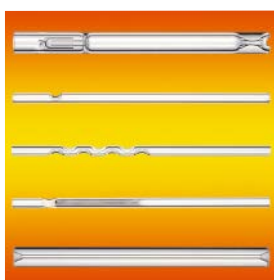




Supplies and Accessories

- Fused Silica Capillary Tubing
- PressFit Connector and Splitter
- GC Liners, Ferrules and Septa
- Vials and Accessories
- Syringe Filters
- PEEK and Polymeric Tubing
- Stainless Steel Tubing
- Swagelok® Fittings
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Fused Silica Capillary Tubing of Polymicro

Polymicro Technologies offers 100% synthetic fused silica tubing for a huge number of applications in GC, LC, CE and MS. Available are 4 coatings:



- TSP**
- Standard Polyimide Coating
 - Operating Temperature up to 350°C



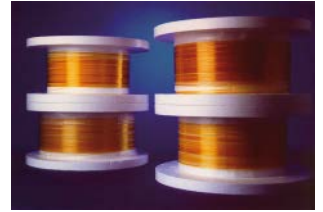
Part No.	ID (µm)		OD (µm)		Coating (µm)	Minimum Order (m)	Price / m*
TSP-002150	002	± 1	150	± 6	12	5	Price
TSP-005150	005	± 2	150	± 6	12	5	Price
TSP-005375	005	± 2	363	± 10	20	5	Price
TSP-010150	010	± 2	150	± 6	12	5	Price
TSP-010375	010	± 2	363	± 10	20	5	Price
TSP-015150	015	± 2	150	± 6	12	5	Price
TSP-015375	015	± 2	363	± 10	20	5	Price
TSP-020090	020	± 2	090	± 6	12	5	Price
TSP-020150	020	± 2	150	± 6	12	5	Price
TSP-020375	020	± 2	363	± 10	20	5	Price
TSP-025150	025	± 2	150	± 6	12	5	Price
TSP-025375	025	± 2	363	± 10	20	5	Price
TSP-030150	030	± 2	150	± 6	12	5	Price
TSP-030375	030	± 2	363	± 10	20	5	Price
TSP-040105	040	± 3	105	± 6	12	5	Price
TSP-040150	040	± 3	150	± 6	12	5	Price
TSP-040375	040	± 3	363	± 10	20	5	Price
TSP-050150	050	± 3	150	± 6	12	5	Price
TSP-050192	050	± 3	186	± 6	16	5	Price
TSP-050375	050	± 3	363	± 10	20	5	Price
TSP-075150	075	± 3	150	± 6	12	5	Price
TSP-075200	075	± 3	193	± 7	12	5	Price
TSP-075375	075	± 3	363	± 10	20	5	Price
TSP-100170	100	± 4	164	± 6	12	5	Price
TSP-100200	100	± 4	193	± 7	12	5	Price
TSP-100245	100	± 4	238	± 7	16	5	Price
TSP-100375	100	± 4	363	± 10	20	5	Price
TSP-150375	150	± 4	363	± 10	20	5	Price
TSP-180350	180	± 6	360	± 10	18	25	Price
TSP-200350	200	± 6	360	± 10	18	25	Price
TSP-250350	250	± 6	360	± 10	18	25	Price
TSP-320450	320	± 6	435	± 10	18	25	Price
TSP-530660	536	± 6	665	± 15	24	25	Price
TSP-530700	530	± 10	700	± 20	24	25	Price
TSP-700850	700	± 10	850	± 20	24	5	Price

* Quantity Breaks available



Thick Wall TSP

- Thick wall provides added mechanical strength during and after packing
- Exacting ID tolerances minimize column-to-column variations
- Durable polyimide provides good chemical and abrasion resistance
- Easily cleaved to the desired length
- Standard Polyimide Coating
- Operating Temperature up to 350°C



Part No.	ID (μm)		OD (μm)		Coating (μm)	Minimum Order (m)	Price / m*
TSP-150665	150	± 6	665	± 15	24	5	Price
TSP-200665	200	± 6	665	± 15	24	5	Price
TSP-250665	250	± 6	665	± 15	24	5	Price
TSP-300665	300	± 6	665	± 15	24	5	Price
TSP-450670	450	± 6	673	± 15	24	5	Price



TSG

- High Temperature Polyimide Coating
- Operating Temperature up to 400°C

Part No.	ID (μm)		OD (μm)		Coating (μm)	Minimum Order (m)	Price / m*
TSG-250350	250	± 6	350	± 15	20	25	Price
TSG-320450	320	± 6	435	± 15	18	25	Price
TSG-530660	536	± 6	680	± 25	30	25	Price



TSU

- UV Transparent Coating for CE
- Operating Temperature up to 160°C

Part No.	ID (μm)		OD (μm)		Coating (μm)	Minimum Order (m)	Price / m*
TSU-050375	050	± 3	363	± 10	15	5	Price
TSU-075375	075	± 3	363	± 10	15	5	Price
TSU-100375	100	± 4	363	± 10	15	5	Price



WWP

- Square Tubing with TSP Coating for CE
- Operating Temperature up to 350°C



- Coating (Polyimide)
- Fused Silica
- Square ID

Part No.	ID (μm)		OD (μm)		Coating (μm)	Minimum Order (m)	Price / m*
WWP-050375	050	± 5	363	± 15	300	5	Price
WWP-075375	075	± 5	363	± 15	300	5	Price
WWP-100375	100	± 5	363	± 15	300	5	Price

¹⁾ Measured flat-to-flat

* Quantity Breaks available

Deactivated FS-Capillary Tubing

BGB offers 3 different types of deactivated tubing for many applications in Gas Chromatography, Liquid Chromatography, Mass Spectrometry and Capillary Electrophoresis. Best inertness shows the standard phenyl/methyl deactivation. This is the best choice for the most common solvents. For solvents with traces of water the OV-1701-OH deactivation should be used. This deactivation is more stable against water or water containing solvents, but is less inert than a phenyl/methyl or methyl deactivation.

Each tubing is tested with a Grob-Test for best inertness. In contrast to other manufacturers we do check the complete batch and not only some meters of the batch.



Part No.	ID (μm)		OD (μm)		Length (m)	T _{max} (°C)	Price
Phenyl/Methyl Deactivated FS-Tubing							
TSP-025375-D-10	025	± 2	363	± 10	10	350	Price
TSP-050375-D-10	050	± 3	363	± 10	10	350	Price
TSP-075375-D-10	075	± 3	363	± 10	10	350	Price
TSP-100170-D-10	100	± 4	164	± 6	10	350	Price
TSP-100200-D-10	100	± 4	193	± 7	10	350	Price
TSP-100245-D-10	100	± 4	238	± 7	10	350	Price
TSP-100375-D-10	100	± 4	363	± 10	10	350	Price
TSP-150375-D-10	150	± 4	363	± 10	10	350	Price
TSP-180350-D-10	180	± 6	360	± 10	10	350	Price
TSP-200350-D-10	200	± 6	360	± 10	10	350	Price
TSP-250350-D-10	250	± 6	360	± 10	10	350	Price
TSP-320450-D-10	320	± 6	435	± 10	10	350	Price
TSP-530660-D-10	536	± 6	665	± 15	10	350	Price
TSP-530700-D-10	530	± 10	700	± 20	10	350	Price
TSG-250350-D-10	250	± 6	350	± 15	10	400	Price
TSG-320450-D-10	320	± 6	435	± 15	10	400	Price
TSG-530660-D-10	536	± 6	680	± 25	10	400	Price

OV-1701-OH Deactivated FS-Tubing (water-resistant)

TSP-025375-P-10	025	± 2	363	± 10	10	350	Price
TSP-050375-P-10	050	± 3	363	± 10	10	350	Price
TSP-075375-P-10	075	± 3	363	± 10	10	350	Price
TSP-100375-P-10	100	± 4	363	± 10	10	350	Price
TSP-250350-P-10	250	± 6	360	± 10	10	350	Price
TSP-320450-P-10	320	± 6	435	± 10	10	350	Price
TSP-530660-P-10	536	± 6	665	± 15	10	350	Price
TSP-530700-P-10	530	± 10	700	± 20	10	350	Price
TSG-250350-P-10	250	± 6	350	± 15	10	400	Price
TSG-320450-P-10	320	± 6	435	± 15	10	400	Price
TSG-530660-P-10	536	± 6	680	± 25	10	400	Price

*) Other dimensions available on request

Part No.	ID (µm)			OD (µm)		Length (m)	T _{max} (°C)	Price
Methyl Deactivated FS-Tubing								
TSP-025375-M-10	025	± 2	363	± 10	10	350	Price	
TSP-050375-M-10	050	± 3	363	± 10	10	350	Price	
TSP-075375-M-10	075	± 3	363	± 10	10	350	Price	
TSP-100170-M-10	100	± 4	164	± 6	10	350	Price	
TSP-100200-M-10	100	± 4	193	± 7	10	350	Price	
TSP-100245-M-10	100	± 4	238	± 7	10	350	Price	
TSP-100375-M-10	100	± 4	363	± 10	10	350	Price	
TSP-150375-M-10	150	± 4	363	± 10	10	350	Price	
TSP-180350-M-10	180	± 6	360	± 10	10	350	Price	
TSP-200350-M-10	200	± 6	360	± 10	10	350	Price	
TSP-250350-M-10	250	± 6	360	± 10	10	350	Price	
TSP-320450-M-10	320	± 6	435	± 10	10	350	Price	
TSP-530660-M-10	536	± 6	665	± 15	10	350	Price	
TSP-530700-M-10	530	± 10	700	± 20	10	350	Price	
TSG-250350-M-10	250	± 6	350	± 15	10	400	Price	
TSG-320450-M-10	320	± 6	435	± 15	10	400	Price	
TSG-530660-M-10	536	± 6	680	± 25	10	400	Price	



LVI-Gap for Large Volume Injection

The LVI-Gap is a phenyl/methyl deactivated FS Tubing of 15m x 0.53mm ID, with a thin film of a silicone on the last 3m. This tubing is optimized for Large Volume Injections in Gas Chromatography. The compounds in the solvent will be trapped in the phase and separated from the solvent. After evaporating the solvent, the compounds can be transferred to the analytical column.

Part No.	Coating	Dimensions	OD (µm)	Price
26060427	0.25µm BGB-5	15m x 0.53mm	700 ±20	Price
26060425	0.45µm BGB-5	15m x 0.53mm	700 ±20	Price



SETonic On-Column Syringes

for more information visit www.bgb-info.com/setonic-on-column



PressFit Connector and Splitter

see page 8-10.

PressFit Connector and Splitter

PressFit-Connectors and -Splitters are made out of borosilicate glass to connect two or more capillary columns together. The seal of this connection type is the coating on the outside of the capillary tubing. This polyimide is soft and adhesive. Many applications in Gas Chromatography and Mass Spectrometry are possible.



- Couple a capillary column with a pre-column
- Couple capillary columns of different polarities
- Couple capillary columns for increasing length
- Repair a broken capillary column
- Split before and/or after the capillary column
- Switch between different capillary columns (multidimensional Gas Chromatography)

How it works

PressFit connectors form a leak-tight seal by using concentric compressive forces as the tubing end is pushed into a tightly controlled radial restriction. These forces are strong enough to form a leak-tight seal under the normal pressures used in capillary GC. The seal is further strengthened as an exterior polyimide resin coating on the column bonds to the inner surface of the connector after several thermal cycles at 200°C.

To obtain a good connection it is necessary to clean the end's of the tubing's with some solvent. Remove 1cm of the tubing by making a cut with a ceramic scoring wafer into the polyimide surface and bend the tubing until it breaks. Examine the end with a pocket magnifier for a proper cut. A poorly cutted capillary column will produce an inadequate seal. Repeat this step if necessary. If the cut is smooth, the tubing can be pushed into the PressFit.

Our PressFit's are made out of borosilicate glass. For most of the applications a deactivated surface is not necessary, because of the short contact of the sample with the surface (<20ms). Nevertheless we recommend for critical compounds the use of deactivated PressFit's.

MS-Fit Connector and Splitter

The MS-Fit Connector and Splitter are the next generation of our PressFit products. The taper inside and the length are improved for a better sealing, also with the modern coatings used to make Fused Silica Tubing. These hard coatings are very often the problem for leaks, which are typical seen in Mass Spectrometry.



PressFit Color Code *

Internal Diameter FS-Tubing	External Diameter FS-Tubing	Color
0.20mm	0.29 - 0.36mm	purple
0.25mm	0.34 - 0.38mm	red
0.32mm	0.41 - 0.48mm	black
0.53mm	0.61 - 0.70mm	blue

* The standard PressFit connector is optimized for a defined outer capillary diameter. Outer diameters of columns of different origin vary to some extent.

Defined PressFit Connector - Deactivated

Part No.	ID _A (mm)	ID _B (mm)	Qty.	Price
2020LD	0.20	0.20	pk.25	Price
2025LD	0.20	0.25	pk.25	Price
2032LD	0.20	0.32	pk.25	Price
2053LD	0.20	0.53	pk.25	Price
2525LD	0.25	0.25	pk.25	Price
2532LD	0.25	0.32	pk.25	Price
2553LD	0.25	0.53	pk.25	Price
3232LD	0.32	0.32	pk.25	Price
3253LD	0.32	0.53	pk.25	Price
5353LD	0.53	0.53	pk.25	Price



Universal PressFit Connector - Deactivated

Part No.	External Diameter	Qty.	Price
UNIAD	0.30 to 0.75mm OD	pk.10	Price
UNIBD	0.20 to 0.75mm OD	pk.10	Price



MS-Fit Connector and Splitter - Deactivated

Part No.	Type	External Diameter	Qty.	Price
MS-FIT	Connector	0.30 to 0.50mm	pk.10	Price
MS-FIT3	3-way Splitter	0.30 to 0.50mm	ea.	Price
MS-FIT4-T	4-way T-Splitter	0.30 to 0.50mm	ea.	Price
MS-FIT4-X	4-way X-Splitter	0.30 to 0.50mm	ea.	Price



Defined PressFit 3-way Splitter - Deactivated

Part No.	ID _A (mm) Inlet	ID _B (mm) Outlet 1	ID _C (mm) Outlet 2	Qty.	Price
S202020D	0.20	0.20	0.20	ea.	Price
S252525D	0.25	0.25	0.25	ea.	Price
S323232D	0.32	0.32	0.32	ea.	Price
S535353D	0.53	0.53	0.53	ea.	Price

Other combinations:

S-AA-BB-CC-D	AA	BB	CC
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Universal PressFit 3-way Splitter - Deactivated

Part No.	External Diameter	Qty	Price
SUNI3AD	0.30 to 0.75mm OD	ea.	Price
SUNI3BD	0.20 to 0.75mm OD	ea.	Price

More PressFit Splitter see page 10.

Defined PressFit 4-way Y-Splitter - Deactivated

Part No.	ID _A (mm) Inlet	ID _B (mm) Outlet 1	ID _C (mm) Outlet 2	ID _D (mm) Outlet 3	Qty.	Price
S20202020TD	0.20	0.20	0.20	0.20	ea.	Price
S25252525TD	0.25	0.25	0.25	0.25	ea.	Price
S32323232TD	0.32	0.32	0.32	0.32	ea.	Price
S53535353TD	0.53	0.53	0.53	0.53	ea.	Price

Other combinations:

S-AA-BB-CC-DD-TD	AA	BB	CC	DD
------------------	----	----	----	----



Universal PressFit 4-way Y-Splitter - Deactivated

Part No.	External Diameter	Qty	Price
SUNI4TAD	0.30 to 0.75mm OD	ea.	Price
SUNI4TBD	0.20 to 0.75mm OD	ea.	Price

Defined PressFit 4-way X-Splitter - Deactivated

Part No.	ID _A (mm) Inlet 1	ID _B (mm) Inlet 2	ID _C (mm) Outlet 1	ID _D (mm) Outlet 2	Qty.	Price
S20202020XD	0.20	0.20	0.20	0.20	ea.	Price
S25252525XD	0.25	0.25	0.25	0.25	ea.	Price
S32323232XD	0.32	0.32	0.32	0.32	ea.	Price
S53535353XD	0.53	0.53	0.53	0.53	ea.	Price

Other combinations:

S-AA-BB-CC-DD-XD	AA	BB	CC	DD
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Defined PressFit 4-way X-Splitter - Deactivated

Part No.	External Diameter	Qty	Price
SUNI4XAD	0.30 to 0.75mm OD	ea.	Price
SUNI4XBD	0.20 to 0.75mm OD	ea.	Price

Custom made Connectors or Splitters are available on request!



Hexagon Key Set, 30 pieces (mm & inch)

Metric: 0,7; 0,9; 1,27; 1,5; 2,0; 2,5; 4,0; 4,5; 5,0; 5,5; 6,0; 7,0; 8,0; 10,0 mm
 Inch: 0,028; 0,036; 0,05; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16 und 3/8 inch
 Material: Chrome-Vanadium steel

Part No.	Product	Qty	Price
IMBUS	Hexagon Key Set (mm & inch), Chrome Vanadium Steel	ea.	Price



Fused Silica Tubing
see page 4-7.

