5	TR-1	260A224P
DB-1	123-1065	60	0.32	5	TR-1	260A481P
DB-1	123-1033	30	0.32	1	TR-1	260A297P
DB-1	123-1063	60	0.32	1	TR-1	260A309P
DB-1	123-1034	30	0.32	3	TR-1	260A395P
DB-1	125-1017	15	0.53	0.5	TR-1	260A213P
DB-1	125-1037	30	0.53	0.5	TR-1	260A225P
DB-1	125-1034	30	0.53	3	TR-1	260A396P
DB-1	125-1035	30	0.53	5	TR-1	260A470P
DB-1MS	122-0112	15	0.25	0.25	TR-1MS	260B130P
DB-1MS	122-0132	30	0.25	0.25	TR-1MS	260B142P
DB-1MS	122-0162	60	0.25	0.25	TR-1MS	260B154P
DB-1MS	123-0132	30	0.32	0.25	TR-1MS	260B143P
DB-1MS	123-0162	60	0.32	0.25	TR-1MS	260B155P
DB-5	122-5012	15	0.25	0.25	TR-5	260E130P
DB-5	122-5032	30	0.25	0.25	TR-5	260E142P
DB-5	122-5062	60	0.25	0.25	TR-5	260E154P
DB-5	122-503E	30	0.25	0.5	TR-5	260E223P
DB-5	122-5033	30	0.25	1	TR-5	260E296P
DB-5	122-5063	60	0.25	1	TR-5	260E308P
DB-5	N/A	7	0.32	0.25	TR-5	260E113P
DB-5	123-5012	15	0.32	0.25	TR-5	260E131P
DB-5	123-5032	30	0.32	0.25	TR-5	260E143P
DB-5	123-5062	60	0.32	0.25	TR-5	260E155P
DB-5	123-503E	30	0.32	0.5	TR-5	260E224P
DB-5	123-5033	30	0.32	1	TR-5	260E297P
DB-5	123-5063	60	0.32	1	TR-5	260E309P
DB-5	125-5037	30	0.53	0.5	TR-5	260E225P
DB-5	125-501J	15	0.53	1	TR-5	260E286P

Agilent Technologies Phase	Part Number	Length (m)	ID (mm)	Film (µm)	Thermo Scientific Phase	Part Number
DB-5	125-503J	30	0.53	1	TR-5	260E298P
DB-5	125-5012	15	0.53	1.5	TR-5	260E334P
DB-5	125-5032	30	0.53	1.5	TR-5	260E336P
DB-5	125-5035	30	0.53	5	TR-5	260E470P
DB-5HT	123-5711	12	0.32	0.1	TR-5HT	260H030P
DB-5HT	122-5731	30	0.25	0.1	TR-5HT	260H047P
DB-5MS	127-5013	10	0.1	0.1	TR-5MS	260F020P
DB-5MS	N/A	20	0.1	0.1	TR-5MS	260F145P
DB-5MS	N/A	25	0.15	0.25	TR-5MS	260F134P
DB-5MS	122-511	15	0.25	0.1	TR-5MS	260F035P
DB-5MS	122-531	30	0.25	0.1	TR-5MS	260F047P
DB-5MS	122-5011	15	0.25	0.25	TR-5MS	260F130P
DB-5MS	122-5031	30	0.25	0.25	TR-5MS	260F142P
DB-5MS	122-5061	60	0.25	0.25	TR-5MS	260F154P
DB-5MS	122-5536	30	0.25	0.5	TR-5MS	260F223P
DB-5MS	122-513	15	0.25	1	TR-5MS	260F284P
DB-5MS	122-502C	30	0.25	1	TR-5MS	260F296P
DB-5MS	122-506E	60	0.25	1	TR-5MS	260F308P
DB-5MS	123-5011	15	0.32	0.25	TR-5MS	260F131P
DB-5MS	123-5031	30	0.32	0.25	TR-5MS	260F143P
DB-5MS	123-5061	60	0.32	0.25	TR-5MS	260F155P
DB-5MS	123-5026	30	0.32	0.5	TR-5MS	260F224P
DB-5MS	123-5513	15	0.32	1	TR-5MS	260F285P
DB-5MS	123-503B	30	0.32	1	TR-5MS	260F297P
