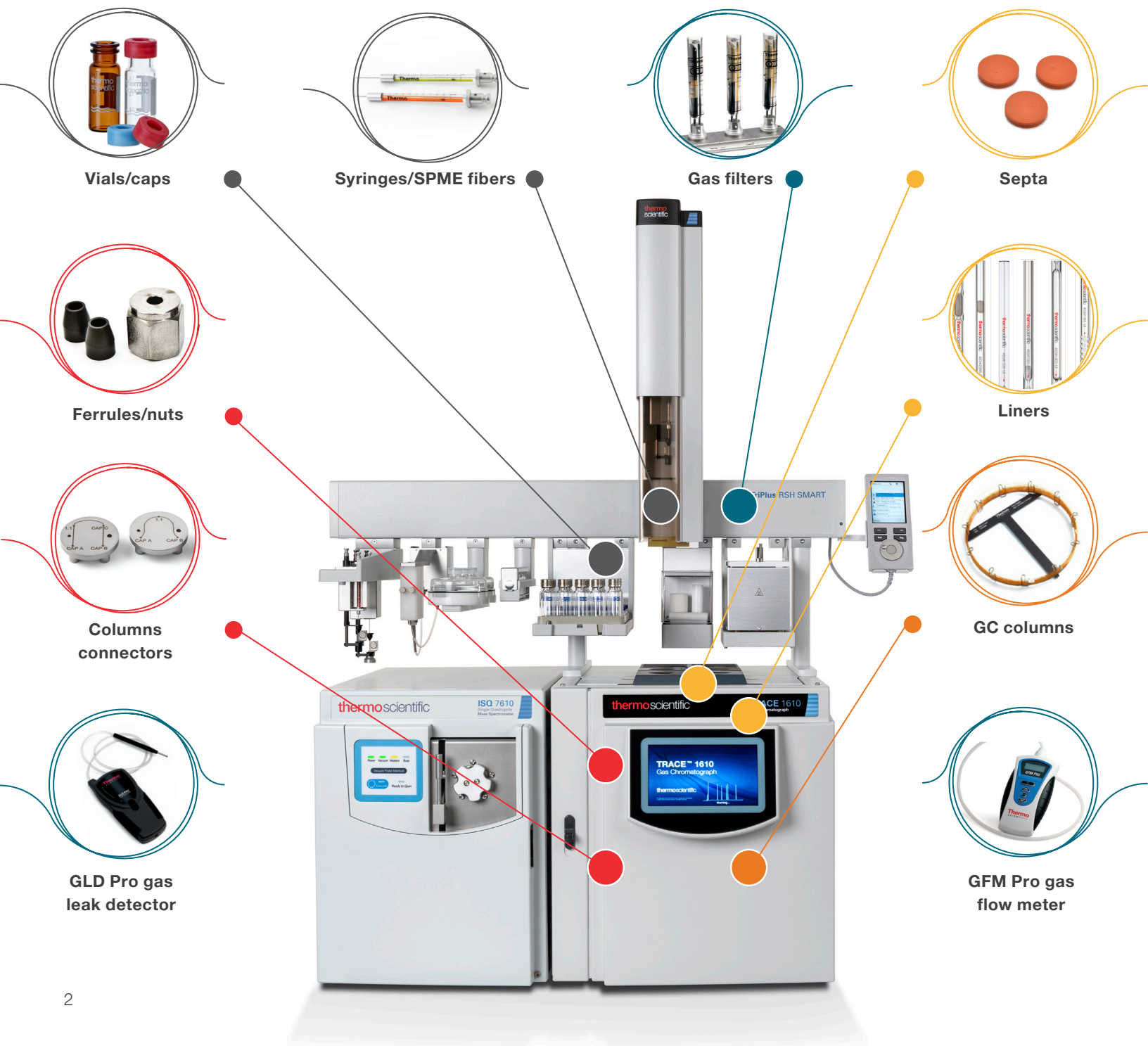Gas chromatography

Gas chromatograph consumables ordering guide

Proven consumables for
optimum system performance

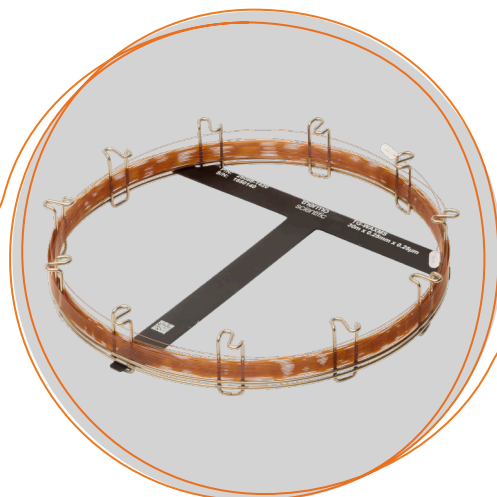thermo scientific

GC products selection guide

This product ordering guide contains information to order GC consumables for the following instruments. The compatibility and recommended use are provided.

- Thermo Scientific™ TRACE™ 1300 and TRACE 1600 Series Gas Chromatographs
- Thermo Scientific™ AI/AS 1310 and AI/AS 1610 Liquid Autosamplers
- Thermo Scientific™ TriPlus™ RSH and RSH SMART Autosamplers
- Thermo Scientific™ TriPlus™ 500 HS Headspace Autosamplers