Deactivated Splitless Liners for Agilent Instruments

column end this side	Description	Benefits/Uses	Similar to Agilent #	Part No.	Qty.	Price
	 Splitless Liner 2.0mm ID, 6.5 x 78.5mm	trace samples <2µl	5181-8818, 5183-4703 5183-4704	LS1104 LS1104-5	ea. pk.5	Price Price
	 Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace samples >2µl	210-3003 210-3003-5	LS1105 LS1105-5	ea. pk.5	Price Price
	 Splitless Liner with Wool, 4.0mm ID, 6.5 x 78.5mm	trace samples >2µl	-	LS1106 LS1106-5	ea. pk.5	Price Price
	 Single Gooseneck Splitless Liner, 2.0mm ID, 6.5 x 78.5mm	trace samples <2µl	-	LS1103 LS1103-5	ea. pk.5	Price Price
	 Single Gooseneck Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace samples >2µl	5181-3316, 5183-4695 5183-4696, 5190-2270	LS1100 LS1100-5	ea. pk.5	Price Price
	 Single Gooseneck Splitless Liner with Wool, 4.0mm ID, 6.5 x 78.5mm	trace samples >2µl	5062-3587, 5183-4693 5183-4694, 5190-2271	LS1101 LS1101-5	ea. pk.5	Price Price
	 Double Gooseneck Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace, active samples >2µl	5181-3315, 5183-4705 5183-4706, 5190-2272	LS1102 LS1102-5	ea. pk.5	Price Price
	 Double Gooseneck Cyclo Splitless Liner, 2.0mm ID, 6.5 x 78.5mm	trace, active, dirty samples <2µl	-	LS1107 LS1107-5	ea. pk.5	Price Price
	 Double Gooseneck Cyclo Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace, active, dirty samples >2µl	-	LS1108 LS1108-5	ea. pk.5	Price Price

Deactivated PTV Liners for Agilent Instruments

column end this side	Description	Benefits/Uses	Similar to Agilent #	Part No.	Qty.	Price CHF
	 PTV Liner, straight glass, 2.0mm ID, 3.0 x 71mm	general use	5183-2036	LS1200 LS1200-5	ea. pk.5	Price Price
	 PTV Liner, baffled glass, 1.5mm ID, 3.0 x 71mm	active compounds, drugs, pesticides	5183-2037	LS1201 LS1201-5	ea. pk.5	Price Price
	 PTV Liner, glass with wool, 2.0mm ID, 3.0 x 71mm	large volume injections	5183-2038	LS1202 LS1202-5	ea. pk.5	Price Price

Deactivated Split Liners for Agilent Instruments

column end this side	Description	Benefits/Uses	Similar to Agilent #	Part No.	Qty.	Price
	 Split Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	universal	19251-60540, 5183-4691 5183-4692	LS1000 LS1000-5	ea. pk.5	Price Price
	 Cup Splitter Liner, 4.0mm ID, 6.3 x 78.5mm	high & low MW compounds	18740-80190, 5183-4699 5183-4700	LS1001 LS1001-5	ea. pk.5	Price Price
	 Cyclosplitter Liner, 4.0mm ID, 6.3 x 78.5mm	dirty samples	-	LS1002 LS1002-5	ea. pk.5	Price Price
	 Split Precision Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	dirty samples, trace samples	210-4004-5	LS1003 LS1003-5	ea. pk.5	Price Price
	 Single Gooseneck Precision Split Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	dirty samples, trace samples	210-4022-5	LS1004 LS1004-5	ea. pk.5	Price Price
	 Low Pressure Drop Single Gooseneck Precision Split Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	universal	-	LS1005 LS1005-5	ea. pk.5	Price Price
	 Low Pressure Drop Split Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	universal	5183-4647, 5183-4701 5183-4702, 5183-4711 5183-4712, 5183-4713	LS1006 LS1006-5	ea. pk.5	Price Price
	 SPME Split Liner, 0.75mm ID, 6.3 x 78.5mm	ideal for low-volume SPME applications	-	LS1007 LS1007-5	ea. pk.5	Price Price

Inlet Seals, Capillary Column Nuts and MSD Source Nuts for Agilent Instruments

	Description	Similar to Agilent #	Part No.	Qty.	Price
	 Agilent Gold-plated Inlet Seal (incl. Washer), 0.8mm hole	18740-20885 5188-5367	LS9000 LS9000-5	ea. pk.5	Price Price
	 Agilent Stainless Steel Inlet Seal (incl. Washer), 0.8mm Opening	18740-20880	LS9001 LS9001-5	ea. pk.5	Price Price
	 Agilent Capillary Column Nut, SS, for use with „Compact“ Ferrules	5181-8830	LS9002 LS9002-5	ea. pk.5	Price Price
	 Agilent Capillary Column Nut, SS, for use with Standard 1/16"	05921-21170	LS9003 LS9003-5	ea. pk.5	Price Price

Deactivated Liners for Bruker/Varian 1177 S/SL Injector

column end this side	Description	Benefits/Uses	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Split Liner with Frit, 4.0mm ID, 6.3 x 78.5mm	universal	-	LS3000 LS3000-5	ea. pk.5	Price Price
	 Split Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	universal	392611934	LS3001 LS3001-5	ea. pk.5	Price Price
	 Split Precision Liner with Wool, 4.0mm ID, 6.3 x 78.5mm	dirty samples trace samples	-	LS3002 LS3002-5	ea. pk.5	Price Price
	 Single Gooseneck Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace samples <2µl	392611927	LS3003 LS3003-5	ea. pk.5	Price Price
	 Single Gooseneck Splitless Liner with Wool, 4.0mm ID, 6.5 x 78.5mm	trace samples <2µl	392611928	LS3004 LS3004-5	ea. pk.5	Price Price
	 Double Gooseneck Splitless Liner, 4.0mm ID, 6.5 x 78.5mm	trace, active samples <2µl	392611929	LS3005 LS3005-5	ea. pk.5	Price Price
	 Low Pressure Drop Precision Liner with Wool, 2.0mm ID, 6.3 x 78.5mm	trace samples <2µl, dirty samples	-	LS3006 LS3006-5	ea. pk.5	Price Price
	 Splitless Liner with Wool, 2.0mm ID, 6.5 x 78.5mm	trace samples <2µl	392599903	LS3007 LS3007-5	ea. pk.5	Price Price

Deactivated Liners for Bruker/Varian SPI S/SL Injector

column end this side	Description	Benefits/Uses	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Liner 0.53mm, 4.6 x 54mm	high linearity for 0.25 & 0.32mm ID columns	190010906	LS3200 LS3200-5	ea. pk.5	Price Price
	 Liner 0.8mm, 4.6 x 54mm	high linearity for 0.53mm ID columns	190010907	LS3201 LS3201-5	ea. pk.5	Price Price

Capillary Nuts for Bruker/Varian Instruments

	Description	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Bruker/Varian Capillary Nuts, Brass	03-949551-00 394955100	LS9006 LS9006-5	ea. pk.5	Price Price
	 Bruker/Varian Capillary Nuts, Stainless Steel	03-949551-00 394955100	LS9007 LS9007-5	ea. pk.5	Price Price

Deactivated Liners for Bruker/Varian 1078/1079 Injector

column end this side	Description	Benefits/Uses	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Split Liner with Frit, 3.4mm ID, 5.0 x 54mm	dirty samples, non-active compounds	392611946	LS3100 LS3100-5	ea. pk.5	Price Price
	 Splitless Liner, 2mm ID, 5.0 x 54mm	trace samples <2µl	392611947	LS3101 LS3101-5	ea. pk.5	Price Price
	 Open Liner, 0.5mm ID, 5.0 x 54mm	trace samples <1µl	392611949	LS3102 LS3102-5	ea. pk.5	Price Price
	 Open Liner, 0.75mm ID, 5.0 x 54mm	trace, low volume samples	392611948	LS3103 LS3103-5	ea. pk.5	Price Price
	 Split Liner (without Frit), 3.4mm ID, 5.0 x 54mm	active samples	392611945	LS3104 LS3104-5	ea. pk.5	Price Price
	 Split Precision Liner with Wool, 3.4mm ID, 5.0 x 54mm	dirty samples, trace samples	-	LS3105 LS3105-5	ea. pk.5	Price Price

Injector Liner Cleaning Kit

This kit includes four sizes of nylon brush to clean most liners and one foot of pipe cleaner.



Part No.	Description	Qty.	Price
ILCK	Injector Liner Cleaning Kit	ea.	Price

Fine Wire Kit

The kit contains a pin vise and 30 stainless steel wires.
The Fine Wire Kit lets you clean many small items around the lab.

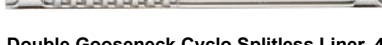


Part No.	Description	Qty.	Price
FWK	Fine Wire Kit	ea.	Price

**SETonic Microsyringes**

see page 79-82.

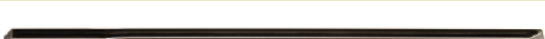
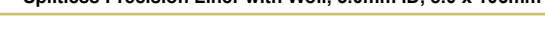
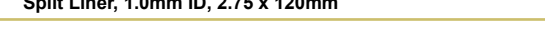
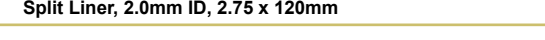
Deactivated Split and Splitless Liners for Bruker/Varian 1075/1077 S/SL Injector

column end this side	Description	Benefits/Uses	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Split Liner, 1mm ID, 6.3 x 72mm	purge & trap inlet splitting or samples <1µl	-	LS3400 LS3400-5	ea. pk.5	Price Price
	 Split Liner with Wool, 4mm ID, 6.3 x 72mm	universal	190010901	LS3401 LS3401-5	ea. pk.5	Price Price
	 Cup Splitter, 4mm ID, 6.3 x 72mm	high & low MW compounds	-	LS3402 LS3402-5	ea. pk.5	Price Price
	 Cyclo Splitter, 4mm ID, 6.3 x 72mm	dirty samples	-	LS3403 LS3403-5	ea. pk.5	Price Price
	 Split Liner with Frit, 4mm ID, 6.3 x 72mm	dirty samples, non-active compounds	190010903	LS3404 LS3404-5	ea. pk.5	Price Price
column end this side	 Split Precision Liner with Wool, 4mm ID, 6.3 x 72mm	dirty samples, active samples	-	LS3405 LS3405-5	ea. pk.5	Price Price
	 Splitless Liner, 2mm ID, 6.3 x 74mm	trace samples <2µl	190010905	LS3300 LS3300-5	ea. pk.5	Price Price
	 Splitless Liner, 4mm ID, 6.3 x 74mm	trace samples >2µl	-	LS3301 LS3301-5	ea. pk.5	Price Price
	 SPME Liner, 0.75mm ID, 6.3 x 74mm	ideal for low-volume SPME applications	-	LS3302 LS3302-5	ea. pk.5	Price Price
	 Double Gooseneck Splitless Liner, 4mm ID, 6.3 x 74mm	trace, active samples up to 4µl	-	LS3303 LS3303-5	ea. pk.5	Price Price
	 Double Gooseneck Cyclo Splitless Liner, 4mm ID, 6.3 x 74mm	trace, dirty, active samples up to 4µl	-	LS3304 LS3304-5	ea. pk.5	Price Price

Capillary Nuts for Bruker/Varian Instruments

	Description	Similar to Bruker/Varian #	Part No.	Qty.	Price
	 Bruker/Varian Capillary Nuts, Brass	03-949551-00 394955100	LS9006 LS9006-5	ea. pk.5	Price Price
	 Bruker/Varian Capillary Nuts, Stainless Steel	03-949551-00 394955100	LS9007 LS9007-5	ea. pk.5	Price Price

Deactivated Split and Splitless Liners for Thermo Scientific Instruments

column end this side	Description	Benefits/Uses	Similar to Thermo Scientific #	Part No.	Qty.	Price
	 Split Liner, 1.0mm ID, 8.0 x 105mm	purge & trap & fast GC	45320075	LS2000 LS2000-5	ea. pk.5	Price Price
	 Split Liner, 3.0mm ID, 8.0 x 105mm	universal	45320031	LS2001 LS2001-5	ea. pk.5	Price Price
	 Split Liner, 5.0mm ID, 8.0 x 105mm	universal	45320030	LS2002 LS2002-5	ea. pk.5	Price Price
	 Split Precision Liner with Woll, 5.0mm ID, 8.0 x 105mm	dirty samples, trace samples	-	LS2003 LS2003-5	ea. pk.5	Price Price
	 Splitless Liner, 2.0mm ID, 8.0 x 105mm	trace samples	-	LS2103 LS2103-5	ea. pk.5	Price Price
	 Splitless Liner, 3.0mm ID, 8.0 x 105mm	trace samples	45320032	LS2100 LS2100-5	ea. pk.5	Price Price
	 Splitless Liner, 5.0mm ID, 8.0 x 105mm	trace samples	45320033	LS2101 LS2101-5	ea. pk.5	Price Price
	 Splitless Precision Liner with Woll, 5.0mm ID, 8.0 x 105mm	dirty samples, trace samples	-	LS2102 LS2102-5	ea. pk.5	Price Price
	 Split Liner, 1.0mm ID, 2.75 x 120mm	trace samples, high recovery&linearity	45322054	LS2200 LS2200-5	ea. pk.5	Price Price
	 Split Liner, 2.0mm ID, 2.75 x 120mm	universal	45322045	LS2201 LS2201-5	ea. pk.5	Price Price
	 Baffle Liner, 2.0mm ID, 2.75 x 120mm	trace samples	-	LS2202 LS2202-5	ea. pk.5	Price Price

Inlet Sealing Ring, Fixing Nut and Cup Ferrules for Thermo Scientific Instruments

	Description	Similar to Thermo Scientific #	Part No.	Qty.	Price
	 Inlet Liner Ring for SSL Injector	29033406	29033406	pk.2	Price
	 Inlet Liner Ring for PTV Injector	29013417	29013417	pk.2	Price
	 Thermo Fixing Nut for Capillary Column	35032423	LS9005 LS9005-5	ea. pk.5	Price Price
	 0.38mm ID Cup Ferrule for Thermo M4 nut	29053488	29013488	pk.10	Price
	 0.48mm ID Cup Ferrule for Thermo M4 nut	29053487	29013487	pk.10	Price
	 0.8mm ID Cup Ferrule for Thermo M4 nut	29053486	29013486	pk.10	Price

Graphite Ferrules

- Upper temperature limit 450°C
- High-purity Graphite - preferred for capillary GC use
- Ideal for glass-to-metal connections - doesn't stick to glass
- Precision formed - flash-free ID
- Reusable if not overtightened
- One-piece design requires no back ferrule



Standard 1/16"				Standard 1/8"			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
G1604	1/16" x 0.4mm ID	pk.10	Price	G1804	1/8" x 0.4mm ID	pk.10	Price
G1625	1/16" x 0.5mm ID, 2-hole	pk.10	Price	G1825	1/8" x 0.5mm ID, 2-hole	pk.10	Price
G1605	1/16" x 0.5mm ID	pk.10	Price	G1805	1/8" x 0.5mm ID	pk.10	Price
G1608	1/16" x 0.8mm ID	pk.10	Price	G1808	1/8" x 0.8mm ID	pk.10	Price
G1610	1/16" x 1.0mm ID	pk.10	Price	G1816	1/8" x 1/16" ID	pk.10	Price
G1612	1/16" x 1.2mm ID	pk.10	Price	G1818	1/8" x 1/8" ID	pk.10	Price
G1616	1/16" x 1/16" ID	pk.10	Price	G1800	1/8", no-hole	pk.10	Price
G1600	1/16", no-hole	pk.10	Price				
Standard 1/4"				Standard 3/8", 1/2" and 3/4" Ferrules			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
G1405	1/4" x 0.5mm ID	pk.10	Price	G3838	3/8" x 3/8" ID	pk.10	Price
G1408	1/4" x 0.8mm ID	pk.10	Price	G1212	1/2" x 1/2" ID	pk.5	Price
G1416	1/4" x 1/16" ID	pk.10	Price	G3434	3/4" x 3/4" ID	pk.5	Price
G1414	1/4" x 1/4" ID	pk.10	Price				
G1418	1/4" x 1/8" ID	pk.10	Price				
G1440	1/4" x 4.0mm ID	pk.10	Price				
G1460	1/4" x 6.0mm ID	pk.10	Price				
G1400	1/4", no-hole	pk.10	Price				
Agilent Short Ferrules				Thermo / Carlo Erba Ferrules			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
G1604-HP	Short Ferrule, 1/16" x 0.4mm ID	pk.10	Price	G1805-CE	0.5mm ID for M8-Nut (CE-Taper)	pk.10	Price
G1605-HP	Short Ferrule, 1/16" x 0.5mm ID	pk.10	Price	G1808-CE	0.8mm ID for M8-Nut (CE-Taper)	pk.10	Price
G1608-HP	Short Ferrule, 1/16" x 0.8mm ID	pk.10	Price				
G1610-HP	Short Ferrule, 1/16" x 1.0mm ID	pk.10	Price				
Shimadzu Ferrules				Thermo / Carlo Erba Cup Ferrules			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GSH50 ¹⁾	5mm ID for Shimadzu	pk.10	Price	29013489	0.28mm ID Cup Ferrule M4 nut	pk.10	Price
GSH04 ²⁾	0.4mm ID for Shimadzu 17A, 2010 & 2014	pk.10	Price	29013488	0.38mm ID Cup Ferrule M4 nut	pk.10	Price
GSH05 ²⁾	0.5mm ID for Shimadzu 17A, 2010 & 2014	pk.10	Price	29013487	0.48mm ID Cup Ferrule M4 nut	pk.10	Price
GSH08 ²⁾	0.8mm ID for Shimadzu 17A, 2010 & 2014	pk.10	Price	29013486	0.80mm ID Cup Ferrule M4 nut	pk.10	Price

Ferrule Remover

Effective tool (2 piece) for removing ferrules from 0.4mm to 0.8mm ID.