DB-5MS	123-506E	60	0.32	1	TR-5MS	260F309P
DB-5MS	125-501K	15	0.53	0.5	TR-5MS	260F213P
DB-5MS	125-5062E	30	0.53	0.5	TR-5MS	260F225P
DB-5MS	124-5032	30	0.53	1	TR-5MS	260F298P
DB-5MS	125-5532	30	0.53	1.5	TR-5MS	260F336P
DB-5MS	N/A	15	0.53	3	TR-5MS	260F384P
DB-5MS	125-503B	30	0.53	3	TR-5MS	260F396P
DB-35MS	122-3812	15	0.25	0.25	TR-35MS	260C130P
DB-35MS	122-3832	30	0.25	0.25	TR-35MS	260C142P
DB-35MS	122-3862	60	0.25	0.25	TR-35MS	260C154P
DB-35MS	123-3832	30	0.32	0.25	TR-35MS	260C143P
DB-35MS	123-3862	60	0.32	0.25	TR-35MS	260C155P
DB-35MS	N/A	30	0.25	0.5	TR-35MS	260C223P
DB-35MS	N/A	30	0.32	0.5	TR-35MS	260C224P
DB-35MS	125-3837	30	0.53	0.5	TR-35MS	260C225P
DB-35MS	N/A	15	0.53	1	TR-35MS	260C286P
DB-35MS	125-3832	30	0.53	1	TR-35MS	260C298P

Agilent Technologies Phase	Part Number	Length (m)	ID (mm)	Film (µm)	Thermo Scientific Phase	Part Number
DB-1701	122-7012	15	0.25	0.25	TR-1701	260Q130P
DB-1701	122-0732	30	0.25	0.25	TR-1701	260Q142P
DB-1701	122-0762	60	0.25	0.25	TR-1701	260Q154P
DB-1701	123-0712	15	0.32	0.25	TR-1701	260Q131P
DB-1701	123-0732	30	0.32	0.25	TR-1701	260Q143P
DB-1701	123-0762	60	0.32	0.25	TR-1701	260Q155P
DB-1701	N/A	30	0.32	0.5	TR-1701	260Q224P
DB-1701	125-0732	30	0.53	1	TR-1701	260Q298P
DB-17MS	N/A	10	0.1	0.1	TR-50MS	260R020P
DB-17MS	122-4731	30	0.25	0.15	TR-50MS	260R050P
DB-17MS	122-4712	15	0.25	0.25	TR-50MS	260R130P
DB-17MS	122-4732	30	0.25	0.25	TR-50MS	260R142P
DB-17MS	122-4762	60	0.25	0.25	TR-50MS	260R154P
DB-17MS	123-4712	15	0.32	0.25	TR-50MS	260R131P
DB-17MS	123-4732	30	0.32	0.25	TR-50MS	260R143P
DB-17MS	N/A	60	0.32	0.25	TR-50MS	260R155P
DB-17MS	N/A	15	0.53	0.5	TR-50MS	260R213P
DB-17MS	N/A	30	0.53	0.5	TR-50MS	260R225P
DB-WAX	127-7012	10	0.1	0.1	TR-Wax	260W020P
DB-WAX	122-7012	15	0.25	0.25	TR-Wax	260W130P
DB-WAX	122-0732	30	0.25	0.25	TR-Wax	260Q142P
DB-WAX	122-7062	60	0.25	0.25	TR-Wax	260W154P
DB-WAX	122-7033	30	0.25	0.5	TR-Wax	260W223P
DB-WAX	122-7063	60	0.25	0.5	TR-Wax	260W235P
DB-WAX	N/A	30	0.25	1	TR-Wax	260W296P
DB-WAX	123-7012	15	0.32	0.25	TR-Wax	260W131P
DB-WAX	123-7032	30	0.32	0.25	TR-Wax	260W143P
DB-WAX	123-7062	60	0.32	0.25	TR-Wax	260W155P
DB-WAX	123-7033	30	0.32	0.5	TR-Wax	260W224P
DB-WAX	123-7063	60	0.32	0.5	TR-Wax	260W236P
DB-WAX	N/A	30	0.32	1	TR-Wax	260W297P
DB-WAX	N/A	60	0.32	1	TR-Wax	260W309P
DB-WAX	125-7037	30	0.53	0.5	TR-Wax	260W225P