Vials/caps

Syringes/SPME fibers

Gas filters

Septa

Ferrules/nuts

Liners

Columns connectors

GC columns

GLD Pro gas leak detector

**GFM Pro gas flow meter**

Contents

Gas chromatography syringes

Thermo Scientific™ syringes for AI/AS autosamplers

Volume (µl)	Gauge	Needle type	Tip style	Gas tight	Compatibility	Quantity	Cat. no
0.5	23	Plunger-in-needle	Cone	—	All AI/AS autosamplers for SSL injection with Focus/Precision liner (453A1255 or 453A1255-UI)	1 each	36504045
5	26	Fixed	Cone	No	All AI/AS autosamplers for SSL or PTV injection	1 each	36500505
5	23	Fixed	Cone	No		1 each	365C3701
10	23	Fixed	Cone	No		1 each	36520060
10	23	Fixed	Cone	No		6 pack	365D2971
10	26	Fixed	Cone	Yes		1 each	365D2977
10	26	Fixed	Cone	Yes		6 pack	365D2976
10	23	Fixed	Cone	Yes		1 each	365D3741
10	25	Fixed	Cone	No		1 each	36500525
10	26	Fixed	Cone	No		1 each	365D3711
10	26	Fixed	Cone	No		6 pack	365D1856
10	23-26	Fixed	Cone	No		1 each	36500580
10	26	Fixed	Bevel	No	All AI/AS autosamplers for PTV injection of polar solvent	1 each	365D1091
10	26	Fixed	Bevel	No		6 pack	365D1096
50	23	Removable	Cone	Yes	AI/AS1610 Autosampler for SSL or PTV with the needle 36550040	1 each	365G1503
100	23	Removable	Side hole	Yes	AI/AS1610 Autosampler for PTV or SSL with the needle 36566485	1 each	36520050
—	23	—	Side hole	—	Replacement needle for syringe 365G1503 or 36520050	2 pack	36550040
—	23	—	Cone	—	Replacement needle for syringe 365G1503 or 36520050	5 pack	36566485

Note: Needle length is 50 mm
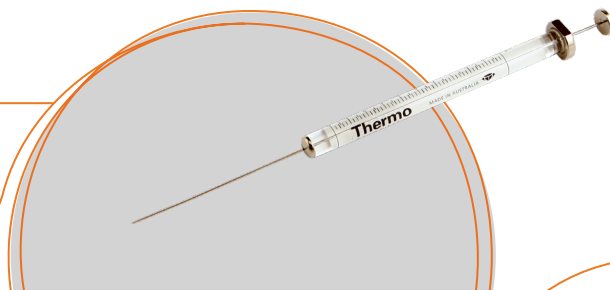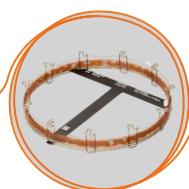
Gas chromatography syringes

Thermo Scientific™ SMART syringes for TriPlus RSH SMART and TriPlus RSH autosamplers

Volume (µl)	Needle length (mm)	Gauge	Tip style	Gas tight	Recommended use	Quantity	Cat. no
5	57	26s	Cone	No	PTV or SSL all injection modes	1 each	365C0251-SM
10	57	23s	Cone	No	PTV or SSL all injection modes, or injector with Merlin adaptor	1 each	365D0271-SM
10	57	26s	Cone	No	PTV or SSL all injection modes	1 each	365D0291-SM
10	57	26s	Bevel	No	PTV injection of polar solvent	1 each	365D0391-SM
10	57	23s	Cone	Yes	PTV or SSL all injection modes, or injector with Merlin adaptor particularly suitable for volatile solvents or corrosive samples	1 each	365D0311-SM
10	85	26s	Cone	No	On-column injection, SSL on TSI injector	1 each	365D0281-SM
25	57	23s	Cone	Yes	PTV or SSL all injection modes	1 each	365F2441-SM
50	57	23s	Cone	Yes	Large volume splitless with SSL, or PTV (with packed liner 45322056)	1 each	365G2311-SM
100	57	23s	Cone	Yes	Large volume splitless with SSL, or PTV (with packed liner 45322056)	1 each	365H2141-SM
100	57	23	Side hole	Yes	Large volume PTV (with sintered lining liner 45352060) with or without Merlin adaptor	1 each	365H2181-SM
250	57	26	Cone	Yes	Large volume splitless with SSL	1 each	365I2331-SM
250	57	23	Side hole	Yes	Large volume PTV (with sintered lining liner 45352060) with or without Merlin adaptor	1 each	365I2351-SM
500	57	23	Side hole	Yes	Large volume PTV (with sintered lining liner 45352060) with or without Merlin adaptor	1 each	365J2441-SM
2500	65	23	Side hole	Yes	Headspace	1 each	365L2321-SM
1000	57	22	LC	Yes	Sample preparation, i.e. dilution, derivatization, liquid-liquid extraction, micro-SPE	1 each	365K2811-SM
10000	57	19	LC	Yes	Sample preparation, i.e. dilution, derivatization, liquid-liquid extraction	1 each	365N2721-SM

Note: More SMART syringes and tool compatibility are available on SMART consumables ordering guide
Find out more **thermofisher.com/smartchromatographysyringe**

Thermo Scientific™ SMART SPME Arrow fibers for TriPlus RSH SMART and TriPlus RSH autosamplers

Phase	Outer diameter	Phase thickness	Color code	Pack of 1 cat. no.	Pack of 3 cat. no.
PDMS	1.1	100	Red	36SA10P1-SM	36SA10P3-SM
PDMS	1.5	250	Black	36SA25P1-SM	36SA25P3-SM
Polyacrylate	1.1	100	Gray	36SA10A1-SM	36SA10A3-SM
Carbon WR	1.1	120	Light blue	36SA12B1-SM	36SA12B3-SM
DVB/PDMS	1.1	120	Violet	36SA12E1-SM	36SA12E3-SM
C-WR/DVB/PDMS	1.1	120	Dark grey	36SA11T1-SM	36SA11T3-SM
Collection of five different SMART SPME Arrow fibers (PDMS-red, polyacrylate-grey, carbon WR/PDMS-light blue, DVB/PDMS-violet, DVB/carbon WR/PDMS-dark grey)				36SA10M5-SM	

Thermo Scientific™ SMART SPME fibers for TriPlus RSH SMART and TriPlus RSH autosamplers

| Phase	Outer diameter	Phase thickness	Color code	Pack of 1 cat. no.	Pack of 3 cat. no.
PDMS	0.6	7	Green	36SP01P1-SM	36SP01P3-SM
PDMS	0.6	30	Golden	36SP03P1-SM	36SP03P3-SM
PDMS	0.6	100	Red	36SP10P1-SM	36SP10P3-SM
Polyacrylate	0.6	85	Gray	36SP08A1-SM	36SP08A3-SM
Carbon WR/PDMS	0.6	95	Dark blue	36SP09C1-SM	36SP09C3-SM
DVB/C-WR/ PDMS	0.6	50/30	Dark grey	36SP05T1-SM	36SP05T3-SM
DVB/PDMS	0.6	65	Violet	36SP06E1-SM	36SP06E3-SM
Collection of five different SMART SPME fibers (PDMS-red, polyacrylate-grey, carbon WR/PDMS-dark blue, DVB/carbon WR/PDMS-dark grey, DVB/PDMS-violet)				36SP08M5-SM	