Part No.	Description	Qty.	Price
FR	Ferrule Remover	ea.	Price

Liner Seals and O-Rings

- Graphite and Fluoroelastomer Liner Seals



For Agilent Instruments 				For Shimadzu Instruments 			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GS635-HP ¹⁾	Graphite Liner Seal, 6.35mm ID	pk.10	Price	GSSH01 ¹⁾	Graphite Liner Seal	pk.10	Price
GS652-HP ¹⁾	Graphite Liner Seal, 6.52mm ID	pk.10	Price	GSSH02 ²⁾	Graphite O-Ring, Split	pk.10	Price
VS-HP ²⁾	Viton O-Ring made of Fluoroelastomer	pk.12	Price	GSSH03 ²⁾	Graphite O-Ring, Splitless	pk.10	Price
For Perkin Elmer 				Thermo Scientific Instruments 			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GSPE01	Graphite O-Ring	pk.10	Price	29013417 ¹⁾	Inlet Liner Ring for PTV Injector	pk.2	Price
				29033406 ²⁾	Inlet Liner Ring for SSL Injector	pk.2	Price
For Varian 1078/1079 							
Part No.	Description	Qty.	Price				
GSBV01	Graphite Liner Ferrule	pk.10	Price				

Graphite/Vespel® Ferrules

- Upper Temperature limit is 400°C
- Made from quality DuPont polyimide/graphite blend
- Recommended for GC/MS interface applications
- One-piece design requires no back ferrule



Standard 1/16" 				Standard 1/8" 			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GV1603	1/16" x 0.3mm ID	pk.10	Price	GV1804	1/8" x 0.4mm ID	pk.10	Price
GV1624	1/16" x 0.4mm ID, 2-hole	pk.10	Price	GV1825	1/8" x 0.5mm ID, 2-hole	pk.10	Price
GV1604	1/16" x 0.4mm ID	pk.10	Price	GV1805	1/8" x 0.5mm ID	pk.10	Price
GV1625	1/16" x 0.5mm ID, 2-hole	pk.10	Price	GV1828	1/8" x 0.8mm ID, 2-hole	pk.10	Price
GV1605	1/16" x 0.5mm ID	pk.10	Price	GV1808	1/8" x 0.8mm ID	pk.10	Price
GV1608	1/16" x 0.8mm ID	pk.10	Price	GV1816	1/8" x 1/16" ID	pk.10	Price
GV1610	1/16" x 1.0mm ID	pk.10	Price	GV1818	1/8" x 1/8" ID	pk.10	Price
GV1616	1/16" x 1/16" ID	pk.10	Price	GV1800	1/8", no-hole	pk.10	Price
GV1600	1/16", no-hole	pk.10	Price				
Standard 1/4" 				Agilent Short Ferrules 			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GV1405	1/4" x 0.5mm ID	pk.10	Price	GV16035-HP	1/16" x 0.35mm ID	pk.10	Price
GV1408	1/4" x 0.8mm ID	pk.10	Price	GV1603-HP	1/16" x 0.3mm ID	pk.10	Price
GV1416	1/4" x 1/16" ID	pk.10	Price	GV16045-HP	1/16" x 0.45mm ID	pk.10	Price
GV1414	1/4" x 1/4" ID	pk.10	Price	GV1604-HP	1/16" x 0.4mm ID	pk.10	Price
GV1418	1/4" x 1/8" ID	pk.10	Price	GV1605-HP	1/16" x 0.5mm ID	pk.10	Price
GV1460	1/4" x 6.0mm ID	pk.10	Price	GV1607-HP	1/16" x 0.7mm ID	pk.10	Price
GV1400	1/4", no-hole	pk.10	Price	GV1608-HP	1/16" x 0.8mm ID	pk.10	Price
Standard 1/2" Ferrules 				Carlo Erba Ferrules 			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
GV1212	1/2" x 1/2" ID	pk.5	Price	29033461	0.4mm ID for M8-Nut (CE-Taper)	pk.10	Price
				29033460	0.5mm ID for M8-Nut (CE-Taper)	pk.10	Price
				29033471	0.8mm ID for M8-Nut (CE-Taper)	pk.10	Price

Vespel® Ferrules

- Upper temperature limit 350°C
- 100% high-temperature DuPont polyimide
- Precision-drilled ID - no imperfections from moulding
- One-piece design requires no back ferrule
- Fairly hard - tends to seal permanently to the column



Standard 1/16"				Standard 1/8"			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
V1603	1/16" x 0.3mm ID	pk.10	Price	V1804	1/8" x 0.4mm ID	pk.10	Price
V1624	1/16" x 0.4mm ID, 2-hole	pk.10	Price	V1825	1/8" x 0.5mm ID, 2-hole	pk.10	Price
V1604	1/16" x 0.4mm ID	pk.10	Price	V1805	1/8" x 0.5mm ID	pk.10	Price
V1625	1/16" x 0.5mm ID, 2-hole	pk.10	Price	V1828	1/8" x 0.8mm ID, 2-hole	pk.10	Price
V1605	1/16" x 0.5mm ID	pk.10	Price	V1808	1/8" x 0.8mm ID	pk.10	Price
V1608	1/16" x 0.8mm ID	pk.10	Price	V1816	1/8" x 1/16" ID	pk.10	Price
V1610	1/16" x 1.0mm ID	pk.10	Price	V1818	1/8" x 1/8" ID	pk.10	Price
V1612	1/16" x 1.2mm ID	pk.10	Price	V1800	1/8", no-hole	pk.10	Price
V1616	1/16" x 1/16" ID	pk.10	Price				
V1600	1/16", no-hole	pk.10	Price				
Standard 1/4"				Agilent Short Ferrules			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
V1416	1/4" x 1/16" ID	pk.10	Price	V1604-HP	1/16" x 0.4mm ID	pk.10	Price
V1414	1/4" x 1/4" ID	pk.10	Price	V1605-HP	1/16" x 0.5mm ID	pk.10	Price
V1418	1/4" x 1/8" ID	pk.10	Price	V1608-HP	1/16" x 0.8mm ID	pk.10	Price
V1400	1/4", no-hole	pk.10	Price				

PTFE Ferrules

- Upper temperature limit 250°C
- 100% PTFE - completely inert
- One-piece design - requires no back ferrule



Standard 1/16"				Standard 1/8"			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
T1603	1/16" x 0.3mm ID	pk.10	Price	T1804	1/8" x 0.4mm ID	pk.10	Price
T1604	1/16" x 0.4mm ID	pk.10	Price	T1825	1/8" x 0.5mm ID, 2-hole	pk.10	Price
T1605	1/16" x 0.5mm ID	pk.10	Price	T1805	1/8" x 0.5mm ID	pk.10	Price
T1608	1/16" x 0.8mm ID	pk.10	Price	T1808	1/8" x 0.8mm ID	pk.10	Price
T1610	1/16" x 0.5mm ID	pk.10	Price	T1816	1/8" x 1/16" ID	pk.10	Price
T1612	1/16" x 1.2mm ID	pk.10	Price	T1818	1/8" x 1/8" ID	pk.10	Price
T1616	1/16" x 1/16" ID	pk.10	Price	T1800	1/8", no-hole	pk.10	Price
T1600	1/16", no-hole	pk.10	Price				
Standard 1/4"				Standard 3/16" Ferrules			
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
T1416	1/4" x 1/16" ID	pk.10	Price	T316316	3/16" x 3/16" ID	pk.10	Price
T1414	1/4" x 1/4" ID	pk.10	Price				
T1418	1/4" x 1/8" ID	pk.10	Price				
T14316	1/4" x 3/16" ID	pk.10	Price				
T1400	1/4", no-hole	pk.10	Price				

Septa for GC Injectors

- Center point guides the needle for easy penetration
- Reduce needle bending
- Precision molding assures accurate fit
- Available in selected sizes of our premium septa
- Packaged in glass vials for high purity



Premium Septa Advanced Green 3 <i>The Advanced Green 3 Septum was specifically created to combine significantly longer injection life, low bleed and low injection port adhesion. The result is a green septum you can use for all your critical analysis. Septa are 3mm thick, except Shimadzu-style plug.</i>				Premium Septa BTO <i>Septa BTO® is <u>B</u>leed and <u>T</u>emperature <u>O</u>ptimized for today's most demanding GC and GC/MS applications. Septa BTO is formulated to extend low-bleed and outstanding mechanical properties of premium GC septa to the highest-temperature applications (400°C with most modern GCs).</i>			
							
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
SA5	5mm CenterGuide	pk.50	Price	SB5	5mm CenterGuide	pk.50	Price
SA9	9mm CenterGuide	pk.50	Price	SB64	6.4mm (1/4")	pk.50	Price
SA95	9.5mm (3/8")	pk.50	Price	SB9	9mm CenterGuide	pk.50	Price
SA11	11mm (7/16") CenterGuide	pk.50	Price	SB95	9.5mm (3/8")	pk.50	Price
SA11-100	11mm (7/16") CenterGuide	pk.100	Price	SB10	10mm	pk.50	Price
SA115	11.5mm CenterGuide	pk.50	Price	SB11	11mm (7/16") CenterGuide	pk.50	Price
SA127	12.7mm (1/2") CenterGuide	pk.50	Price	SB11-100	11mm (7/16") CenterGuide	pk.100	Price
SA17	17mm	pk.50	Price	SB115	11.5mm CenterGuide	pk.50	Price
SAS	for Shimadzu	pk.50	Price	SB127	12.7mm (1/2") CenterGuide	pk.50	Price
				SB17	17mm CenterGuide	pk.50	Price
				SBS	for Shimadzu	pk.50	Price
Premium Septa Marathon <i>The Marathon septum typically achieves 400 injections without failure, when used with a rounded-tip (Agilent-style) needle and autosampler or needle guide. The CenterGuide versions of Marathon are pre-pierced to channel the needle through the same spot with each injection, which helps eliminate the common type of coring that occurs on the first injection. The Marathon septum is also ideal for standard manual-injection GC and GC/MS. Septa are 3mm thick, except Shimadzu-style plug septa.</i>				Premium Septa Silicone Pure <i>The Silicone Pure Septum was specifically created to combine significantly longer injection life, low bleed and low injection port adhesion. Suitable for inlet temperatures of up to 340°C.</i>			
							
Part No.	Description	Qty.	Price	Part No.	Description	Qty.	Price
SM5-50	5mm CenterGuide	pk.50	Price	SS95	9.5mm	pk.25	Price
SM9-50	9mm CenterGuide	pk.50	Price	SS10	10mm	pk.25	Price
SM11-50	11mm (7/16") CenterGuide	pk.50	Price	SS11	11mm	pk.25	Price
SM11-100	11mm (7/16") CenterGuide	pk.100	Price	SS125	12.5mm	pk.25	Price
SM115-50	11.5mm CenterGuide	pk.50	Price	SS17	17mm	pk.25	Price
SM127-50	12.7mm (1/2") CenterGuide	pk.50	Price	SSS	for Shimadzu	pk.25	Price
SM17-50	17mm	pk.50	Price				
SMS-50	for Shimadzu	pk.50	Price				

Septa Pick

The Septa Pick is useful for removing small pieces of septa lodged in the threads and corners of the septum cap or injection port. It can also be used to remove small bits of graphite ferrule from the cap and fittings of column connectors.



Part No.	Description	Qty.	Price EUR
SP	Septa Pick	ea.	Price



SETonic Microsyringes

see page 79-82.

BGB Electronic Leak Detector

Don't let a small leak turn into a costly repair - protect your analytical column by using a BGB leak detector.



Features & benefits include:

- Audible tone indicates the severity of a leak
- Redesigned circuitry offers 12 hours of operation between charges
- Detects a broad range of gases; Ex rated for use with hydrogen and other explosive gases*
- Ergonomic, handheld design
- Rugged side grips for added durability
- Handy probe storage for cleanliness and convenience
- Long-lasting battery; up to 12 hours of continuous use
- Automatic shutoff
- A convenient carrying and storage case
- Easy-to-clean probe assembly
- A universal charger set (CH, CHFOpean, UK, U.S. and Australian plugs included).
- Manual in German, English and French

Part No.	Product	Price
33333	BGB Electronic Leak Detector, ea.	Price

Leak Detector Specifications:

Detectable Gases:	Helium, Nitrogen, Argon, Carbon Dioxide, Hydrogen	
Battery:	Rechargeable lithium ion internal battery pack (12 hours normal operation)	
Operating Temperature Range:	0–48 °C	
Humidity Range:	0–97%	
Warranty:	One year	
Certifications:	CE, Ex, Japan	
Compliance:	WEEE, RoHS	
Limits of Detection and Indicating LED Color:	Helium, 1.0 x 10 ⁻⁵ , red LED	Hydrogen*, 1.0 x 10 ⁻⁵ , red LED
	Nitrogen, 1.4 x 10 ⁻³ , yellow LED	Argon, 1.0 x 10 ⁻⁴ , yellow LED
	Carbon Dioxide, 1.0 x 10 ⁻⁴ , yellow LED	Gas detection limits measured in atm cc/sec.

Avoid using liquid leak detectors on a GC! Liquids can be drawn into the system and/or into the leak detector.

*Caution: The BGB electronic leak detector is designed to detect trace amounts of hydrogen in a noncombustible environment. It is NOT designed for determining leaks in a combustible environment. A combustible gas detector should be used for determining combustible gas leaks under any condition. When using it to detect hydrogen, the BGB electronic leak detector may only be used for determining trace amounts in a GC environment.

ND8 Crimp Neck Vials and Caps

Borosilicate glass - 1st hydrolytic class



					
Part No.	08040006	08040106	08040007	08040107	08040005
Description	0.7ml Crimp Neck Vial 40 x 7mm clear glass flat bottom	0.7ml Crimp Neck Vial 40 x 7mm amber glass flat bottom	0.6ml Crimp Neck Vial 40 x 7mm clear glass conical bottom	0.6ml Crimp Neck Vial 40 x 7mm amber glass conical bottom	1.2ml Crimp Neck Vial 40 x 8.2mm clear glass flat bottom
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

					
Part No.	08040105	08040009	151142	0800030	0800035
Description	1.2ml Crimp Neck Vial 40 x 8.2mm amber glass flat bottom	0.8ml Crimp Neck Vial 30 x 8.2mm clear glass flat bottom	0.4ml Crimp Neck Vial 30 x 7mm amber glass conical bottom	0.2ml Crimp Neck Vial 31.5 x 5.5mm clear glass conical bottom	0.3ml Crimp Neck Vial 31.5 x 5.5mm clear glass round bottom
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

						
Part No.	080310-N	080310	080301	080302	080313	080304
Description	8mm Aluminum Crimp Cap (silver) with Septa Natural Rubber/TEF	8mm Aluminum Crimp Cap (silver) with Septa Silicone Rubber/PTFE	8mm Aluminum Crimp Cap (silver) with Septa Silicone/PTFE	8mm Aluminum Crimp Cap (silver) with Septa PTFE/Silicone/PTFE	8mm Aluminum Crimp Cap (silver) with slitted Septa Silicone/PTFE	8mm Aluminum Crimp Cap (silver) with Septa PTFE only
Price	Price / pk.1000	Price / pk.1000	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.1000

Crimper and Decapper see page 42.

ND11 Crimp Neck Vials

Borosilicate glass - 1st hydrolytic class



					
Part No.	11K	11K-EL	11KS	11B	11B-EL
Description	1.5ml Crimp Neck Vial 32 x 11.6mm clear glass wide opening	EcoLine 1.5ml Crimp Neck Vial 32 x 11.6mm clear glass wide opening	1.5ml Crimp Neck Vial 32 x 11.6mm clear glass wide opening silanized	1.5ml Crimp Neck Vial 32 x 11.6mm amber glass wide opening	EcoLine 1.5ml Crimp Neck Vial 32 x 11.6mm amber glass wide opening
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

					
Part No.	11KW	11KW-EL	11BW	11BW-EL	11BWS
Description	1.5ml Crimp Neck Vial 32 x 11.6mm clear glass with label & filling lines wide opening	EcoLine 1.5ml Crimp Neck Vial 32 x 11.6mm clear glass with label & filling lines wide opening	1.5ml Crimp Neck Vial 32 x 11.6mm amber glass with label & filling lines wide opening	EcoLine 1.5ml Crimp Neck Vial 32 x 11.6mm amber glass with label & filling lines wide opening	1.5ml Crimp Neck Vial 32 x 11.6mm amber glass with label & filling lines wide opening, silanized
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

				
Part No.	110400	110420	110421	VR12
Description	1.5ml Crimp Neck Vial 32 x 11.6mm clear glass narrow opening (5.3mm)	0.3ml Crimp Neck Vial 32 x 11.6mm clear glass with label integrated insert base bonded	0.3ml Crimp Neck Vial 32 x 11.6mm amber glass with label integrated insert base bonded	PP Vial Rack for Standard 1.5ml Vials (200 x 105 x 17mm) 50 Positions
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.5

ND11 Crimp Neck Vials

Borosilicate glass - 1st hydrolytic class, Polypropylene (PP) or Polymethylpentene (TPX)



Part No.	110411	PPCV1107K	PPCV1103K	PPCV1103B	TPXCV1103K
Description	1.1ml Crimp Neck Vial 32 x 11.6mm clear glass	0.7ml PP Crimp/Snap Vial 32 x 11.6mm clear	0.3ml PP Crimp/Snap Vial 32 x 11.6mm clear	0.3ml PP Crimp/Snap Vial 32 x 11.6mm amber	0.3ml TPX Crimp/Snap Vial 32 x 11.6mm clear
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND11 Crimp Caps with Septa Natural Rubber/TEF

Part No.	11031201	11031201-BN	11031201-RN	11031201-GN	11031201-YN
Description	11mm Aluminum Crimp Cap (silver) with Septa Natural Rubber/TEF	11mm Aluminum Crimp Cap (blue) with Septa Natural Rubber/TEF	11mm Aluminum Crimp Cap (red) with Septa Natural Rubber/TEF	11mm Aluminum Crimp Cap (green) with Septa Natural Rubber/TEF	11mm Aluminum Crimp Cap (yellow) with Septa Natural Rubber/TEF
Price	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000

ND11 Crimp Caps with Septa Silicone Rubber/PTFE

Part No.	11031201-S	11031201-B	11031201-R	11031201-G	11031201-Y
Description	11mm Aluminum Crimp Cap (silver) with Septa Silicone Rubber/PTFE	11mm Aluminum Crimp Cap (blue) with Septa Silicone Rubber/PTFE	11mm Aluminum Crimp Cap (red) with Septa Silicone Rubber/PTFE	11mm Aluminum Crimp Cap (green) with Septa Silicone Rubber/PTFE	11mm Aluminum Crimp Cap (yellow) with Septa Silicone Rubber/PTFE
Price	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000

Vial Racks and Storage Boxes see page 43.