DB-WAX	125-7012	15	0.53	1	TR-Wax	260W286P
DB-WAX	125-7032	30	0.53	1	TR-Wax	260W298P
DB-WAX	125-7062	60	0.53	1	TR-Wax	260W310P
DB-WAX	122-7332	30	0.25	0.25	TR-WAXMS	260X142P
DB-WAX	122-7362	60	0.25	0.25	TR-WAXMS	260X154P
DB-WAX	N/A	30	0.25	1	TR-WAXMS	260X296P
DB-WAX	123-7332	30	0.32	0.25	TR-WAXMS	260X143P
DB-WAX	123-7362	60	0.32	0.25	TR-WAXMS	260X155P

Agilent Technologies Phase	Part Number	Length (m)	ID (mm)	Film (µm)	Thermo Scientific Phase	Part Number
DB-WAX	123-7333	30	0.32	0.5	TR-WAXMS	260X224P
DB-WAX	125-7332	30	0.53	1	TR-WAXMS	260X298P
DB-HT Sim Dis	N/A	10	0.1	0.1	TR-SimDist	260S020P
DB-HT Sim Dis	N/A	10	0.53	0.1	TR-SimDist	260S025P
DB-HT Sim Dis	N/A	10	0.53	0.9	TR-SimDist	260S250P
DB-HT Sim Dis	N/A	6	0.53	2.65	TR-SimDist	260S347S
DB-HT Sim Dis	125-2814	10	0.53	2.65	TR-SimDist	260S348P
DB-624	121-1324	20	0.18	1	TR-V1	260V495P
DB-624		40	0.18	1	TR-V1	260V496P
DB-624	122-1334	30	0.25	1.4	TR-V1	260V332P
DB-624	122-1364	60	0.25	1.4	TR-V1	260V333P
DB-624	123-1334	30	0.32	1.8	TR-V1	260V339P
DB-624	123-1364	60	0.32	1.8	TR-V1	260V341P
DB-624	125-1334	30	0.53	3	TR-V1	260V396P
DB-624	125-1364	60	0.53	3	TR-V1	260V408P
DB-624	125-1374	75	0.53	3	TR-V1	260V490P
DB-23	N/A	10	0.1	0.2	TR-FAME	260M096P
DB-23	N/A	25	0.22	0.25	TR-FAME	260M135P
DB-23	N/A	30	0.22	0.25	TR-FAME	260M141P
DB-23	N/A	50	0.22	0.25	TR-FAME	260M147P
DB-23	N/A	60	0.22	0.25	TR-FAME	260M153P
DB-23	122-2332	30	0.25	0.25	TR-FAME	260M142P
DB-23	122-2362	60	0.25	0.25	TR-FAME	260M154P
DB-23	N/A	120	0.25	0.25	TR-FAME	260M166L
DB-23	N/A	25	0.32	0.25	TR-FAME	260M137P
DB-23	123-2332	30	0.32	0.25	TR-FAME	260M143P
DB-23	N/A	50	0.32	0.25	TR-FAME	260M149P
DB-23	123-2362	60	0.32	0.25	TR-FAME	260M155P
DB-FFAP	122-3212	15	0.25	0.25	TR-FFAP	260N130P
DB-FFAP	122-3232	30	0.25	0.25	TR-FFAP	260N142P
DB-FFAP	122-3262	60	0.25	0.25	TR-FFAP	260N154P
DB-FFAP	123-3212	15	0.32	0.25	TR-FFAP	260N131P
DB-FFAP	123-3232	30	0.32	0.25	TR-FFAP	260N143P
DB-FFAP	123-3253	50	0.32	0.5	TR-FFAP	260N230P
DB-FFAP	123-3262	60	0.32	0.25	TR-FFAP	260N155P
DB-FFAP	125-3217	15	0.53	0.5	TR-FFAP	260N213P
DB-FFAP	125-3237	30	0.53	0.5	TR-FFAP	260N225P
DB-225	122-2912	15	0.25	0.25	TR-225	260Y130P
DB-225	122-2932	30	0.25	0.25	TR-225	260Y142P
DB-225	122-2962	60	0.25	0.25	TR-225	260Y154P
DB-225	123-2932	25	0.32	0.25	TR-225	260Y137P