Gas chromatography syringes

Thermo Scientific™ manual syringes

| Volume (µl)	Gauge	Needle type	Gas tight	Cat. no
5	26	Fixed	No	365C0741 (1PK)
10	26	Removable	No	365D1171 (1PK)
10	26	Fixed	No	365D1091 (1PK)

Note: Needle length is 50 mm
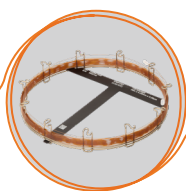Other manual syringes are available – please visit **thermofisher.com/gcparts** or **GC catalog**
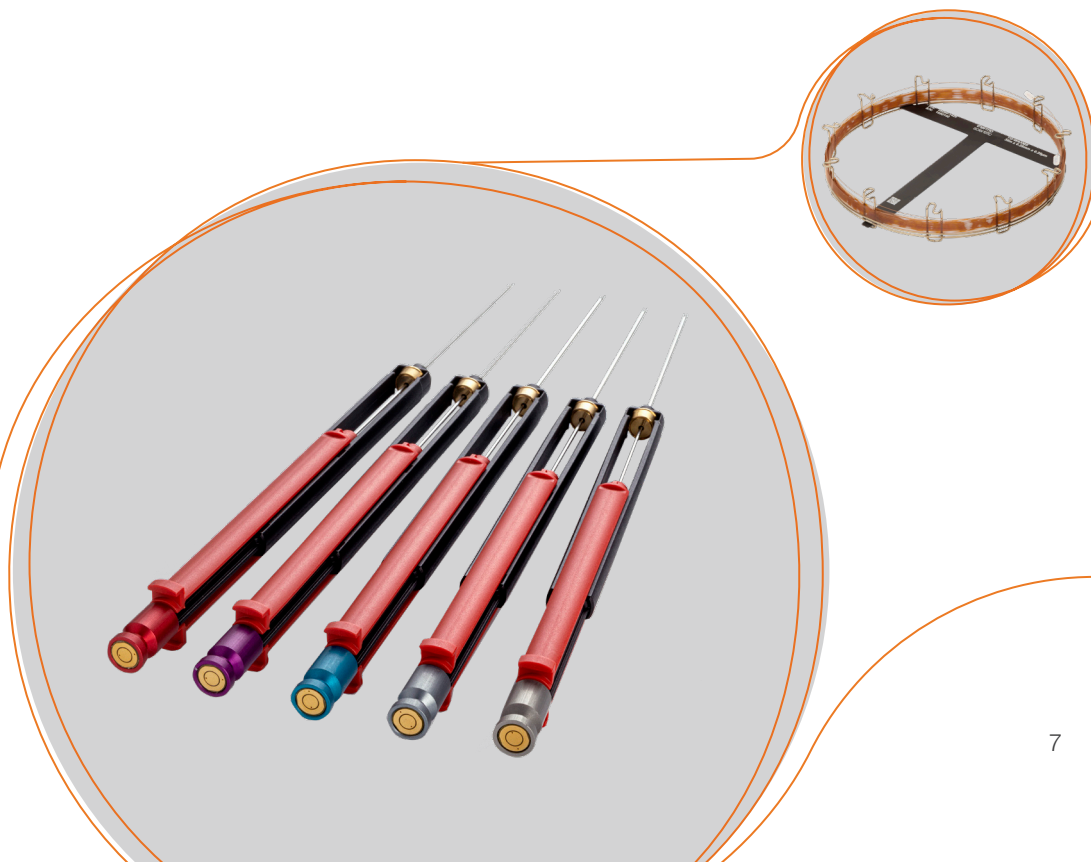
Injection port
Instant Connect Split/Splitless (SSL) injector

Septum

Liner and liner seal

thermoscientific 453A1925-UI

Silver seal

Ferrule and nuts
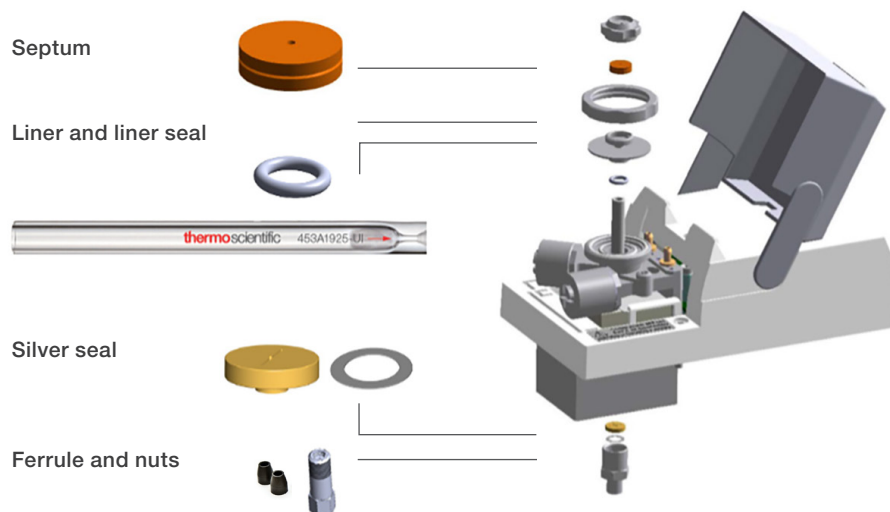
Thermo Scientific™ inlet septa for Thermo Scientific™ iConnect™ SSL injector
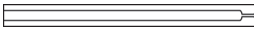
Material	ID (mm)	Recommended use	Quantity	Cat. no.
BTO	11	Low bleed at high temperature, ideal for GC-MS Maximum temperature 400 °C	50 (Blister pack)	31303233-BP
BTO	11		50 (Glass jar)	31303233
TR-green	11	Low coring Maximum temperature 350 °C	50 (Blister pack)	313G3230-BP
TR-green	11		50 (Glass jar)	313G3230
Marathon	11	Highly durable, ideal for SPME Maximum temperature 350 °C	50 (Blister pack)	313P3233-BP
Marathon	11		50 (Glass jar)	313P3233
TR-blue	11	General purpose Maximum temperature 250 °C	50 (Glass jar)	313B3233