Crimper and Decapper see page 42.

ND11 Crimp Caps with Septa Silicone/PTFE

					
	45° shore A	45° shore A	45° shore A	45° shore A	45° shore A
Part No.	11030101	11030101-B	11030101-R	11030101-G	11030101-Y
Description	11mm Aluminum Crimp Cap (silver) with Septa Silicone/PTFE	11mm Aluminum Crimp Cap (blue) with Septa Silicone/PTFE	11mm Aluminum Crimp Cap (red) with Septa Silicone/PTFE	11mm Aluminum Crimp Cap (green) with Septa Silicone/PTFE	11mm Aluminum Crimp Cap (yellow) with Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND11 Aluminum or Magnetic Crimp Caps with different Septa

					
	45° shore A	55° shore A	53° shore D	45° shore A	45° shore A
Part No.	11030201	11031301-X	11030401	11030101-M	11030201-M
Description	11mm Aluminum Crimp Cap (silver) with Septa PTFE/Silicone/PTFE	11mm Aluminum Crimp Cap (silver) with X-slitted Septa Silicone/PTFE	11mm Aluminum Crimp Cap (silver) with Septa PTFE only	11mm Magnetic Crimp Cap (yellow) with Septa Silicone/PTFE	11mm Magnetic Crimp Cap (yellow) with Septa PTFE/Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.1000	Price / pk.100	Price / pk.100

Glass Inserts for ND11 Vials

Borosilicate Glass - 1st hydrolytic class (continued on next page)



for ND11 Wide Opening Vials						
Part No.	110503	110503-S	110502	110506	110507	110507-S
Description	250µl Conical Glass Insert 31 x 6mm Tip: 15mm	250µl Conical Glass Insert 31 x 6mm Tip: 15mm Silanized	300µl Conical Glass Insert 31 x 6mm Tip: 12mm	350µl Flat Bottom Glas Insert 31 x 6mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm Silanized
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

More Glass Inserts see page 26.

Glass Inserts for ND11 Vials

for ND11 Narrow Opening Vials						
Part No.	110500	110501	110505	110508	110504	150614
Description	150µl Conical Glass Insert 31 x 5mm Tip: 15mm	200µl Conical Glass Insert 31 x 5mm Tip: 9mm	260µl Flat Bottom Glass Insert 31 x 5mm	150µl Conical Glass Insert with Plastic Spring 29 x 5mm	110µl Conical Glass Insert 27.5 x 4mm requires Spring 150614	Spring 36 x 5mm for Insert 110504
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Electronic Crimper and Decapper

Our new electronic crimpers and decappers fit standard laboratory vials and seals with aluminum or two-part aluminum/ steel caps. The electronically adjustable cycle is accurate and reproducible and can be adjusted with the control pad on top of the unit. The tools are ergonomically designed to reduce strain and arm injury associated with many manual crimping tools.



- Powerful motor with fast cycle
- Longer lasting battery with Lithium Ion technology
- Advanced charging system including warning light when recharging is necessary
- Can be operated while charging
- Convenient controls on top of unit

Electronic Crimper



Easy to use



Part No.	Product	Price
080600-E	8mm Electronic Crimper, ea.	Price
110600-E	11mm Electronic Crimper, ea.	Price
110700-E	11mm Electronic Decapper, ea.	Price
130600-E	13mm Electronic Crimper, ea.	Price
130700-E	13mm Electronic Decapper, ea.	Price
200600-E	20mm Electronic Crimper, ea.	Price
200700-E	20mm Electronic Decapper ea.	Price

ND11 Snap Ring Vials

Borosilicate glass - 1st hydrolytic class, Polypropylene (PP) or Polymethylpentene (TPX)



				 New
Part No.	11SR	11SRS	11SRW	11SRWS
Description	1.5ml Snap Ring Vial 32 x 11.6mm clear glass wide opening	1.5ml Snap Ring Vial 32 x 11.6mm clear glass wide opening <i>silanized</i>	1.5ml Snap Ring Vial 32 x 11.6mm clear glass with label & filling lines wide opening	1.5ml Snap Ring Vial 32 x 11.6mm clear glass with label & filling lines wide opening <i>silanized</i>
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

				 New	 New
Part No.	11SRBW	11SRBWS	11KI	11BI	11K-ML
Description	1.5ml Snap Ring Vial 32 x 11.6mm amber glass with label & filling lines wide opening	1.5ml Snap Ring Vial 32 x 11.6mm amber glass with label & filling lines wide opening, <i>silanized</i>	0.3ml Crimp/Snap Vial 32 x 11.6mm clear glass with integrated insert <i>base bonded</i>	0.3ml Crimp/Snap Vial 32 x 11.6mm amber glass with integrated insert <i>base bonded</i>	0.9ml Total Microliter Crimp/Snap Ring Vial 32 x 11.6mm clear glass
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

				
Part No.	PPCV1107K	PPCV1103K	TPXCV1103K	PPCV1103B
Description	0.7ml PP Crimp/Snap Vial 32 x 11.6mm clear	0.3ml PP Crimp/Snap Vial 32 x 11.6mm clear	0.3ml TPX Crimp/Snap Vial 32 x 11.6mm clear	0.3ml PP Crimp/Snap Vial 32 x 11.6mm amber
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND11 Snap Ring Caps with Septa Natural Rubber/TEF

						
Part No.	SRC300-TN	SRC300-BN	SRC300-RN	SRC300-GN	SRC300-YN	SRC300-PN
Description	Snap Ring Cap PE transparent with Septa Nat. Rubber/TEF	Snap Ring Cap PE blue with Septa Nat. Rubber/TEF	Snap Ring Cap PE red with Septa Nat. Rubber/TEF	Snap Ring Cap PE green with Septa Nat. Rubber/TEF	Snap Ring Cap PE yellow with Septa Nat. Rubber/TEF	Snap Ring Cap PE pink with Septa Nat. Rubber/TEF
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND11 Snap Ring Caps with Septa Silicone/PTFE

						
Part No.	SRC301-T	SRC301-B	SRC301-R	SRC301-G	SRC301-Y	SRC301-P
Description	Snap Ring Cap PE transparent with Septa Silicone/PTFE	Snap Ring Cap PE blue with Septa Silicone/PTFE	Snap Ring Cap PE red with Septa Silicone/PTFE	Snap Ring Cap PE green with Septa Silicone/PTFE	Snap Ring Cap PE yellow with Septa Silicone/PTFE	Snap Ring Cap PE pink with Septa Silicone/PTFE
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

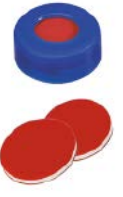
ND11 Snap Ring Caps with slitted Septa Silicone/PTFE

						
Part No.	SRC313-T	SRC313-B	SRC313-R	SRC313-G	SRC313-Y	SRC313-P
Description	Snap Ring Cap PE transparent with X-slitted Septa Silicone/PTFE	Snap Ring Cap PE blue with X-slitted Septa Silicone/PTFE	Snap Ring Cap PE red with X-slitted Septa Silicone/PTFE	Snap Ring Cap PE green with X-slitted Septa Silicone/PTFE	Snap Ring Cap PE yellow with X-slitted Septa Silicone/PTFE	Snap Ring Cap PE pink with X-slitted Septa Silicone/PTFE
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100



Vial Racks and Storage Boxes see page 43.

ND11 Snap Ring Caps with Septa PTFE/Silicone/PTFE

						
Part No.	SRC302-T	SRC302-B	SRC302-R	SRC302-G	SRC302-Y	SRC302-P
Description	Snap Ring Cap PE transparent with Septa PTFE/Silicone/PTFE	Snap Ring Cap PE blue with Septa PTFE/Silicone/PTFE	Snap Ring Cap PE red with Septa PTFE/Silicone/PTFE	Snap Ring Cap PE green with Septa PTFE/Silicone/PTFE	Snap Ring Cap PE yellow with Septa PTFE/Silicone/PTFE	Snap Ring Cap PE pink with Septa PTFE/Silicone/PTFE
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND11 Snap Ring Caps with Septa Silicone Rubber/PTFE

		
Part No.	SRC300-T	SRC300-B
Description	Snap Ring Cap PE transparent with Septa Silicone Rubber/PTFE	Snap Ring Cap PE blue with Septa Silicone Rubber/PTFE
Price EUR	Price / pk.100	Price / pk.100

Vial Racks and Storage Boxes see page 43.

Glass Inserts for ND11 Snap Ring Vials

Borosilicate Glass - 1st hydrolytic class



						
Part No.	110503	110503-S	110502	110506	110507	110507-S
Description	250µl Conical Glass Insert 31 x 6mm Tip: 15mm	250µl Conical Glass Insert 31 x 6mm Tip: 15mm Silanized	300µl Conical Glass Insert 31 x 6mm Tip: 12mm	350µl Flat Bottom Glas Insert 31 x 6mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm Silanized
Price EUR	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND8 (8-425) Screw Neck Vials, Inserts and Screw Caps

Borosilicate glass - 1st hydrolytic class



Part No.	080400	080401	080400-W	080401-W	080410
Description	1.5ml Screw Neck Vial 32 x 11.6mm clear glass 8-425, narrow opening SILANIZED 080400-S Price / pk.100	1.5ml Screw Neck Vial 32 x 11.6mm amber glass 8-425, narrow opening	1.5ml Screw Neck Vial 32 x 11.6mm clear glass with label & filling lines 8-425, narrow opening	1.5ml Screw Neck Vial 32 x 11.6mm amber glass with label & filling lines 8-425, narrow opening SILANIZED 080401-WS Price / pk.100	1.1ml Screw Neck Vial 32 x 11.6mm clear glass 8-425, narrow opening
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Part No.	110500	110501	110505	110508	110504	150614
Description	150µl Conical Glass Insert 31 x 5mm Tip: 15mm	200µl Conical Glass Insert 31 x 5mm Tip: 9mm	260µl Flat Bottom Glass Insert 31 x 5mm	150µl Conical Glass Insert with Plastic Spring 29 x 5mm	110µl Conical Glass Insert 27.5 x 4mm requires Spring 150614	Spring 36 x 5mm for Insert 110504
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Part No.	070300	070300-P	070300-SR	070300-SR-P	070301
Description	8-425 PP Screw Cap black with Septa Natural Rubber/TEF	8-425 PP Screw Cap pink with Septa Natural Rubber/TEF	8-425 PP Screw Cap black with Septa Silicone Rubber/PTFE	8-425 PP Screw Cap pink with Septa Silicone Rubber/PTFE	8-425 PP Screw Cap black with Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

8-425 Screw Caps with Septa

					
	45° shore A	45° shore A	45° shore A	45° shore A	45° shore A
Part No.	070301-P	070302	070302-P	070313	070313-P
Description	8-425 PP Screw Cap pink with Septa Silicone/PTFE	8-425 PP Screw Cap black with Septa PTFE/Silicone/PTFE	8-425 PP Screw Cap pink with Septa PTFE/Silicone/PTFE	8-425 PP Screw Cap black with slitted Septa Silicone/PTFE	8-425 PP Screw Cap pink with slitted Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

8-425 Screw Caps without Septa

					
Part No.	080800	080800-P	080800-W	080801	080801-W
Description	8-425 PP Screw Cap black with 5.5mm hole	8-425 PP Screw Cap pink with 5.5mm hole	8-425 PP Screw Cap white with 5.5mm hole	8-425 PP Screw Cap black without hole	8-425 PP Screw Cap black without hole
Price	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000

8mm Septa for 8-425 Screw Caps

							
	60° shore A	45° shore A	55° shore A	55° shore A	45° shore A	55° shore A	53° shore D
Part No.	080200	080200-SR	080201	080201-R	080202	080213	080204
Description	8mm Septa Natural Rubber/ TEF 1.3mm thick	8mm Septa Silicone Rubber/ PTFE 1.0mm thick	8mm Septa Silicone/PTFE (white/blue) 1.1mm thick	8mm Septa Silicone/PTFE (white/red) 1.5mm thick	8mm Septa PTFE/Silicone/ PTFE 1.0mm thick	8mm Septa Silicone/PTFE slitted 0.9mm thick	8mm Septa PTFE only 0.25mm thick
Price	Price / pk.1000	Price / pk.1000	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.1000

ND9 (9-425) Short Neck Screw Vials

Borosilicate glass - 1st hydrolytic class



Part No.	080400-XL	080400-XL-EL	080400-XLS	080401-XL	080401-XL-EL
Description	1.5ml Short Thread Vial 32 x 11.6mm clear glass wide opening	EcoLine 1.5ml Short Thread Vial 32 x 11.6mm clear glass wide opening	1.5ml Short Thread Vial 32 x 11.6mm clear glass wide opening Silanized	1.5ml Short Thread Vial 32 x 11.6mm amber glass wide opening	EcoLine 1.5ml Short Thread Vial 32 x 11.6mm amber glass wide opening
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Part No.	080400-XLW	080400-XLW-EL	080401-XLW	080401-XLW-EL	080401-XLWS
Description	1.5ml Short Thread Vial 32 x 11.6mm clear glass with label and filling lines wide opening	EcoLine 1.5ml Short Thread Vial 32 x 11.6mm clear glass with label and filling lines wide opening	1.5ml Short Thread Vial 32 x 11.6mm amber glass with label and filling lines wide opening	EcoLine 1.5ml Short Thread Vial 32 x 11.6mm amber glass with label and filling lines wide opening	1.5ml Short Thread Vial 32 x 11.6mm amber glass with label and filling lines wide opening Silanized
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Part No.	080420	080421	PPSV0907K	PPSV0903K	TPXSV0903K
Description	0.3ml Short Thread Vial 32 x 11.6mm clear glass with label integrated insert base bonded	0.3ml Short Thread Vial 32 x 11.6mm amber glass with label integrated insert base bonded	0.7ml PP Short Thread Vial 32 x 11.6mm clear	0.3ml PP Short Thread Vial 32 x 11.6mm clear	0.3ml TPX Short Thread Vial 32 x 11.6mm clear
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Glass Inserts for ND9 (9-425) Short Neck Screw Vials

Borosilicate Glass - 1st hydrolytic class

						
Part No.	110503	110503-S	110502	110506	110507	110507-S
Description	250µl Conical Glass Insert 31 x 6mm Tip: 15mm	250µl Conical Glass Insert 31 x 6mm Tip: 15mm Silanized	300µl Conical Glass Insert 31 x 6mm Tip: 12mm	350µl Flat Bottom Glas Insert 31 x 6mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm	250µl Conical Glass Insert with Plastic Spring 29 x 5.7mm Silanized
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND-9 Short Thread Screw Caps with Septa Natural Rubber/TEF

							
Part No.	090300-N	090300-BN	090300-RN	090300-GN	090300-YN	090300-PN	090300-TN
Description	Short Thread Screw Caps black with Septa Natural Rubber/TEF	Short Thread Screw Caps blue with Septa Natural Rubber/TEF	Short Thread Screw Caps red with Septa Natural Rubber/TEF	Short Thread Screw Caps green with Septa Natural Rubber/TEF	Short Thread Screw Caps yellow with Septa Natural Rubber/TEF	Short Thread Screw Caps pink with Septa Natural Rubber/TEF	Short Thread Screw Caps transparent with Septa Natural Rubber/TEF
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND-9 Short Thread Screw Caps with Septa Silicone Rubber/PTFE

							
Part No.	090300	090300-B	090300-R	090300-G	090300-Y	090300-P	090300-T
Description	Short Thread Screw Caps black with Septa Silicone Rubber/PTFE	Short Thread Screw Caps blue with Septa Silicone Rubber/PTFE	Short Thread Screw Caps red with Septa Silicone Rubber/PTFE	Short Thread Screw Caps green with Septa Silicone Rubber/PTFE	Short Thread Screw Caps yellow with Septa Silicone Rubber/PTFE	Short Thread Screw Caps pink with Septa Silicone Rubber/PTFE	Short Thread Screw Caps transparent with Septa Silicone Rubber/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND-9 Short Thread Screw Caps with Septa Silicone/PTFE

							
	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A
Part No.	090301	090301-B	090301-R	090301-G	090301-Y	090301-P	090301-T
Description	Short Thread Screw Caps black with Septa Silicone/PTFE	Short Thread Screw Caps blue with Septa Silicone/PTFE	Short Thread Screw Caps red with Septa Silicone/PTFE	Short Thread Screw Caps green with Septa Silicone/PTFE	Short Thread Screw Caps yellow with Septa Silicone/PTFE	Short Thread Screw Caps pink with Septa Silicone/PTFE	Short Thread Screw Caps transparent with Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND-9 Short Thread Screw Caps with slitted Septa Silicone/PTFE

							
	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A	55° shore A
Part No.	090313	090313-B	090313-R	090313-G	090313-Y	090313-P	090313-T
Description	Short Thread Screw Caps black with slitted Septa Silicone/PTFE	Short Thread Screw Caps blue with slitted Septa Silicone/PTFE	Short Thread Screw Caps red with slitted Septa Silicone/PTFE	Short Thread Screw Caps green with slitted Septa Silicone/PTFE	Short Thread Screw Caps yellow with slitted Septa Silicone/PTFE	Short Thread Screw Caps pink with slitted Septa Silicone/PTFE	Short Thread Screw Caps transparent with slitted Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND-9 Short Thread Screw Caps with Septa PTFE/Silicone/PTFE

							
	45° shore A	45° shore A	45° shore A	45° shore A	45° shore A	45° shore A	45° shore A
Part No.	090302	090302-B	090302-R	090302-G	090302-Y	090302-P	090302-T
Description	Short Thread Screw Caps black with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps blue with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps red with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps green with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps yellow with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps pink with Septa PTFE/Silicone/PTFE	Short Thread Screw Caps transparent with Septa PTFE/Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Vial Racks and Storage Boxes see page 43.