Injection Port Septa

thermoscientific.com/gcconsumables

Thermo SCIENTIFIC

Injection Port Septa

Instant Connect Split/Splitless (SSL) injector

Thermo Scientific™ liners for iConnect SSL injector

Liner type	ID (mm)	Packing	Recommended use	Quantity	Standard deactivated cat. no.	Quantity	LinerGOLD cat. no.
Straight	4	Quartz wool	Split injection	5 pack	453A2265	5 pack	453A2265-UI
	4	Quartz wool		25 pack	453A1262	25 pack	453A1262-UI
Focus/precision liner	4	Quartz wool	Split injection with high repeatability, or injection with nanovolume syringes	5 pack	453A1255	5 pack	453A1255-UI
	4	Quartz wool		25 pack	453A1252	25 pack	453A1252-UI
Straight, split cyclo	4	No	Split injection with high repeatability, ideal for components interact with wool or wool can't be used	—	—	5 pack	453A1375-UI
Direct straight liner	1.2	No	Headspace, SPME Fiber, Purge-and-trap	5 pack	453A1335	5 pack	453A1335-UI
Direct straight liner	1.7	No	SPME Arrow	3 pack	453A0415	5 pack	453A0415-UI
Single taper	4	Quartz wool	Splitless injection with high repeatability	5 pack	453A1925	5 pack	453A1925-UI
	4	Quartz wool		25 pack	453A2295	25 pack	453A2922-UI
Single taper	4	No	Splitless injection, ideal for components interact with wool or wool can't be used	5 pack	453A1345	5 pack	453A1345-UI
	4	No		25 pack	453A2342	25 pack	453A2342-UI

Note: Liner length is 78.5 mm
Other liner types are available – please visit thermofisher.com/gcparts or GC catalog

Thermo Scientific™ liner seal for iConnect SSL liners

Description	Quantity	Cat. no
Liner sealing ring for SSL injector	5	29001320
Liner sealing ring for SSL purge and trap adapter	1	MI-290AA1-0001

Injection port continued
Instant Connect Split/Splitless (SSL) injector

Thermo Scientific™ base seals with washers for iConnect SSL injector

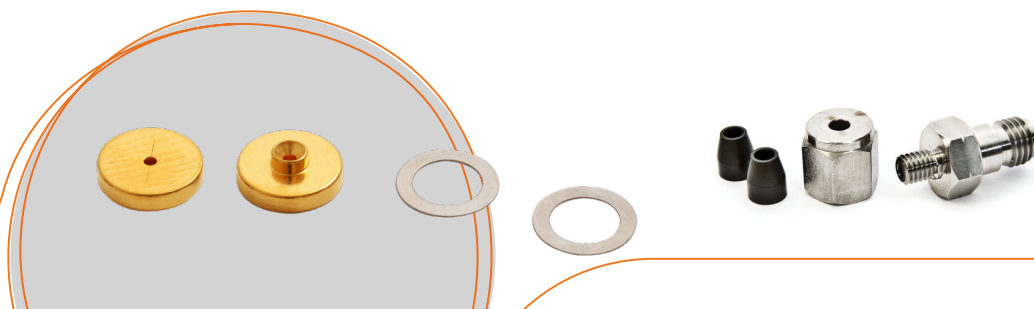| Type	ID (mm)	Recommended use	Quantity	Cat. no
Gold plated	0.8	Single column installation Splitless injection	10 pack	290GA081
	0.8		2 pack	290GA082
Gold plated, cross	0.8	Single column Installation Split, splitless, SPME, P&T and headspace	10 pack	290GA084
	0.8		2 pack	290GA083
Siltek-treated	0.8	Single column installation Splitless injection	10 pack	290GA091
	0.8		2 pack	290GA092
Siltek-treated, cross	0.8	Single column installation Split, splitless, SPME, P&T and headspace	10 pack	290GA094

Thermo Scientific™ ferrules and nuts for iConnect SSL injector, FID, TCD, ECD, NPD, FPD detectors detectors

Type	Recommended use	Quantity	Ferrule cat. no.	Quantity	Nut cat. no
Graphite ferrule	0.1-0.32 mm ID column	10 pack	290GA139	5 pack	35050458
Graphite ferrule	0.45-0.53 mm ID column	10 pack	290GA140	5 pack	35050458
Graphite/vespel ferrule	0.1-0.25 mm ID column	10 pack	290VA191*	5 pack	35050458
Graphite/vespel ferrule	0.32 mm ID column	10 pack	290VA192*	5 pack	35050458
Graphite/vespel ferrule	0.53 mm ID column	10 pack	290VA193*	5 pack	35050458
SCP-5000	0.1-0.25 mm ID column	5 pack	290VT221*	5 pack	35050458

Note: *Compatible with column nut 1R120434-0010 for MS interface line

Thermo Scientific™ ferrules and nuts for iConnect SSL injector with HeSaver-H$_2$Safer

Type	Recommended use	Quantity	Ferrule cat. no.	Quantity	Nut cat. no
SilTite FingerTite ferrules	< or = 0.25 mm ID column	10 pack	29063465	10 pack	290SF302
SilTite FingerTite ferrules	0.25 mm ID column	10 pack	29063466	10 pack	290SF302
SilTite FingerTite ferrules	0.32 mm ID column	10 pack	29063467	10 pack	290SF302

Injection port
Instant Connect Programmable Temperature Vaporizing (PTV) injector

Septum

Liner and liner seal

Silver seal

Ferrule and nuts
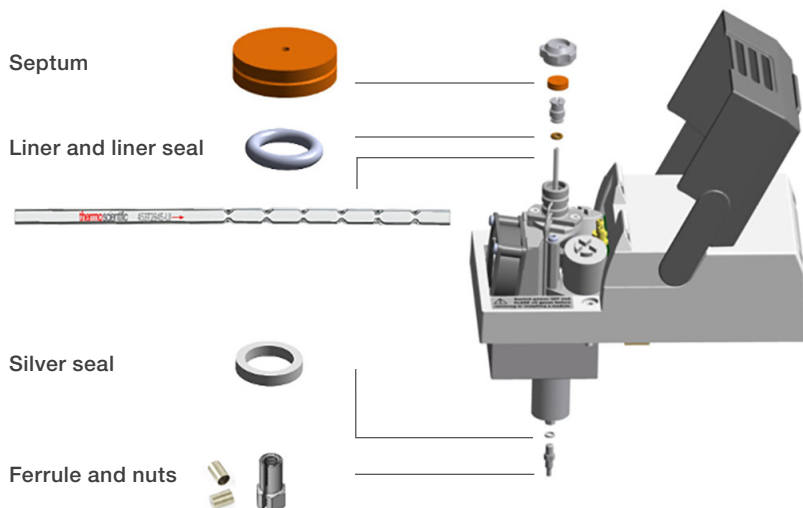
Thermo Scientific™ inlet septa for iConnect PTV injector

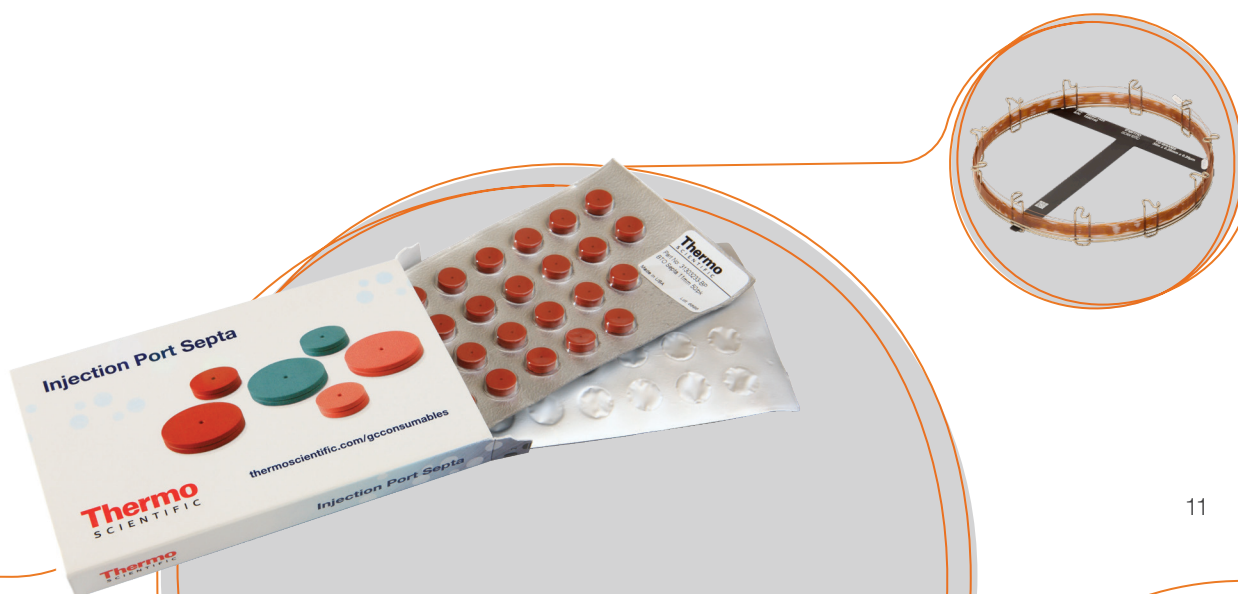| Material	ID (mm)	Recommended use	Quantity	Cat. no.
BTO	11	Low bleed at high temperature, ideal for GC-MS Maximum temperature 400 °C	50 (Blister pack)	31303233-BP
BTO	11		50 (Glass jar)	31303233
TR-green	11	Low coring Maximum temperature 350 °C	50 (Blister pack)	313G3230-BP
TR-green	11		50 (Glass jar)	313G3230
Marathon	11	Highly durable, ideal for SPME Maximum temperature 350 °C	50 (Blister pack)	313P3233-BP
Marathon	11		50 (Glass jar)	313P3233
TR-blue	11	General purpose Maximum temperature 250 °C	50 (Glass jar)	313B3233

Injection port continued
Instant Connect Programmable Temperature Vaporizing (PTV) injector

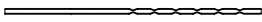## Thermo Scientific™ liners for iConnect PTV injector

Liner type	ID (mm)	Packing	Recommended use	Quantity	Cat. no.
Concentric baffle	2	No	PTV splitless injection (< 2 µL) General applications, pesticides analysis	5 pack	453T2845-UI
Five baffles	1	No	PTV splitless/split Injection (< 2 µL) Active compounds Medium/high boiling point solvent	5 pack	453T2171-UI
Siltek baffle	2	No	PTV splitless injection (< 2 µL) Active compounds	5 pack	453T2120
Recessed gooseneck	2	Wool	PTV splitless/split injection (< 2 µL) for polar solvents <10 µL for apolar solvents)	5 pack	45352070
Straight liner	1	No	PTV splitless injection (< 1 µL) High molecular weight compounds	5 pack	45352054
Siltek straight metal	2	No	PTV splitless injection (< 1 µL) high temp applications (350-450 °C), i.e. SIMDIST	2 pack	45322044
Siltek straight metal	2	Wool	Large volume injection (> 10 µL)	2 pack	45322056
Sintered lining	1	No	Large volume injection (> 10 µL) Active compounds, thermally labile compounds	5 pack	45352060
Silcosteel for OC	1	No	On-column injection Thermally labile compounds, wide boiling point compounds	2 pack	45322052

Note: Liner length is 120 mm
Other liner types are available – please visit thermofisher.com/gcparts or GC catalog

Injection port continued
Instant Connect Programmable Temperature Vaporizing (PTV) injector

Thermo Scientific™ liner seals for iConnect PTV liners

Description	Quantity	Cat. no
Liner sealing ring for PTV injector	1 each	29001318

Thermo Scientific™ seals for iConnect PTV injector

Type	Recommended use	Quantity	Cat. no
Silver seal	Single column installation	2 pack	29013820

Thermo Scientific™ ferrules and nuts for PTV iConnect injector

Type	Recommended use	Quantity	Ferrule cat. no.	Quantity	Nut cat. no
Encapsulated graphite ferrule	0.1-0.25 mm ID column	10 pack	29053488	5 pack	35053221
Encapsulated graphite ferrule	0.32 mm ID column	10 pack	29053487	5 pack	35053221
Encapsulated graphite ferrule	0.53 mm ID column	10 pack	29053486	5 pack	35053221