ND-9 Short Thread Screw Caps with Septa PTFE only

							
							
	53° shore D	53° shore D	53° shore D	53° shore D	53° shore D	53° shore D	53° shore D
Part No.	090304	090304-B	090304-R	090304-G	090304-Y	090304-P	090304-T
Description	Short Thread Screw Caps black with Septa PTFE only	Short Thread Screw Caps blue with Septa PTFE only	Short Thread Screw Caps red with Septa PTFE only	Short Thread Screw Caps green with Septa PTFE only	Short Thread Screw Caps yellow with Septa PTFE only	Short Thread Screw Caps pink with Septa PTFE only	Short Thread Screw Caps transparent with Septa PTFE only
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND13 (13-425) Screw Vials

Borosilicate Glass - 1st hydrolytic class



					
Part No.	130400	130401	130400-W	130401-W	VR15
Description	4ml ND13 Screw Vial 45 x 14.7mm clear glass	4ml ND13 Screw Vial 45 x 14.7mm amber glass	4ml ND13 Screw Vial 45 x 14.7mm clear glass with label and filling lines	4ml ND13 Screw Vial 45 x 14.7mm amber glass with label and filling lines	PP Vial Rack for Standard 4ml Vials (230 x 117 x 28mm) 50 Positions
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.5

		
Part No.	150714	150715
Description	0.3ml Glass Insert 40 x 6mm Tip 15mm requires Spring 150715	Metal Spring for Insert 150714 50 x 7.5mm
Price CHF	Price / pk.100	Price / pk.100

Caps and Septa see page 36.

13-425 Screw Caps with Septa

				
	60° shore A	55° shore A	45° shore A	55° shore A
Part No.	120300	120301	120302	120313
Description	PP Screw Cap black with Septa Natural Rubber/TEF	PP Screw Cap black with Septa Silicone/PTFE	PP Screw Cap black with Septa PTFE/Silicone/PTFE	PP Screw Cap black with cross-slitted Septa Silicone/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

13-425 Screw Caps without Septa

				
Part No.	130800	130801	130800-W	130801-W
Description	PP Screw Cap black with 8.5mm hole	PP Screw Cap black without hole	PP Screw Cap white with 8.5mm hole	PP Screw Cap white without hole
Price	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000

12mm Septa for 13-425 Screw Caps

					
	60° shore A	55° shore A	45° shore A	55° shore A	53° shore D
Part No.	120200	120201	120202	120213	120204
Description	12mm Septa Natural Rubber/TEF 1.3mm thick	12mm Septa Silicone/PTFE 1.5mm thick	12mm Septa PTFE/Silicone/PTFE 1.0mm thick	12mm cross-slitted Septa Silicone/PTFE 1.5mm thick	12mm Septa PTFE only 0.25mm thick
Price	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000	Price / pk.1000



Vial Racks and Storage Boxes
see page 43.



Crimper and Decapper
see page 42.

ND18 and ND20 Headspace Screw and Crimp Vials

Borosilicate glass - 1st hydrolytic class



for CTC-Autosamplers				
Part No.	180420	180420-B	180410	180410-B
Description	20ml ND18 Headspace Screw Vial 75.5 x 22.5mm clear glass rounded bottom	20ml ND18 Headspace Screw Vial 75.5 x 22.5mm amber glass rounded bottom	10ml ND18 Headspace Screw Vial 46 x 22.5mm clear glass rounded bottom	10ml ND18 Headspace Screw Vial 46 x 22.5mm amber glass rounded bottom
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

for CTC-Autosamplers					
Part No.	200420-CTC	200420-CTC-B	200410-CTC	200410-CTC-B	200420-CTC-SPME
Description	20ml ND20 Headspace Crimp Vial 75.5 x 22.5mm clear glass rounded bottom	20ml ND20 Headspace Crimp Vial 75.5 x 22.5mm amber glass rounded bottom	10ml ND20 Headspace Crimp Vial 46 x 22.5mm clear glass rounded bottom	10ml ND20 Headspace Crimp Vial 46 x 22.5mm amber glass rounded bottom	20ml ND20 SPME Headspace Crimp Vial 75.5 x 22.5mm clear glass with special crimp neck rounded bottom
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

					
Part No.	200420-FF	200410-FF	200420 200421	200420-B	200406
Description	20ml ND20 Headspace Crimp Vial 75.5 x 22.5mm clear glass with long DIN crimp neck flat bottom	10ml ND20 Headspace Crimp Vial 46 x 22.5mm clear glass with long DIN crimp neck flat bottom	20ml ND20 Headspace Crimp Vial 75.5 x 23mm clear glass rounded bottom with label & filling lines Price / pk.100	20ml ND20 Headspace Crimp Vial 75.5 x 23mm amber glass rounded bottom	5ml ND20 Headspace Crimp Vial 38.2 x 22mm clear glass rounded bottom
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

ND18 Screw Caps and ND20 Crimp Caps with hole



					
Part No.	180300	180301	180305	180306	180307
Description	ND18 Magnetic Screw Cap 8mm hole with Butyl/PTFE Septa 1.6mm, 55° shore A	ND18 Magnetic Screw Cap 8mm hole with Silicone/PTFE Septa (blue/white) 1.3mm, 45° shore A	ND18 Magnetic Screw Cap 8mm hole with Silicone/PTFE Septa (white/blue) 1.5mm, 55° shore A	ND18 Magnetic Screw Cap 8mm hole with Silicone/PTFE Septa (white/red) 1.3mm, 45° shore A	ND18 Magnetic Screw Cap 8mm hole Silicone/Aluminum Septa (white/alu) 1.3mm, 50° shore A
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

					
Part No.	20030000	20030100	20030300	20030500	20030700
Description	ND20 Aluminum Crimp Cap 10mm hole with Butyl Septa	ND20 Aluminum Crimp Cap 10mm hole with Butyl/PTFE Septa	ND20 Aluminum Crimp Cap 10mm hole with „Parma-Fix“ Septa	ND20 Aluminum Crimp Cap 10mm hole with Silicone/PTFE Septa	ND20 Aluminum Crimp Cap 10mm hole with Silicone/Aluminum Septa
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

					
Part No.	20030004	20030104	20030304	20030504	20030704
Description	ND20 Magnetic Crimp Cap 5mm hole with Butyl Septa	ND20 Magnetic Crimp Cap 5mm hole with Butyl/PTFE Septa	ND20 Magnetic Crimp Cap 5mm hole with „Parma-Fix“ Septa	ND20 Magnetic Crimp Cap 5mm hole with Silicone/PTFE Septa	ND20 Magnetic Crimp Cap 5mm hole with Silicone/Aluminum Septa
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

						
Part No.	20030004-SPME	20030104-SPME	20030304-SPME	20030504-SPME	20030104-BIR	20030504-BIR
Description	ND20 Magnetic Crimp Cap 8mm hole with Butyl Septa	ND20 Magnetic Crimp Cap 8mm hole with Butyl/PTFE Septa	ND20 Magnetic Crimp Cap 8mm hole with „Pharma Fix“ Septa	ND20 Magnetic Crimp Cap 8mm hole Silicone/PTFE Septa	ND20 Magnetic Bimetal Crimp Cap 8mm hole Butyl/PTFE Septa	ND20 Magnetic Bimetal Crimp Cap 8mm hole Silicone/PTFE Septa
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Shell Vials

Borosilicate Glass - 1st hydrolytic class



						
Part No.	SV1ML	SV1MLB	SV2ML	SV2MLB	SV4ML	SV4MLB
Description	1ml Shell Vial 40 x 8.2mm clear glass incl. PE Plug	1ml Shell Vial 40 x 8.2mm amber glass incl. PE Plug	2ml Shell Vial 31.5 x 11.6mm clear glass incl. PE Plug	2ml Shell Vial 31.5 x 11.6mm amber glass incl. PE Plug	4ml Shell Vial 44.6 x 14.65mm clear glass incl. PE Plug	4ml Shell Vial 44.6 x 14.65mm amber glass incl. PE Plug
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Sample Storage Vials and EPA Vials

Borosilicate Glass - 1st hydrolytic class

						
Part No.	SF2	SF2-B	SF4	SF4-B	SF8	SF8-B
Description	1.5ml Screw Vial with 8-425 Screw Neck 32 x 11.6mm clear glass	1.5ml Screw Vial with 8-425 Screw Neck 32 x 11.6mm amber glass	4ml Screw Vial with 13-425 Screw Neck 45 x 14.7mm clear glass	4ml Screw Vial with 13-425 Screw Neck 45 x 14.7mm amber glass	8ml Screw Vial with 15-425 Screw Neck 61 x 16.6mm clear glass	8ml Screw Vial with 15-425 Screw Neck 61 x 16.6mm amber glass
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

						
Part No.	SF12	SF12-B	SF16	SF20	EPA20	EPA20-B
Description	12ml Screw Vial with 15-425 Screw Neck 66 x 18.5mm clear glass	12ml Screw Vial with 15-425 Screw Neck 66 x 18.5mm amber glass	16ml Screw Vial with 18-400 Screw Neck 71 x 20.6mm clear glass	20ml Screw Vial with 20-400 Screw Neck 86 x 22.7mm clear glass	20ml EPA Screw Vial with 24-400 Screw Neck 57 x 27.5mm clear glass	20ml EPA Screw Vial with 24-400 Screw Neck 57 x 27.5mm amber glass
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Sample Storage Vials

Borosilicate Glass - 1st hydrolytic class



						
Part No.	EPA30	EPA30-B	EPA40	EPA40-B	EPA60	EPA60-B
Description	30ml EPA Screw Vial with 24-400 Screw Neck 72.5 x 27.5mm clear glass	30ml EPA Screw Vial with 24-400 Screw Neck 72.5 x 27.5mm amber glass	40ml EPA Screw Vial with 24-400 Screw Neck 95 x 27.5mm clear glass	40ml EPA Screw Vial with 24-400 Screw Neck 95 x 27.5mm amber glass	60ml EPA Screw Vial with 24-400 Screw Neck 140 x 27.5mm clear glass	60ml EPA Screw Vial with 24-400 Screw Neck 140 x 27.5mm amber glass
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

PP Screw Caps with Septa

						
Part No.	SV-8-425	SV-13-425	SV-15-425	SV-18-400	SV-20-400	SV-24-400
Description	PP Screw Cap without hole black, for 8-425 Screw Neck with Septa Silicone Rubber/PTFE	PP Screw Cap without hole black, for 13-425 Screw Neck with Septa Silicone Rubber/PTFE	PP Screw Cap without hole black, for 15-425 Screw Neck with Septa Silicone Rubber/PTFE	PP Screw Cap without hole black, for 18-400 Screw Neck with Septa Silicone Rubber/PTFE	PP Screw Cap without hole white, for 20-400 Screw Neck with Septa Silicone Rubber/PTFE	PP Screw Cap without hole white, for 24-400 Screw Neck with Septa Silicone Rubber/PTFE
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

			
Part No.	SV-EPA	SV-EPA-CAP	SV-EPA-SEPTA
Description	PP Screw Cap with 12.5mm hole white 24-400 Screw Neck with Septa Silicone/PTFE	PP Screw Cap with 12.5mm hole white for EPA Vials 24-400 Screw Neck without Septa	22mm EPA Septa Silicone/PTFE 3.2mm thick
Price	Price / pk.100	Price / pk.100	Price / pk.100



Vial Racks and Storage Boxes

see page 43.

The High Power Electronic Crimper is **faster and powerful**. It is powered by a universal power supply and works with individual jaws sets.



High Power Electronic Crimping Tool with Jaw Set, Base and Mounting Kit

- Higher-Power version of electronic crimping tool with fixed power supply and cord (no battery).
- Uses interchangeable jaw sets.
- Stores separate programs for different caps and seals.
- Strong enough for all steel and magnetic caps.
- Optional base and mounting kit.



Power Cord and Supply



20mm Crimper and Decapper Jaw Set



High Power Electronic Crimping Tool



Base with Mounting Kit

Part No.	Description	Price / Qty.
5AHPS0	High Power Electronic Crimping Tool (w/o Jaw Set) *	Price / ea.
5ABAS0	Base with Mounting Kit	Price / ea.
308955	08mm Crimper Jaw Set	Price / ea.
311955	11mm Crimper Jaw Set	Price / ea.
311965	11mm Decapper Jaw Set	Price / ea.
313955	13mm Crimper Jaw Set	Price / ea.
313965	13mm Decapper Jaw Set	Price / ea.
320955	20mm Crimper Jaw Set	Price / ea.
320965	20mm Decapper Jaw Set	Price / ea.

* also available with RS485 Interface for remote control



Jaw Sets are easy to change. Simply insert the jaw set into the bushing at the bottom of the tool. Push up and twist until the set locks into position.

To remove, push the outside button and rotate.

High Power Electronic Crimping Tool **

		
Part No.	5AHP50	5ABAS0
Description	High Power Electronic Crimping Tool without Jaw Set	HPS Base with Mounting Kit
Price EUR	Price / ea.	Price / ea.

							
Part No.	308955	311955	311965	313955	313965	320955	320965
Description	8mm Crimper Jaw Set	11mm Crimper Jaw Set	11mm Decapper Jaw Set	13mm Crimper Jaw Set	13mm Decapper Jaw Set	20mm Crimper Jaw Set	20mm Decapper Jaw Set
Price EUR	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Crimper and Decapper

						
Part No. for 8mm	308990	---	080600-E	---	080600	080700
Part No. for 11mm	311990	311991	110600-E	110700-E	110600	110700
Part No. for 13mm	313990	313991	130600-E	130700-E	130600	130700
Part No. for 20mm	320990	320991	200600-E	200700-E	200600	200700
Description	Easy Grip Manual Crimper Adjustable	Easy Grip Manual Decapper Adjustable	Electronic Crimper with Lithium Ion Technology	Electronic Decapper with Lithium Ion Technology	Manual Crimper for Aluminum Caps Adjustable	Manual Decapper for Aluminum Caps Adjustable
Qty.	ea.	ea.	ea.	ea.	ea.	ea.

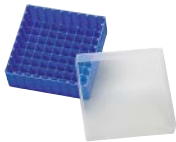
** more info on page 41

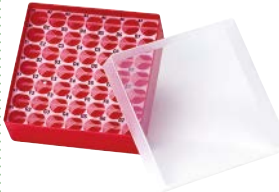
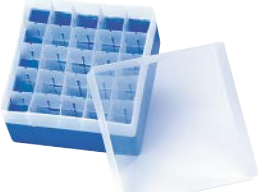
* more info on page 26

Vial Racks

		
Part No.	VR12	VR15
Description	PP Vial Rack for Standard 1.5ml Vials (200 x 105 x 17mm) 50 Positions	PP Vial Rack for Standard 4ml Vials (230 x 117 x 28mm) 50 Positions
Price	Price / pk.5	Price / pk.5

Storage Boxes

						
Part No.	PPSB12-B	PPSB12-O	PPSB12-P	PPSB12-Y	PPSB12-G	PPSB12-T
Description	PP Storage Box for 12mm OD Vials blue 130 x 130 x 45mm 81 Position	PP Storage Box for 12mm OD Vials orange 130 x 130 x 45mm 81 Position	PP Storage Box for 12mm OD Vials pink 130 x 130 x 45mm 81 Position	PP Storage Box for 12mm OD Vials yellow 130 x 130 x 45mm 81 Position	PP Storage Box for 12mm OD Vials green 130 x 130 x 45mm 81 Position	PP Storage Box for 12mm OD Vials transparent 130 x 130 x 45mm 81 Position
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	PPSB15-R	PPSB24-B	PPSB28A-V	PPSB28B-V
Description	PP Storage Box for 15mm OD Vials red 130 x 130 x 52mm 49 Positions	PP Storage Box for 24mm OD Vials blue 130 x 130 x 102mm 25 Positions	PP Storage Box for 28mm OD EPA Vials violett 130 x 130 x 78mm 16 Positions	PP Storage Box for 28mm OD EPA Vials violett 130 x 130 x 95mm 10 Positions
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Filter Vial



Max Fill Vol. 450µL
Dead Vol. 120µL

Standard Filter Vials (120µL Dead Volume)

Thomson Standard Filter (patented) can be used for samples containing less than 10% solid particulates. The filter vial consists of two parts: a filter vial shell and a plunger which includes a single layer filter on one end and a vial cap on the other end.

Applications for Thomson Standard Filter Vials include filtration of catalysts from organic and medicinal chemistry synthesis reactions, saccharide analysis in corn syrup, and in-vial protein precipitation.

				
Part No.	TH-35538	TH-35539	TH-35530	TH-35540
Description	SINGLE StEP Filter Vial with Pre-Slit Cap Nylon 0.2µm	SINGLE StEP Filter Vial with Pre-Slit Cap Nylon 0.45µm	SINGLE StEP Filter Vial with Pre-Slit Cap PTFE 0.2µm	SINGLE StEP Filter Vial with Pre-Slit Cap PTFE 0.45µm
Part No.	TH-65538	TH-65539	TH-65530	TH-65540
Description	SINGLE StEP Filter Vial with Non-Slit Cap Nylon 0.2µm	SINGLE StEP Filter Vial with Non-Slit Cap Nylon 0.45µm	SINGLE StEP Filter Vial with Non-Slit Cap PTFE 0.2µm	SINGLE StEP Filter Vial with Non-Slit Cap PTFE 0.45µm
Qty. *	pk.100	pk.100	pk.100	pk.100

				
Part No.	TH-35531	TH-35541	TH-35535	TH-35545
Description	SINGLE StEP Filter Vial with Pre-Slit Cap PVDF 0.2µm	SINGLE StEP Filter Vial with Pre-Slit Cap PVDF 0.45µm	SINGLE StEP Filter Vial with Pre-Slit Cap PES 0.2µm	SINGLE StEP Filter Vial with Pre-Slit Cap PES 0.45µm
Part No.	TH-65531	TH-65541		
Description	SINGLE StEP Filter Vial with Non-Slit Cap PVDF 0.2µm	SINGLE StEP Filter Vial with Non-Slit Cap PVDF 0.45µm		
Qty. *	pk.100	pk.100	pk.100	pk.100

* Quantity Breaks available

SINGLE StEP nano Filter Vial

Pre-Slit



Low Evaporation/Non-Slit



nano|Filter Vial™



Max Fill Vol. 250µL
Min Fill Vol. 10µL (for 2µL injection)

nano|Filter Vials™ (10µL Minimum Volume)

Thomson nano|Filter Vials™ offer a very low dead volume allowing one to filter as little as 10µL of sample with enough remaining filtrate to make a 2µL injection. The filter vial consists of two parts: a filter vial shell with mating bottom surface and a plunger which includes a filter on one end and a screw cap vial on the other end.