Note: Ferrules and nuts are compatible with TSI injector

Mass spectrometer transfer line connections

Thermo Scientific™ ferrules and nuts for MS interface line

Type	Recommended use	Quantity	Ferrule cat. no.	Quantity	Nut cat. no
Graphite/vespel ferrule	0.1-0.25 mm ID column	10 pack	290VA191	1 each	1R120434-0010
Graphite/vespel ferrule	0.32 mm ID column	10 pack	290VA192	1 each	1R120434-0010
Graphite/vespel ferrule	0.53 mm ID column	10 pack	290VA193	1 each	1R120434-0010
SCP-5000	0.1-0.25 mm ID column for high temp	5 pack	290VT221	1 each	1R120434-0010
Graphite/vespel ferrule	0.1-0.25 mm ID column	10 pack	29033496	5 pack	290BT240
Graphite/vespel ferrule	0.32 mm ID column	10 pack	29033497	5 pack	290BT240
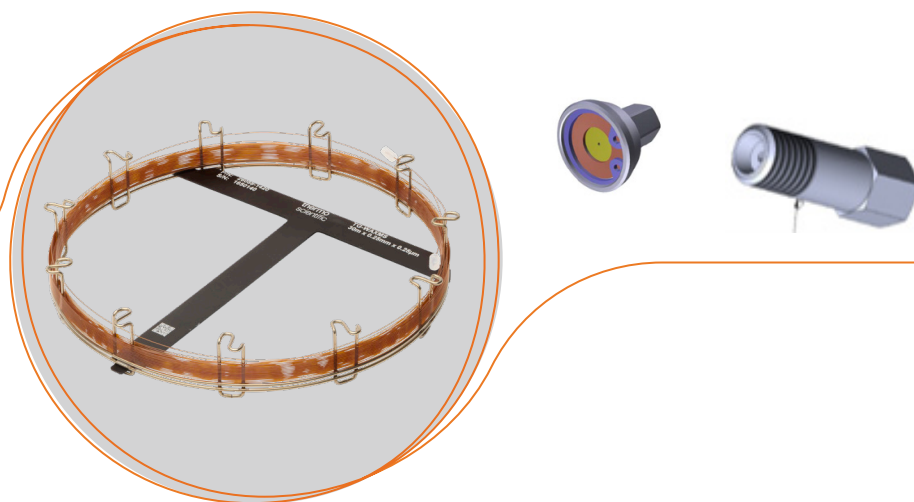
Gas management

Thermo Scientific™ Super Clean™ cartridge gas filters

Type	Recommended use	Base included	Quantity	Cat. no.
Indicating triple filter Moisture, oxygen, hydrocarbons	GC, GC-MS	No	1 each	**60180-824**
Indicating triple filter Moisture, oxygen, hydrocarbons	GC, GC-MS	Yes	1 each	**60180-830**
Indicating triple filter Moisture, oxygen, hydrocarbons-helium preconditioned	GC-MS, GC Eliminate stabilization time when using helium as carrier gas	No	1 each	**60180-825**
Indicating triple filter Moisture, oxygen, hydrocarbons-helium preconditioned	GC-MS, GC Eliminate stabilization time when using helium as carrier gas	Yes	1 each	**60180-829**
Single base	Easy and fast replacement of super clean cartridge filters	—	1 each	**60180-814**

Thermo Scientific™ Click-On™ inline gas filters

Type	Recommended use	Quantity	Cat. no.
Triple filter Moisture, oxygen, hydrocarbons	ICP-MS, GC	1 each	**60180-805**
Triple filter Moisture, oxygen, hydrocarbons-helium preconditioned	GC-MS, GC Eliminate stabilization time when using helium as carrier gas	1 each	**60180-806**
Combi Moisture, hydrocarbons	ICP-MS	1 each	**60180-843**
Combi Moisture, oxygen	GC (carrier gas)	1 each	**60180-804**
Steel end fitting, 0.125 in.	Easy and fast replacement of Click-On inline filter	2 pack	**60180-810**

Equipment and kit

Description	Quantity	Cat. no.
GFM Pro gas flowmeter	1 each	**66002-010**
GLD Pro gas leak detector	1 each	**66002-004**
GC installation kit	1 each	**60180-888**

GC columns

Thermo Scientific™ application specific GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-PBDE	0.25	15	0.10	26061-0350
TG-PAH	0.25	60	0.10	26055-0120
TG-Dioxin	0.25	60	0.25	26066-1540
TR-PCB 8MS	0.25	50	0.25	26AJ148P
TR-Pesticide II	0.25	30 + 5 (guard)	0.25	26RD142F
TG-VMS GC	0.18	20	1.00	26080-4950
TG-VVOC B	0.32	60	5.00	26058-5180
TR-FAME	0.25	100	0.20	260M238P
TR-FFAP	0.25	30	0.25	260N142P
TR-DoA5	0.25	15	0.25	26AF130P
TG-ALC Plus I	0.32	30	1.80	26063-3390
TG-OCP I	0.32	30	0.32	26078-5760
TG-OPP I	0.32	30	0.50	26076-2240
TG-Mineral Oil	0.32	15	0.15	26069-5230

Other phases, dimensions, lengths, and film thickness are available – please visit **application specific GC columns**

Thermo Scientific™ non-polar GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-1MS	0.25	30	0.25	26099-1420
TG-1MS	0.32	30	0.25	26099-1430
TG-1MT (metal)	0.53	5	0.10	26M99-4130

Other phases, dimensions, lengths, and film thickness are available – please visit **non-polar GC columns**

Thermo Scientific™ low-polar GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-5SilMS	0.25	30	0.25	26096-1420
TG-5SilMS	0.25	30 + 5 (Guard)	0.25	26096-1425
TG-5MS	0.32	30	0.25	26098-1430
TG-5MT (metal)	0.25	30	0.25	26M98-1420
TG-5MS AMINE	0.25	30	0.25	26097-1420
TG-XLBMS	0.25	30	0.25	26079-1420

Other phases, dimensions, lengths, and film thickness are available – please visit **low-polar GC columns**

Thermo Scientific™ mid-polar GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-1701MS	0.25	30	0.25	26090-1420
TG-1701MS	0.32	30	0.25	26090-1430
TG-17SilMS	0.25	30	0.25	26072-1420
TG-624SilMS	0.32	30	1.80	26059-3390
TG-624SilMS	0.25	30	1.40	26059-3320
TG-1301MS	0.25	30	0.25	26091-1420
TG-35MS	0.25	30	0.25	26094-1420
TG-225MS	0.25	30	0.25	26083-1420

Other phases, dimensions, lengths, and film thickness are available – please visit **mid-polar GC columns**

Thermo Scientific™ polar GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-WaxMS	0.25	30	0.25	26088-1420
TG-WaxMS	0.32	30	0.25	26088-1430
TG-WaxMS A	0.25	30	0.25	26087-1420
TG-WaxMS B	0.25	30	0.25	26086-1420
TG-POLAR	0.25	60	0.20	26082-5020

Other phases, dimensions, lengths, and film thickness are available – please visit **polar GC columns**

Thermo Scientific™ TracePLOT™ GC columns

Phase	ID (mm)	Length (m)	Film thickness (µm)	Cat. no.
TG-BOND Alumina (Na_2SO_4)	0.32	50	5	26001-6050
TG-BOND Q	0.32	30	10	26004-6030
TG-BOND Q+	0.32	30	10	26005-6030
TG-BOND Sieve 5A	0.32	30	30	26003-6040

Other phases, dimensions, lengths, and film thickness are available – please visit **PLOT columns**

GC column connectors

Thermo Scientific™ capillary guard columns

Phase	ID (mm)	Length (m)	Recommended use	Cat. no.
Thermo Scientific™ GuardGOLD™	0.53	2	Protects against the analytical column contamination, focuses target analytes for better peak shape	26050-0253
Thermo Scientific™ GuardGOLD™	0.32	2		26050-0232
Thermo Scientific™ HydroGOLD™	0.53	5	Connecting GC to other devices, i.e. purge-and-trap, headspace, TD…	26H50-0553
Thermo Scientific™ HydroGOLD™	0.32	5		26H50-0532

Other dimensions and lengths are available, please visit GC catalog

Thermo Scientific™ SilFlow™ devices (Microfluidics)

Type	Recommended use	Quantity	Cat. no.
5-Port SilFlow MCD	Dean switch, 2D GC	1 each	60201-389
3-Port SilFlow MCD	Backflush with 0.32 mm ID pre-column	1 each	60201-396
3-Port SilFlow MCD	Backflush with 0.53 mm ID pre-column	1 each	60201-397
3-Port SilFlow MCD	Splitter, i.e. dual detectors	1 each	60201-398
SilTite FingerTite ferrules	< or = 0.25 mm ID column	10 pack	29063465
SilTite FingerTite ferrules	0.25 mm ID column	10 pack	29063466
SilTite FingerTite ferrules	0.32 mm ID column	10 pack	29063467
FingerTite nuts	—	10 pack	290SF302

Other parts are available, please visit GC catalog

SilTite unions

Type	1st column ID (mm)	2nd column ID (mm)	Recommended use	Cat. no.
SilTite u-Union kit	0.1-0.25	0.1-0.25	Connecting capillary columns	290SM301
SilTite u-Union kit	0.1-0.25	0.32	Connecting guard column to analytical column	290SM302
SilTite u-Union kit	0.1-0.25	0.53	Connecting guard column to analytical column	290SM303

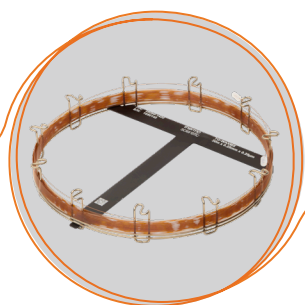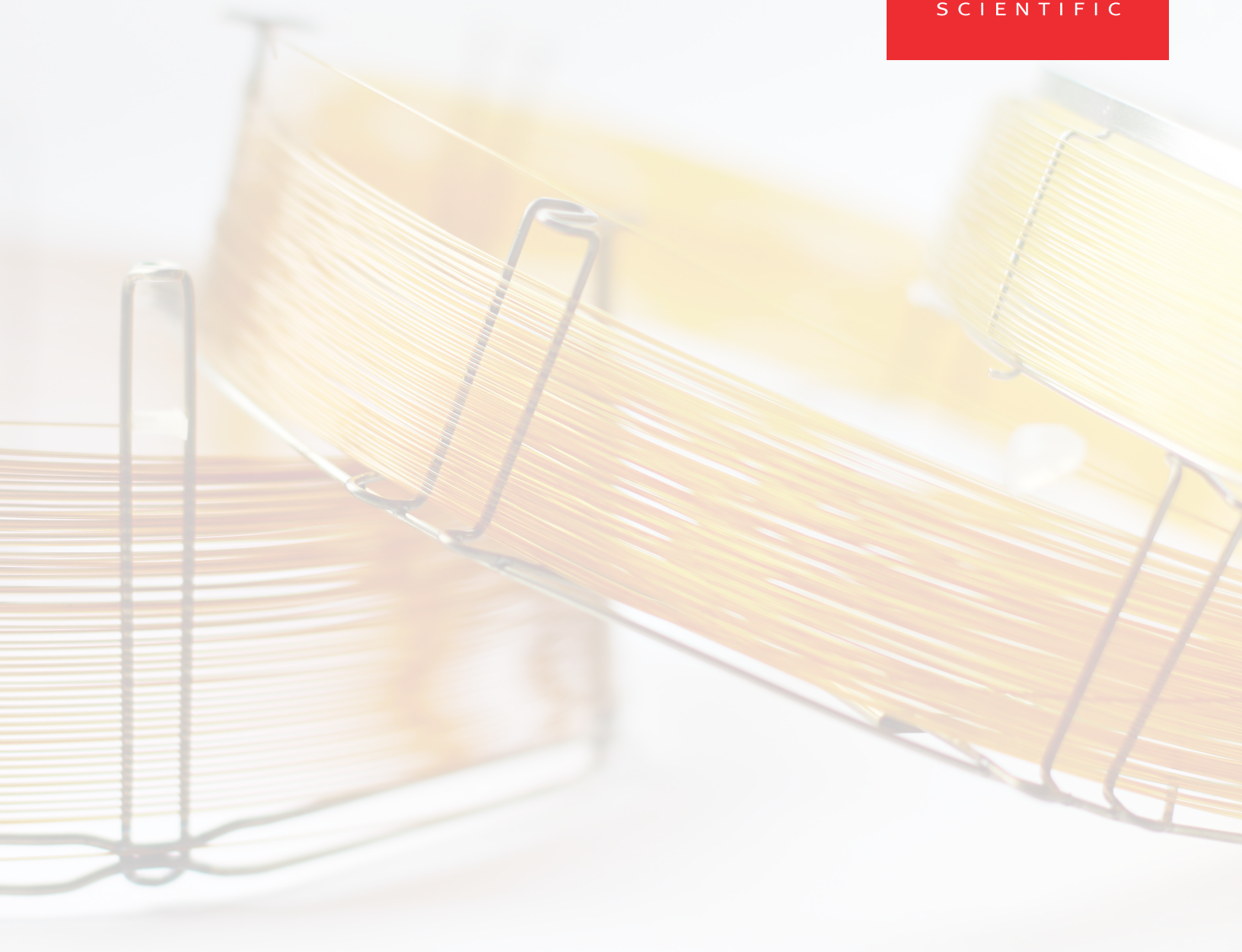Other parts are available, please visit GC catalog
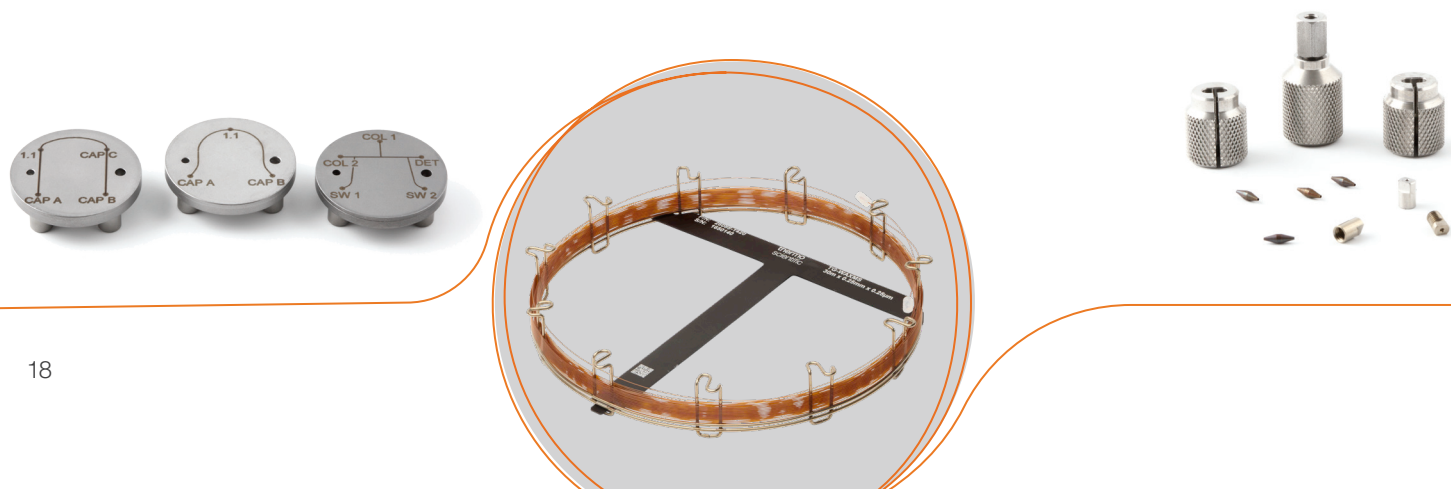
Sample handling