Applications include the analysis of enzymes, peptides, DNA, RNA, synthesis reaction intermediates, finished products, saliva, samples available in low volumes, in-vial evaporation and re-suspension for sample concentration and buffer/solvent change.

Part No.	TH-25538	TH-25530	TH-25540
Description	SINGLE StEP nano Filter Vial with Pre-Slit Cap Nylon 0.2µm	SINGLE StEP nano Filter Vial with Pre-Slit Cap PTFE 0.2µm	SINGLE StEP nano Filter Vial with Pre-Slit Cap PTFE 0.45µm
Part No.	TH-15538	TH-15530	TH-15540
Description	SINGLE StEP nano Filter Vial with Non-Slit Cap Nylon 0.2µm	SINGLE StEP nano Filter Vial with Non-Slit Cap PTFE 0.2µm	SINGLE StEP nano Filter Vial with Non-Slit Cap PTFE 0.45µm
Qty. *	pk.100	pk.100	pk.100

Part No.	TH-25531	TH-25541	TH-25535
Description	SINGLE StEP nano Filter Vial with Pre-Slit Cap PVDF 0.2µm	SINGLE StEP nano Filter Vial with Pre-Slit Cap PVDF 0.45µm	SINGLE StEP nano Filter Vial with Pre-Slit Cap PES 0.2µm
Part No.	TH-15531	TH-15541	TH-15535
Description	SINGLE StEP nano Filter Vial with Non-Slit Cap PVDF 0.2µm	SINGLE StEP nano Filter Vial with Non-Slit Cap PVDF 0.45µm	SINGLE StEP nano Filter Vial with Non-Slit Cap PES 0.2µm
Qty. *	pk.100	pk.100	pk.100

* Quantity Breaks available

SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap


EXTREME/FV


Max Fill Vol. 450µL
Dead Vol. 120µL

eXtreme|FV® (Multi-Layered Filtration)

Thomson eXtreme|FV® (patented) offer multi-layer filtration for viscous samples and samples containing up to 30% solid particulates. The filter vial consists of two parts: a filter vial shell and a plunger which includes a multi-layer filter on one end and a vial cap on the other end.

eXtreme|FV® allow for compounds to be separated from the matrix which, results in both a higher signal to noise ratio and peaks that are more differentiated.

Prior to the introduction of the eXtreme|FV®, many samples containing high levels of particulates were “filtered” by using an SPE step in the method. These methods are readily amendable to the replacement of the SPE step using a rapid and lower cost eXtreme|FV® step.

Applications for Thomson eXtreme|FV® include filtration of cell and cell debris from cell culture; pesticide analysis in food, tissue, soil, and water; and toxicology analysis in blood and urine.

				
Part No.	TH-85538	TH-85539	TH-85530	TH-85540
Description	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap Nylon 0.2µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap Nylon 0.45µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PTFE 0.2µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PTFE 0.45µm
Qty. *	pk.100	pk.100	pk.100	pk.100

				
Part No.	TH-85531	TH-85541	TH-85535	TH-85545
Description	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PVDF 0.2µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PVDF 0.45µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PES 0.2µm	SINGLE StEP eXtreme Filter Vial with Pre-Slit Cap PES 0.45µm
Qty. *	pk.100	pk.100	pk.100	pk.100

* Quantity Breaks available

High Quality Syringe Filters

Polypropylene Housing

			
Diameter	25mm	13mm	4mm
Filtration Area (cm²)	4.08	1.09	0.125
Holdup Volume (µl)	<100	<20	<5
Sample Volume (ml)	<100	<10	<1
Inlet Connection	Female Luer-Lock	Female Luer-Lock	Female Luer-Lock
Outlet Connection	Male Luer Slip	Male Luer Slip	Male Luer Slip
Max Operating Pressure (bar)	6	6	6

Membrane	Diameter	Pore Size	Qty.	Part No.	Price
Nylon (Polyamide)	25mm	0.22µm	100	SF2503-1	Price
	25mm	0.45µm	100	SF2503-2	Price
	25mm	1.00µm	100	SF2503-3	Price
	25mm	5.00µm	100	SF2503-4	Price
	13mm	0.22µm	100	SF1303-1	Price
	13mm	0.45µm	100	SF1303-2	Price
	13mm	1.00µm	100	SF1303-3	Price
	13mm	5.00µm	100	SF1303-4	Price
	4mm	0.22µm	200	SF0403-1	Price
	4mm	0.45µm	200	SF0403-2	Price
Nylon (Polyamide) with Glass Fiber	25mm	0.22µm	100	SF2503-1G	Price
	25mm	0.45µm	100	SF2503-2G	Price
	13mm	0.22µm	100	SF1303-1G	Price
	13mm	0.45µm	100	SF1303-2G	Price
PTFE - Hydrophobic (Polytetrafluoroethylene)	25mm	0.22µm	100	SF2504-1	Price
	25mm	0.45µm	100	SF2504-2	Price
	25mm	1.00µm	100	SF2504-3	Price
	25mm	5.00µm	100	SF2504-4	Price
	13mm	0.22µm	100	SF1304-1	Price
	13mm	0.45µm	100	SF1304-2	Price
	13mm	1.00µm	100	SF1304-3	Price
	13mm	5.00µm	100	SF1304-4	Price
	4mm	0.22µm	200	SF0404-1	Price
	4mm	0.45µm	200	SF0404-2	Price



HPLC Certified Plastic Disposable Syringes

see page 51.

Membrane	Diameter	Pore Size	Qty.	Part No.	Price
PTFE - Hydrophobic (Polytetrafluoroethylene) with Glass Fiber	25mm	0.22µm	100	SF2504-1G	Price
	25mm	0.45µm	100	SF2504-2G	Price
	13mm	0.22µm	100	SF1304-1G	Price
	13mm	0.45µm	100	SF1304-2G	Price
PTFE - Hydrophilic (Polytetrafluoroethylene)	25mm	0.22µm	100	SF2509-1	Price
	25mm	0.45µm	100	SF2509-2	Price
	13mm	0.22µm	100	SF1309-1	Price
	13mm	0.45µm	100	SF1309-2	Price
	4mm	0.22µm	200	SF0409-1	Price
	4mm	0.45µm	200	SF0409-2	Price
Polypropylen (PP)	25mm	0.22µm	100	SF2506-1	Price
	25mm	0.45µm	100	SF2506-2	Price
	13mm	0.22µm	100	SF1306-1	Price
	13mm	0.45µm	100	SF1306-2	Price
Polypropylen (PP) with Glass Fiber	25mm	0.22µm	100	SF2506-1G	Price
	25mm	0.45µm	100	SF2506-2G	Price
	13mm	0.22µm	100	SF1306-1G	Price
	13mm	0.45µm	100	SF1306-2G	Price
PVDF (Polyvinylidene difluoride)	25mm	0.22µm	100	SF2505-1	Price
	25mm	0.45µm	100	SF2505-2	Price
	13mm	0.22µm	100	SF1305-1	Price
	13mm	0.45µm	100	SF1305-2	Price
	4mm	0.22µm	200	SF0405-1	Price
	4mm	0.45µm	200	SF0405-2	Price
PVDF (Polyvinylidene difluoride) with Glass Fiber	25mm	0.22µm	100	SF2505-1G	Price
	25mm	0.45µm	100	SF2505-2G	Price
	13mm	0.22µm	100	SF1305-1G	Price
	13mm	0.45µm	100	SF1305-2G	Price
PES (Polyethersulfone)	25mm	0.22µm	100	SF2507-1	Price
	25mm	0.45µm	100	SF2507-2	Price
	13mm	0.22µm	100	SF1307-1	Price
	13mm	0.45µm	100	SF1307-2	Price
	4mm	0.22µm	200	SF0407-1	Price
	4mm	0.45µm	200	SF0407-2	Price
PES (Polyethersulfone) with Glass Fiber	25mm	0.22µm	100	SF2507-1G	Price
	25mm	0.45µm	100	SF2507-2G	Price
	13mm	0.22µm	100	SF1307-1G	Price
	13mm	0.45µm	100	SF1307-2G	Price

Membrane	Diameter	Pore Size	Qty.	Part No.	Price
Mixed Cellulose Esters (CME)	25mm	0.22µm	100	SF2501-1ME	Price
	25mm	0.45µm	100	SF2501-2ME	Price
	13mm	0.22µm	100	SF1301-1ME	Price
	13mm	0.45µm	100	SF1301-2ME	Price
Mixed Cellulose Esters (CME) with Glass Fiber	25mm	0.22µm	100	SF2501-1MEG	Price
	25mm	0.45µm	100	SF2501-2MEG	Price
	13mm	0.22µm	100	SF1301-1MEG	Price
	13mm	0.45µm	100	SF1301-2MEG	Price
Cellulose Acetate (CA)	25mm	0.22µm	100	SF2502-1	Price
	25mm	0.45µm	100	SF2502-2	Price
	13mm	0.22µm	100	SF1302-1	Price
	13mm	0.45µm	100	SF1302-2	Price
	4mm	0.22µm	200	SF0402-1	Price
	4mm	0.45µm	200	SF0402-2	Price
Glass Fiber (GF)	25mm	0.70µm	100	SF2500-07	Price
	25mm	1.00µm	100	SF2500-10	Price
	13mm	0.70µm	100	SF1300-07	Price
	13mm	1.00µm	100	SF1300-10	Price

25mm HPLC Syringe Filters

- Sample Retention <0.1ml
- Pressure Rating: 500kPa (=5bar / =72psi)
- Filter Area: 3.7cm²
- With Luer Lock-Inlet (female) and Luer Slip (male)



Part No.	LP-25160346	LP-25160347	LP-25160348	LP-25160349	LP-25160350	LP-25160351
Description	25mm HPLC Syringe Filter green PTFE 0.20µm Hydrophobic	25mm HPLC Syringe Filter natural PTFE 0.45µm Hydrophobic	25mm HPLC Syringe Filter blue, Regenerated Cellulose (RC) 0.20µm Hydrophilic	25mm HPLC Syringe Filter yellow, Regenerated Cellulose (RC) 0.45µm Hydrophilic	25mm HPLC Syringe Filter bright blue Nylon (PA) 0.20µm Hydrophilic	25mm HPLC Syringe Filter bright green Nylon (PA) 0.45µm Hydrophilic
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100



HPLC Certified Plastic Disposable Syringes
see page 51.

17mm HPLC Syringe Filters

- Sample Retention <0.29ml
- Pressure Rating: 790kPa (=7.9bar / =115psi)
- Filter Area: 1.33cm²
- With Luer Lock-Inlet (female) and Luer Slip (male)

				
Part No.	LP-17162076	LP-17162077	LP-17162078	LP-17162079
Description	17mm HPLC Syringe Filter Injection-moulded ring blue PTFE 0.2µm Hydrophobic	17mm HPLC Syringe Filter Injection-moulded ring yellow PTFE 0.45µm Hydrophobic	17mm HPLC Syringe Filter Injection-moulded ring grey Regenerated Cellulose (RC) 0.2µm Hydrophilic	17mm HPLC Syringe Filter Injection-moulded ring brown Regenerated Cellulose (RC) 0.45µm Hydrophilic
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

				
Part No.	LP-17162080	LP-17162081	LP-17162082	LP-17162083
Description	17mm HPLC Syringe Filter Injection-moulded ring purple Nylon (PA) 0.2µm Hydrophilic	17mm HPLC Syringe Filter Injection-moulded ring green Nylon (PA) 0.45µm Hydrophilic	17mm HPLC Syringe Filter Injection-moulded ring black Glass Fibre Prefilter/PVDF 0.2µm Hydrophilic	17mm HPLC Syringe Filter Injection-moulded ring red Glass Fibre Prefilter/PVDF 0.45µm Hydrophilic
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

30mm HPLC Syringe Filters

- Sample Retention <0.137ml
- Pressure Rating: 620kPa (=6.2bar / =90psi)
- Filter Area: 4.91cm²
- With Luer Lock-Inlet (female) and Luer Slip (male)

				
Part No.	LP-30162086	LP-30162087	LP-30162088	LP-30162089
Description	30mm HPLC Syringe Filter Injection-moulded ring blue Glass Fibre Prefilter/PTFE 0.2µm Hydrophobic	30mm HPLC Syringe Filter Injection-moulded ring yellow Glass Fibre Prefilter/PTFE 0.45µm Hydrophobic	30mm HPLC Syringe Filter Injection-moulded ring grey Glass Fibre Prefilter/Regene- rated Cellulose (RC), 0.2µm Hydrophilic	30mm HPLC Syringe Filter Injection-moulded ring brown Glass Fibre Prefilter/Regene- rated Cellulose (RC), 0.45µm Hydrophilic
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

30mm HPLC Syringe Filters

- Sample Retention <0.137ml
- Pressure Rating: 620kPa (=6.2bar / =90psi)
- Filter Area: 4.91cm²
- With Luer Lock-Inlet (female) and Luer Slip (male)

					
Part No.	LP-30162090	LP-30162091	LP-30162092	LP-30162093	LP-30162094
Description	30mm HPLC Syr. Filter Inj.-moulded ring blue Glass Fibre Prefilter/ Nylon (PA), 0.2µm Hydrophilic	30mm HPLC Syr. Filter Inj.-moulded ring green Glass Fibre Prefilter/ Nylon (PA), 0.45µm Hydrophilic	30mm HPLC Syr. Filter Inj.-moulded ring black Glass Fibre Prefilter/ PVDF, 0.2µm Hydrophilic	30mm HPLC Syr. Filter Inj.-moulded ring red PVDF 0.45µm Hydrophilic	30mm HPLC Syr. Filter Inj.-moulded ring orange Glass Fibre/GL Microfiber, 1.2µm
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

HPLC Certified Plastic Disposable Syringes

Polypropylene

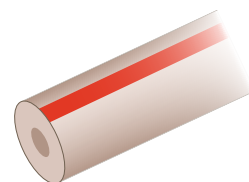


with Luer Slip				
Part No.	PP-EWS-2L	PP-EWS-5L	PP-EWS-10L	PP-EWS-20L
Description	2ml Luer-Slip HPLC Cetrified	5ml Luer-Slip HPLC Cetrified	10ml Luer-Slip HPLC Cetrified	20ml Luer-Slip HPLC Cetrified
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

with Luer Lock				
Part No.	PP-EWS-2LL	PP-EWS-5LL	PP-EWS-10LL	PP-EWS-20LL
Description	2ml Luer-Lock HPLC Cetrified	5ml Luer-Lock HPLC Cetrified	10ml Luer-Lock HPLC Cetrified	20ml Luer-Lock HPLC Cetrified
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

PEEK Tubing Premium Grade

- 360µm, 1/32", 1/16", 1/8" and 1/4" OD Tubing available
- Premium grade tubing with tighter tolerances
- Biocompatible
- Easy to cut



PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting. The dense polymer structure of our PEEK tubing eliminates the permeability to organic solvents that causes other polymer tubing, such as ETFE to "sweat".

BGB recommends "Striped Color-Coded" tubing. It is manufactured of virgin, natural PEEK and therefore ensures maximum chemical resistance and biocompatibility. The color dye is applied only to the outer surface and has no contact with the fluid stream.

Remember PEEK tubing is not affected by halide salts, high strength buffers or other aggressive mobile phases that corrode stainless steel. The polymer surface will not leach metal ions into the eluent or extract metal sensitive components from the sample. By far the most outstanding property is its excellent burst pressure.

Due to the tighter tolerances, BGB PEEK tubing is the best choice for chromatography applications in which exact flow rates or tube volume are of importance. The tighter tolerance ensures a more consistent internal volume of the transfer lines.

PEEK is compatible with almost any of the solvents commonly used in HPLC. Dichloromethane, THF and DMSO may cause swelling in PEEK. Concentrated nitric and sulphuric acid will attack PEEK.

Part No.	OD	ID	Color	Pressure	Qty.	Price
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PEEK Tubing - Striped Color-Coded - 360µm OD

211660-3	360µm	50µm	orange	358bar	3m	Price
211661-3	360µm	75µm	green	345bar	3m	Price
211662-3	360µm	100µm	grey	300bar	3m	Price
211663-3	360µm	125µm	red	275bar	3m	Price
211664-3	360µm	150µm	black	240bar	3m	Price

Part No.	OD	ID	Color	Pressure	Qty.	Price CHF
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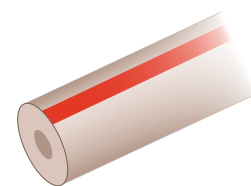
PEEK Tubing - Striped Color-Coded - 1/32" OD

211630-3	1/32"	0.050mm	orange	455bar	3m	Price
211631-3	1/32"	0.064mm	pink	455bar	3m	Price
211632-3	1/32"	0.075mm	green	455bar	3m	Price
211633-3	1/32"	0.100mm	black	455bar	3m	Price
211634-3	1/32"	0.13mm	red	414bar	3m	Price
211635-3	1/32"	0.15mm	natural	400bar	3m	Price
211636-3	1/32"	0.18mm	yellow	386bar	3m	Price
211637-3	1/32"	0.25mm	blue	338bar	3m	Price
211638-3	1/32"	0.50mm	orange	207bar	3m	Price



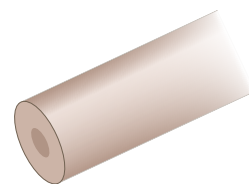
Polymeric Tubing Cutter
see page 54.