Thermo Scientific™ SureSTART™ vials and caps

Vial type	Recommended use	Quantity	Cat. no
Vials and closures			
Amber crimp microvial	Low volume liquid injection Light sensitive samples	100 pack	**6PCV1103FIVAP**
Amber screw microvial	Low volume liquid injection Light sensitive samples	100 pack	**6PSV9-03FIVAP**
Amber crimp 2 mL vial	Liquid injection Light sensitive samples	100 pack	**6ACV11-2P**
Amber screw 2 mL vial	Liquid Injection Light sensitive samples	100 pack	**6ASV9-2P**
Amber Surestop 2 mL vial	Liquid Injection Light sensitive samples High security	100 pack	**6PSV9-2PSS**
Clear crimp microvial	Low volume liquid injection	100 pack	**6PCV11-03FIVP**
Clear screw microvial	Low volume liquid injection	100 pack	**6PSV9-03FIVP**
Clear crimp 2 mL vial	Liquid Injection	100 pack	**6ACV11-1P**
Clear screw 2 mL vial	Liquid Injection	100 pack	**6ASV9-1P**
Clear Surestop screw 2 mL vial	Liquid Injection High security	100 pack	**6PSV9-1PSS**
Headspace vials			
Amber crimp 10 mL vial	Headspace Light sensitive samples	100 pack	**6ACV10-2R**
Amber screw 10 mL vial	Headspace Light sensitive samples	100 pack	**6ASV10-2**
Amber crimp 20 mL vial	Headspace Light sensitive samples	100 pack	**6ACV20-2PE**
Amber screw 20 mL vial	Headspace Light sensitive samples	100 pack	**6ASV20-2**
Clear crimp 10 mL vial	Headspace	100 pack	**6ACV10-1R**
Clear screw 10 mL vial	Headspace	100 pack	**6ASV10-1**
Clear crimp 20 mL vial	Headspace	100 pack	**6PCV20-1R**
Clear screw 20 mL vial	Headspace	100 pack	**6ASV20-1**

SureSTART vials and caps continued

Vial type	Recommended use	Quantity	Cat. no
Caps			
Crimp cap, 11 mm	General purpose crimp seals	100 pack	**6ACC11RT1**
Screw Thermo Scientific™ AVCS™ (Advanced Vial Closure System) cap, 9 mm	High sensitivity	100 pack	**6ASC9ST1**
Crimp cap, 11 mm	High sensitivity MS compatible septa	100 pack	**6PCC11ST101**
Screw AVCS cap, 9 mm	High sensitivity MS compatible septa	100 pack	**6PSC9ST101**
Headspace caps			
Crimp cap, 20 mm	Magnetic transfer cap for headspace injection	100 pack	**6PBCC20-ST3**
Screw cap, 18 mm	Magnetic transfer cap for headspace injection	100 pack	**6PMSC18-ST2**
Crimp cap, 20 mm	Magnetic transfer cap High temperature injection	100 pack	**6PBCC20-STH**
Crimp cap, 20 mm	Magnetic transfer cap Thin seal for SPME injection	100 pack	**6PBCC20-STME**
Screw cap, 18 mm	Magnetic transfer cap High temperature injection	100 pack	**6PMSC18-STH**