Part No.	OD	ID	Color	Pressure	Qty.	Price
PEEK Tubing - Striped Color-Coded - 1/16" OD						
211600-3	1/16"	0.050mm	orange	480bar	3m	Price
211600-5	1/16"	0.050mm	orange	480bar	5m	Price
211600-10	1/16"	0.050mm	orange	480bar	10m	Price
211600-25	1/16"	0.050mm	orange	480bar	25m	Price
211601-3	1/16"	0.064mm	pink	480bar	3m	Price
211601-5	1/16"	0.064mm	pink	480bar	5m	Price
211601-10	1/16"	0.064mm	pink	480bar	10m	Price
211601-25	1/16"	0.064mm	pink	480bar	25m	Price
211602-3	1/16"	0.075mm	green	470bar	3m	Price
211602-5	1/16"	0.075mm	green	470bar	5m	Price
211602-10	1/16"	0.075mm	green	470bar	10m	Price
211602-25	1/16"	0.075mm	green	470bar	25m	Price
211603-3	1/16"	0.100mm	black	460bar	3m	Price
211603-5	1/16"	0.100mm	black	460bar	5m	Price
211603-10	1/16"	0.100mm	black	460bar	10m	Price
211603-25	1/16"	0.100mm	black	460bar	25m	Price
211604-3	1/16"	0.13mm	red	460bar	3m	Price
211604-5	1/16"	0.13mm	red	460bar	5m	Price
211604-10	1/16"	0.13mm	red	460bar	10m	Price
211604-25	1/16"	0.13mm	red	460bar	25m	Price
211605-3	1/16"	0.18mm	yellow	440bar	3m	Price
211605-5	1/16"	0.18mm	yellow	440bar	5m	Price
211605-10	1/16"	0.18mm	yellow	440bar	10m	Price
211605-25	1/16"	0.18mm	yellow	440bar	25m	Price
211606-3	1/16"	0.25mm	blue	420bar	3m	Price
211606-5	1/16"	0.25mm	blue	420bar	5m	Price
211606-10	1/16"	0.25mm	blue	420bar	10m	Price
211606-25	1/16"	0.25mm	blue	420bar	25m	Price
211607-3	1/16"	0.50mm	orange	345bar	3m	Price
211607-5	1/16"	0.50mm	orange	345bar	5m	Price
211607-10	1/16"	0.50mm	orange	345bar	10m	Price
211607-25	1/16"	0.50mm	orange	345bar	25m	Price
211608-3	1/16"	0.75mm	green	262bar	3m	Price
211608-5	1/16"	0.75mm	green	262bar	5m	Price
211608-10	1/16"	0.75mm	green	262bar	10m	Price
211608-25	1/16"	0.75mm	green	262bar	25m	Price
211609-3	1/16"	1.00mm	grey	179bar	3m	Price
211609-5	1/16"	1.00mm	grey	179bar	5m	Price
211609-10	1/16"	1.00mm	grey	179bar	10m	Price
211609-25	1/16"	1.00mm	grey	179bar	25m	Price
211610-3	1/16"	1.40mm	black	55bar	3m	Price
211610-5	1/16"	1.40mm	black	55bar	5m	Price
211610-10	1/16"	1.40mm	black	55bar	10m	Price
211610-25	1/16"	1.40mm	black	55bar	25m	Price



For Fittings & Ferrules visit
www.bgb-info.com/hplc-accessories

Part No.	OD	ID	Color	Pressure	Qty.	Price
PEEK Tubing - Natural - 1/8" & 1/4" OD						
211682-3	1/8"	0.75mm	natural	345bar	3m	Price
211682-10	1/8"	0.75mm	natural	345bar	10m	Price
211681-3	1/8"	1.59mm	natural	224bar	3m	Price
211681-10	1/8"	1.59mm	natural	224bar	10m	Price
211683-3	1/8"	2.00mm	natural	165bar	3m	Price
211683-10	1/8"	2.00mm	natural	165bar	10m	Price
211684-1	1/4"	3.17mm	natural	227bar	1m	Price



For Fittings & Ferrules visit www.bgb-info.com/hplc-accessories

Polymeric Tubing Cutter

The polymeric tubing cutter makes burr-free perpendicular cuts to PEEK, PTFE, ETFE, and other polymeric tubing without distorting the OD or ID.



Part No.	Description	Qty.	Price EUR
220387	Polymeric Tubing Cutter	ea.	Price
220388	Replacement Blade for Polymeric Tubing Cutter	ea.	Price



Metall Tubing Cutter

The metall tubing cutter is the ideal way to cut 1/16" and 1/8" OD tubing, leaving smooth cuts requiring a minimum of deburring.



Part No.	Description	Qty.	Price EUR
220389	Metall Tubing Cutter	ea.	Price
220390	Replacement Cutting Wheel for Metall Tubing Cutter	ea.	Price

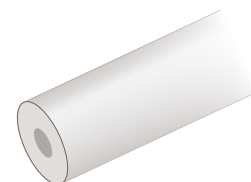


SETonic PEEK Tubing Connector Syringes

for more information visit www.bgb-info.com/setonic-threaded

Polymeric Tubing

- For low and mid pressure applications
- Biocompatible
- Easy to cut



FEP Tubing

FEP (Fluorinated Ethylenepropylene) is chemically inert to most HPLC solvents and is recommended for low pressure applications. We recommend FEP for ion chromatography applications. Max. operating temperature for FEP is 80°C.

ETFE Tubing

ETFE tubing has some outstanding properties which makes it particularly suitable for HPLC since it has a higher burst pressure when compared to PTFE. It is important to note that when using ETFE with organic solvents it may swell and will reduce the max. pressure to 70 bar. It is the ideal polymer for applications with chloride salts, which typically corrode stainless steel.

PTFE Tubing

PTFE tubing (Polytetrafluoroethylene) is chemically inert and suitable for lower pressure applications. Maximum continuous operating temperature is 100°C.

For more Polymeric Tubing materials and other diameters visit www.bgb-info.com/polymeric-tubing

Our online filter guide will help you to find the right tubing.

Part No.	OD	ID	Color	Pressure	Qty.	Price
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FEP Tubing - Natural - 1/8" OD

211540-3	1/8"	1.59mm	natural	69bar	3m	Price
211540-10	1/8"	1.59mm	natural	69bar	10m	Price
211540-25	1/8"	1.59mm	natural	69bar	25m	Price
211541-3	1/8"	2.10mm	natural	41bar	3m	Price
211541-10	1/8"	2.10mm	natural	41bar	10m	Price
211541-25	1/8"	2.10mm	natural	41bar	25m	Price

ETFE Tubing - Natural - 1/8" OD

211906-3	1/8"	1.59mm	natural	110bar	3m	Price
211906-10	1/8"	1.59mm	natural	110bar	10m	Price
211906-25	1/8"	1.59mm	natural	110bar	25m	Price

PTFE Tubing - Natural - 1/8" OD

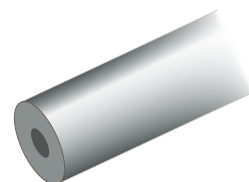
211925-3	1/8"	1.59mm	natural	35bar	3m	Price
211925-5	1/8"	1.59mm	natural	35bar	5m	Price
211925-10	1/8"	1.59mm	natural	35bar	10m	Price
211925-25	1/8"	1.59mm	natural	35bar	25m	Price
211926-3	1/8"	2.40mm	natural	18bar	3m	Price
211926-5	1/8"	2.40mm	natural	18bar	5m	Price
211926-10	1/8"	2.40mm	natural	18bar	10m	Price
211926-25	1/8"	2.40mm	natural	18bar	25m	Price



For Fittings & Ferrules visit
www.bgb-info.com/hplc-accessories

„Premium Grade“ Stainless Steel Tubing

- Premium Grade - Seamless
- Variety of sizes for HPLC and GC applications
- Smooth internal surface
- Soft annealed OD for easy ferrule connections



Part No.	OD	ID	Qty.	Max. Pressure	Price
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Premium Grade Stainless Steel Tubing 1/32" OD

211700-3	1/32"	0.13mm	3m	1735bar	Price
211700-10	1/32"	0.13mm	10m	1735bar	Price
211701-3	1/32"	0.18mm	3m	1600bar	Price
211701-10	1/32"	0.18mm	10m	1600bar	Price
211702-3	1/32"	0.25mm	3m	1395bar	Price
211702-10	1/32"	0.25mm	10m	1395bar	Price
211703-3	1/32"	0.50mm	3m	734bar	Price
211703-10	1/32"	0.50mm	10m	734bar	Price

Premium Grade Stainless Steel Tubing 1/16" OD

211710-3	1/16"	0.13mm	3m	1900bar	Price
211710-10	1/16"	0.13mm	10m	1900bar	Price
211711-3	1/16"	0.25mm	3m	1735bar	Price
211711-10	1/16"	0.25mm	10m	1735bar	Price
211712-3	1/16"	0.38mm	3m	1395bar	Price
211712-10	1/16"	0.38mm	10m	1395bar	Price
211713-3	1/16"	0.50mm	3m	1395bar	Price
211713-10	1/16"	0.50mm	10m	1395bar	Price
211714-3	1/16"	0.75mm	3m	1065bar	Price
211714-10	1/16"	0.75mm	10m	1065bar	Price
211715-3	1/16"	1.00mm	3m	734bar	Price
211715-10	1/16"	1.00mm	10m	734bar	Price

Premium Grade Stainless Steel Tubing 1/8" OD

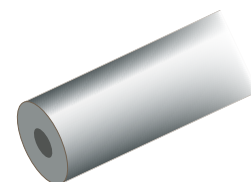
211720-3	1/8"	0.75mm	3m	1570bar	Price
211720-10	1/8"	0.75mm	10m	1570bar	Price
211721-3	1/8"	1.00mm	3m	1400bar	Price
211721-10	1/8"	1.00mm	10m	1400bar	Price
211722-3	1/8"	1.52mm	3m	1075bar	Price
211722-10	1/8"	1.52mm	10m	1075bar	Price
211723-3	1/8"	1.78mm	3m	950bar	Price
211723-10	1/8"	1.78mm	10m	950bar	Price
211724-3	1/8"	2.16mm	3m	660bar	Price
211724-10	1/8"	2.16mm	10m	660bar	Price



Metall Tubing Cutter
see page 54.

„Standard“ Stainless Steel Tubing

- Variety of sizes for HPLC and GC applications
- Smooth internal surface
- Soft annealed OD for easy ferrule connections



Part No.	OD	ID	Qty.	Max. Pressure	Price
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Standard Grade Stainless Steel Tubing 1/16" OD

211730-3	1/16"	0.13mm	3m	1870bar	Price
211730-10	1/16"	0.13mm	10m	1870bar	Price
211731-3	1/16"	0.18mm	3m	1790bar	Price
211731-10	1/16"	0.18mm	10m	1790bar	Price
211732-3	1/16"	0.25mm	3m	1715bar	Price
211732-10	1/16"	0.25mm	10m	1715bar	Price
211733-3	1/16"	0.50mm	3m	1380bar	Price
211733-10	1/16"	0.50mm	10m	1380bar	Price
211734-3	1/16"	0.75mm	3m	1075bar	Price
211734-10	1/16"	0.75mm	10m	1075bar	Price
211735-3	1/16"	1.00mm	3m	743bar	Price
211735-10	1/16"	1.00mm	10m	743bar	Price

Standard Grade Stainless Steel Tubing 1/8" OD

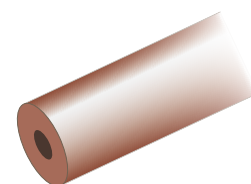
211740-3	1/8"	2.10mm	3m	680bar	Price
211740-10	1/8"	2.10mm	10m	680bar	Price

Standard Grade Stainless Steel Tubing 1/4" OD

211750-1	1/4"	4.65mm	1m	538bar	Price
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Copper Tubing

- Recommended for carrier gas lines
- Tubing is cleaned by solvent rinse
- Baked under inert gas flow



Part No.	OD	ID	Qty.	Max. Pressure	Price
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211760	1/8"	1.65mm (0.065")	15.24m	193bar	Price
211761	1/4"	4.83mm (0.190")	15.24m	69bar	Price

Swagelok® Fittings Brass

BGB carries a full line of quality Swagelok fittings for GC and HPLC.

Part No.	Description	Qty.	Price
SW-B-102-1	1/16" Nut	10	Price
SW-B-202-1	1/8" Nut	10	Price
SW-B-402-1	1/4" Nut	10	Price
SW-B-103-1	1/16" Front Ferrule	10	Price
SW-B-203-1	1/8" Front Ferrule	10	Price
SW-B-403-1	1/4" Front Ferrule	10	Price
SW-B-104-1	1/16" Back Ferrule	10	Price
SW-B-204-1	1/8" Back Ferrule	10	Price
SW-B-404-1	1/4" Back Ferrule	10	Price
SW-B-100-C	1/16" Cap	5	Price
SW-B-200-C	1/8" Cap	5	Price
SW-B-400-C	1/4" Cap	5	Price
SW-B-100-P	1/16" Plug	5	Price
SW-B-200-P	1/8" Plug	5	Price
SW-B-400-P	1/4" Plug	5	Price
SW-B-100-6	Union 1/16" to 1/16"	ea.	Price
SW-B-200-6	Union 1/8" to 1/8"	ea.	Price
SW-B-400-6	Union 1/4" to 1/4"	ea.	Price
SW-B-200-6-1	Reducing Union 1/8" to 1/16"	ea.	Price
SW-B-400-6-1	Reducing Union 1/4" to 1/16"	ea.	Price
SW-B-400-6-2	Reducing Union 1/4" to 1/8"	ea.	Price
SW-B-100-3	Union Tees 1/16" x 1/16" x 1/16"	ea.	Price
SW-B-200-3	Union Tees 1/8" x 1/8" x 1/8"	ea.	Price
SW-B-400-3	Union Tees 1/4" x 1/4" x 1/4"	ea.	Price
SW-B-100-6BT	Bored Through Unions 1/16" to 1/16"	ea.	Price
SW-B-200-6BT	Bored Through Unions 1/8" to 1/8"	ea.	Price
SW-B-400-6BT	Bored Through Unions 1/4" to 1/4"	ea.	Price
SW-B-100-1-1	Male Connector 1/16" to 1/16" NPT	ea.	Price
SW-B-200-1-2	Male Connector 1/8" to 1/8" NPT	ea.	Price
SW-B-400-1-4	Male Connector 1/4" to 1/4" NPT	ea.	Price
SW-B-100-1-2	Male Connector 1/16" to 1/8" NPT	ea.	Price
SW-B-200-1-1	Male Connector 1/8" to 1/16" NPT	ea.	Price
SW-B-400-1-2	Male Connector 1/4" to 1/8" NPT	ea.	Price
SW-B-200-1-4	Male Connector 1/8" to 1/4" NPT	ea.	Price
SW-B-200-7-2	Female Connector 1/8" to 1/8" NPT	ea.	Price
SW-B-200-7-4	Female Connector 1/8" to 1/4" NPT	ea.	Price
SW-B-400-7-2	Female Connector 1/4" to 1/8" NPT	ea.	Price
SW-B-400-7-4	Female Connector 1/4" to 1/4" NPT	ea.	Price
SW-B-100-R-2	Reducers 1/16" to 1/8" Tube	ea.	Price
SW-B-200-R-2	Reducers 1/8" to 1/8" Tube	ea.	Price
SW-B-400-R-2	Reducers 1/4" to 1/8" Tube	ea.	Price



Swagelok® Fittings Stainless Steel

BGB carries a full line of quality Swagelok fittings for GC and HPLC.

Part No.	Description	Qty.	Price
SW-SS-102-1	1/16" Nut	10	Price
SW-SS-202-1	1/8" Nut	10	Price
SW-SS-402-1	1/4" Nut	10	Price
SW-SS-103-1	1/16" Front Ferrule	10	Price
SW-SS-203-1	1/8" Front Ferrule	10	Price
SW-SS-403-1	1/4" Front Ferrule	10	Price
SW-SS-104-1	1/16" Back Ferrule	10	Price
SW-SS-204-1	1/8" Back Ferrule	10	Price
SW-SS-404-1	1/4" Back Ferrule	10	Price
SW-SS-100-C	1/16" Cap	5	Price
SW-SS-200-C	1/8" Cap	5	Price
SW-SS-400-C	1/4" Cap	5	Price
SW-SS-100-P	1/16" Plug	5	Price
SW-SS-200-P	1/8" Plug	5	Price
SW-SS-400-P	1/4" Plug	5	Price
SW-SS-100-6	Union 1/16" to 1/16"	ea.	Price
SW-SS-200-6	Union 1/8" to 1/8"	ea.	Price
SW-SS-400-6	Union 1/4" to 1/4"	ea.	Price
SW-SS-200-6-1	Reducing Union 1/8" to 1/16"	ea.	Price
SW-SS-400-6-1	Reducing Union 1/4" to 1/16"	ea.	Price
SW-SS-400-6-2	Reducing Union 1/4" to 1/8"	ea.	Price
SW-SS-100-3	Union Tees 1/16" x 1/16" x 1/16"	ea.	Price
SW-SS-200-3	Union Tees 1/8" x 1/8" x 1/8"	ea.	Price
SW-SS-400-3	Union Tees 1/4" x 1/4" x 1/4"	ea.	Price
SW-SS-100-6BT	Bored Through Unions 1/16" to 1/16"	ea.	Price
SW-SS-200-6BT	Bored Through Unions 1/8" to 1/8"	ea.	Price
SW-SS-400-6BT	Bored Through Unions 1/4" to 1/4"	ea.	Price
SW-SS-100-1-1	Male Connector 1/16" to 1/16" NPT	ea.	Price
SW-SS-200-1-2	Male Connector 1/8" to 1/8" NPT	ea.	Price
SW-SS-400-1-4	Male Connector 1/4" to 1/4" NPT	ea.	Price
SW-SS-100-1-2	Male Connector 1/16" to 1/8" NPT	ea.	Price
SW-SS-200-1-1	Male Connector 1/8" to 1/16" NPT	ea.	Price
SW-SS-400-1-2	Male Connector 1/4" to 1/8" NPT	ea.	Price
SW-SS-200-1-4	Male Connector 1/8" to 1/4" NPT	ea.	Price
SW-SS-200-7-2	Female Connector 1/8" to 1/8" NPT	ea.	Price
SW-SS-200-7-4	Female Connector 1/8" to 1/4" NPT	ea.	Price
SW-SS-400-7-2	Female Connector 1/4" to 1/8" NPT	ea.	Price
SW-SS-400-7-4	Female Connector 1/4" to 1/4" NPT	ea.	Price
SW-SS-100-R-2	Reducers 1/16" to 1/8" Tube	ea.	Price
SW-SS-200-R-2	Reducers 1/8" to 1/8" Tube	ea.	Price
SW-SS-400-R-2	Reducers 1/4" to 1/8" Tube	ea.	Price



Swagelok® Toggle Valve

- Compact, rugged design
- Opens and closes quickly
- Straight and angle flow patterns

Part No.	Description	Qty.	Price
Brass			
SW-B-OGS2	Toggle Valve, Brass, 1/8", straight	ea.	Price
SW-B-1GS4	Toggle Valve, Brass, 1/4", straight	ea.	Price
SW-B-OGS2-A	Toggle Valve, Brass, 1/8", angled	ea.	Price
SW-B-1GS4-A	Toggle Valve, Brass, 1/4", angled	ea.	Price
Stainless Steel			
SW-SS-OGS2	Toggle Valve, SS, 1/8", straight	ea.	Price
SW-SS-1GS4	Toggle Valve, SS, 1/4", straight	ea.	Price
SW-SS-OGS2-A	Toggle Valve, SS, 1/8", angled	ea.	Price
SW-SS-1GS4-A	Toggle Valve, SS, 1/4", angled	ea.	Price



Toggle Valve, straight



Toggle Valve, angled

Swagelok® Ball Valve

- Working pressure up to 200bar
- Temperatures up to 150°C
- Straight and angle flow patterns

Part No.	Description	Qty.	Price
Brass			
SW-B-41S2	Ball Valve, Brass, 1/8", straight	ea.	Price
SW-B-43S4	Ball Valve, Brass, 1/4", straight	ea.	Price
SW-B-41S2-A	Ball Valve, Brass, 1/8", angled	ea.	Price
SW-B-43S4-A	Ball Valve, Brass, 1/4", angled	ea.	Price
Stainless Steel			
SW-SS-41GS2	Ball Valve, SS, 1/8", straight	ea.	Price
SW-SS-43GS4	Ball Valve, SS, 1/4", straight	ea.	Price
SW-SS-41GS2-A	Ball Valve, SS, 1/8", angled	ea.	Price
SW-SS-43GS4-A	Ball Valve, SS, 1/4", angled	ea.	Price



Ball Valve, straight



Ball Valve, angled



Hexagon Key Set, 30 pieces (mm & inch)

Metric: 0,7; 0,9; 1,27; 1,5; 2,0; 2,5; 4,0; 4,5; 5,0; 5,5; 6,0; 7,0; 8,0; 10,0 mm
 Inch: 0,028; 0,036; 0,05; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16 und 3/8 inch
 Material: Chrome-Vanadium steel

Part No.	Product	Qty	Price
IMBUS	Hexagon Key Set (mm & inch), Chrome Vanadium Steel	ea.	Price

Adapters for 1/4"-28 threaded ports

					
	Bore 0.4mm	Bore 1.3mm	Bore 1.3mm	Bore 1.5mm	Bore 1.0mm
Part No.	220312	220302	220304	220305	220308
Description	Adapter, PEEK 1/4"-28 female to 10-32 female	Adapter, PEEK 1/4"-28 female to Luer Lock female	Adapter, PEEK 1/4"-28 female to Luer Lock male	Adapter, PEEK 1/4"-28 male to Luer female	Adapter, PEEK 1/4"-28 male to Luer Lock male
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Adapters for 10-32 threaded ports

					
	Bore 0.4mm	Bore 1.3mm	Bore 1.3mm	Bore 1.3mm	Bore 1.0 mm
Part No.	220300	220314	220315	220337	220322
Description	Adapter, PEEK 10-32 male to 1/4"-28 female	Adapter, PEEK 10-32 female to Luer Lock female	Adapter, PEEK 10-32 female to Luer Lock male	Adapter, PEEK 10-32 male to Luer Lock female	Adapter, SS 10-32 male to Luer female
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

For more HPLC Adapters visit www.bgb-info.com/hplc-accessories

HPLC Certified Plastic Disposable Syringes

Polypropylene



with Luer Slip				
Part No.	PP-EWS-2L	PP-EWS-5L	PP-EWS-10L	PP-EWS-20L
Description	2ml Luer-Slip HPLC Cetrified	5ml Luer-Slip HPLC Cetrified	10ml Luer-Slip HPLC Cetrified	20ml Luer-Slip HPLC Cetrified
Price	Price / pk.100	Price / pk.100	Price / pk.100	Price / pk.100

Plugs & Caps

	 max. 1375bar	 max. 350bar			
Part No.	220330	220331	220332	220333	220334
Description	Plug, SS 10-32 thread for high Pressure	Plug, PEEK 10-32 thread	Plug, ETFE 10-32 thread	Plug, PEEK 1/4"-28 thread	Plug, POM (Delrin) 1/4"-28 thread
Price	Price / ea.	Price / pk.5	Price / pk.10	Price / pk.5	Price / pk.10

	 max. 1375bar	 max. 350bar			
Part No.	200972	220338	220339	220340	220341
Description	Cap, SS 10-32 thread for high Pressure	Cap, PEEK 10-32 thread (incl. cap, nut & ferrule)	Cap, ETFE 10-32 thread	Cap, PEEK 1/4"-28 thread	Cap, ETFE 1/4"-28 thread
Price	Price / ea.	Price / ea.	Price / pk.10	Price / ea.	Price / pk.10

				
Part No.	220335	220336	200973	220343
Description	Plug, SS 1/8" 5/16"-24 thread for high Pressure	Plug, SS 1/4" 7/16"-20 thread	Cap, SS 1/8" 5/16"-24 thread	Cap, SS 1/4" 7/16"-20 thread
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.

1/4"-28 Flangeless Fittings & Ferrules

				 max. 69 bar	 max. 172 bar
Part No.	220344	220345	220346	220347	220348
Description	Short Nut, PEEK 1/4"-28 thread 1/8" OD Tubing Fingertight, Short	Nut, PEEK 1/4"-28 thread 1/8" OD Tubing Fingertight, Long	Nut, POM (Delrin) 1/4"-28 thread 1/8" OD Tubing Fingertight, Long	Ferrule, ETFE with Stainless Steel Ring 1/8" OD Tubing	Ferrule, PEEK with Stainless Steel Ring 1/8" OD Tubing
Price	Price / pk.10	Price / pk.10	Price / pk.10	Price / pk.10	Price / pk.10

		 max. 35 bar		 max. 105 bar
Part No.	220349	220351	220350	220352
Description	Nut, PPS 1/4"-28 thread 1/8" OD Tubing Hex Head	Ferrule, ETFE 1/8" OD Tubing	Nut, PPS 1/4"-28 thread 1/16" OD Tubing Hex Head	Ferrule, ETFE 1/16" OD Tubing
Price	Price / pk.10	Price / pk.10	Price / pk.10	Price / pk.10

	 max. 69 bar	 max. 69 bar
Part No.	220353	220354
Description	Fitting, PEEK 1/4"-28 thread 1/8" OD Tubing „No-Twist-One-Piece“ Fingertight	Fitting, PEEK 1/4"-28 thread 1/16" OD Tubing „No-Twist-One-Piece“ Fingertight
Price	Price / ea.	Price / ea.



SETonic PEEK Tubing Connector Syringes
for more information visit www.bgb-info.com/setonic-threaded

1/16" 10-32 UHPLC Fittings & Ferrules for 1/16" OD Tubing

					
	max. 1400 bar	max. 1400 bar	max. 1400 bar	max. 1400 bar	max. 1400 bar
Part No.	220355	220356	220357	220358	220359
Description	UHPLC Fitting, SS with Titanium/PEEK Ferrule, 10-32 thread Hex Head, Short	UHPLC Fitting, SS with Titanium/PEEK Ferrule, 10-32 thread Hex Head, Standard	UHPLC Fitting, SS with Titanium/PEEK Ferrule, 10-32 thread Hex Head, Long	UHPLC Fitting, SS with Titanium/PEEK Ferrule, 10-32 thread Fingertight	UHPLC Ferrule Titanium/PEEK 1/16" OD Tubing
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / pk. 2

	 max. 1375 bar	 max. 1375 bar	 max. 1375 bar	 max. 1375 bar
Part No.	200952	200953	200954	200955
Description	UHPLC Nut, SS 10-32 thread Hex Head, Short	UHPLC Nut, SS 10-32 thread Hex Head, Standard	UHPLC Nut, SS 10-32 thread Hex Head, Long	UHPLC Ferrule, SS 1/16" OD Tubing
Price	Price / pk.5	Price / pk.5	Price / pk.5	Price / pk.5

	 max. 827 bar	 max. 700 bar
Part No.	220364	220365
Description	UHPLC Fitting, PEEK 10-32 thread Fingertight, One-Piece	UHPLC Fitting, PEEK 10-32 thread Hex Head, One-Piece
Price	Price / pk.10	Price / pk.10



SETonic PEEK Tubing Connector Syringes
for more information visit www.bgb-info.com/setonic-threaded

BGB HPLC Columns - for more information visit www.bgb-info.com/hplc-columns



1/16" 10-32 Standard HPLC Fittings & Ferrules for 1/16" OD Tubing

„No-Twist- One-Piece“				
	max. 350 bar	max. 350 bar	max. 350 bar	max. 350 bar
Part No.	220366	220367	220368	220369
Description	Fitting, PEEK 10-32 thread Hex Head, Short	Fitting, PEEK 10-32 thread Hex Head, Standard	Fitting, PEEK 10-32 thread Hex Head, Long	Fitting, PEEK 10-32 thread Fingertight
Price	Price / pk.5	Price / pk.5	Price / pk.5	Price / pk.5

One-Piece	 max. 345 bar	 max. 345 bar	 max. 345 bar
	Part No.	220370	220371
Description	Fitting, PEEK 10-32 thread Fingertight, Short	Fitting, PEEK 10-32 thread Fingertight, Long	Fitting, PEEK 10-32 thread Fingertight
Price	Price / pk.10	Price / pk.10	Price / pk.10

Unions

1/16" OD Tubing					
	max. 350bar	max. 350bar	max. 1375bar	max. 1375bar	max. 1375bar
	Bore 0.25mm	Bore 0.50mm	Bore 0.15mm	Bore 0.25mm	Bore 0.50mm
Part No.	201950	201951	200980	200981	200982
Description	Union, PEEK 1/16" 10-32 thread	Union, PEEK 1/16" 10-32 thread	Union, SS 1/16" 10-32 thread	Union, SS 1/16" 10-32 thread	Union, SS 1/16" 10-32 thread
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

1/8" OD Tubing			
	Bore 0.75mm	Bore 1.3mm	End to End thread
Part No.	220379	220380	220381
Description	Union, PEEK 1/4"-28 thread	Union, PEEK 1/4"-28 thread	Union, ETFE 1/4"-28 thread
Price	Price / ea.	Price / ea.	Price / ea.

Reducing Unions

			
	max. 1375 bar	max. 1375 bar	max. 350 bar
	Bore 0.15mm	Bore 0.75mm	Bore 0.75mm
Part No.	220382	200984	220384
Description	Reducing Union, SS 1/16" 10-32 to 1/32" 6-40	Reducing Union, SS 1/16" 10-32 to 1/8" 5/16"-24	Reducing Union, SS 1-1/16" 10-32 to 1/4" 7/16"-20
Price	Price / ea.	Price / ea.	Price / ea.

					
	max. 350 bar	max. 350 bar	max. 350 bar		
	Bore 0.15mm	Bore 0.25mm	Bore 0.75mm	Bore 0.4mm	Bore 0.4mm
Part No.	202010	220386	201970	220312	220317
Description	Reducing Union, PEEK 1-1/16" 10-32 to 360µm 2-56	Reducing Union, PEEK 1-1/16" 10-32 to 1/32" 6-40	Reducing Union, PEEK 1/16" 10-32 to 1/8" 5/16"-24	Adapter, PEEK 10-32 female to 1/4"-28 female	Adapter, PEEK 10-32 female to M6 female
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Tees

				
	max. 350 bar	max. 350 bar	max. 1375 bar	max. 1375 bar
	Bore 0.25mm	Bore 0.50mm	Bore 0.25mm	Bore 0.50mm
Part No.	201980	201981	200985	200986
Description	Tee, PEEK 1/16" 10-32 thread	Tee, PEEK 1/16" 10-32 thread	Tee, SS 1/16" 10-32 thread	Tee, SS 1/16" 10-32 thread
Price	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Safety-Caps GL45

					
Part No.	SP-S45F1	SP-S45F2	SP-S45F3	SP-S45F4	SP-S45F5
Description	Safety-Cap GL45 1x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 2x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 3x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 4x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 5x 1/8"-Tubing Port 1x Air Inlet Valve
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

with Lock					
Part No.	SP-S45F1-L	SP-S45F2-L	SP-S45F3-L	SP-S45F4-L	SP-S45F6
Description	Safety-Cap GL45 1x 1/8"-Tubing Port with Lock 1x Air Inlet Valve	Safety-Cap GL45 2x 1/8"-Tubing Port with Lock 1x Air Inlet Valve	Safety-Cap GL45 3x 1/8"-Tubing Port with Lock 1x Air Inlet Valve	Safety-Cap GL45 4x 1/8"-Tubing Port with Lock 1x Air Inlet Valve	Safety-Cap GL45 6x 1/8"-Tubing Port 1x Air Inlet Valve
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

for preparative HPLC					
Part No.	SP-S45P141	SP-S45F1P141	SP-S45P3161	SP-S45P3162	SP-S45P3163
Description	Safety-Cap GL45 1x 1/4"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 1x 1/4"-Tubing Port 1x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 1x 3/16"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 2x 3/16"-Tubing Port 1x Air Inlet Valve	Safety-Cap GL45 3x 3/16"-Tubing Port 1x Air Inlet Valve
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Safety-Caps for ground neck bottle					
Part No.	SP-SGNF1	SP-SGNF2	SP-SGNF3	SP-SGNF4	SP-SAIV
Description	Safety-Cap Ground Neck Bottle, 29/32mm 1x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap Ground Neck Bottle, 29/32mm 2x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap Ground Neck Bottle, 29/32mm 3x 1/8"-Tubing Port 1x Air Inlet Valve	Safety-Cap Ground Neck Bottle, 29/32mm 4x 1/8"-Tubing Port 1x Air Inlet Valve	Safety Air Inlet Valve for Safety-Caps
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Waste-Caps GL45

				
Part No.	SP-W45F1	SP-W45F1B1	SP-W45F1B2	SP-A3245PTFE
Description	Waste-Cap GL45 1x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap GL45 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap GL45 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Safety-Adapter PTFE GL32 (female thread) GL45 (male thread)
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.
				
Part No.	SP-W45F2	SP-W45F2B1	SP-W45F2B2	SP-A3845PTFE
Description	Waste-Cap GL45 2x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap GL45 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap GL45 2x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Safety-Adapter PTFE GL38 (female thread) GL45 (male thread)
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.
				
Part No.	SP-W45F3	SP-W45F3B1	SP-W45F4	SP-W45F4B1
Description	Waste-Cap GL45 3x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap GL45 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap GL45 4x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap GL45 4x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.
				
Part No.	SP-W45B1	SP-W45B2	SP-W45B3	SP-A4045PTFE
Description	Waste-Cap GL45 1x Barbed Tubing Port * 1x Safety-Waste-Filter Port	Waste-Cap GL45 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap GL45 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Safety-Adapter PTFE GL40 (female thread) to GL45 (male thread)
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Waste-Caps S50

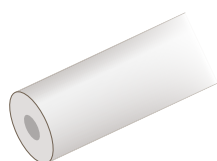
				
Part No.	SP-W50F1	SP-W50F1B1	SP-W50F1B2	SP-W50F1B3
Description	Waste-Cap S50 1x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S50 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 1x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W50F2	SP-W50F2B1	SP-W50F2B2	SP-W50F2B3
Description	Waste-Cap S50 2x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S50 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 2x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 2x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W50F3	SP-W50F3B1	SP-W50F3B2	SP-W50F3B3
Description	Waste-Cap S50 3x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S50 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 3x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 3x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.

More Waste-Caps S50 see page 70.



Polymeric Tubing

see page 55.



Safety-Waste-Filter see page 77.

Waste-Caps S50

				
Part No.	SP-W50F4	SP-W50F4B1	SP-W50F4B2	SP-C50PE5
Description	Waste-Cap S50 4x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S50 4x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 4x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Canister S50 PP, 5 Liter with Liter Graduation Small Footprint
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W50F5	SP-W50F5B1	SP-W50F2B1-I	SP-W50B4
Description	Waste-Cap S50 5x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S50 5x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S50 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port Level Indicator	Waste-Cap S50 4x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Waste-Caps B53 (for NALGENE® Bottles & Canister)

			
Part No.	SP-W53F1B1	SP-W53F2B1	SP-W53F3B1
Description	Waste-Cap B53 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap B53 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap B53 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.

Waste-Caps S55 (DIN 51)

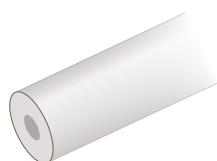
				
Part No.	SP-W55F1	SP-W55F1B1	SP-W55F1B2	SP-W55F1B3
Description	Waste-Cap S55 1x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S55 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 1x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W55F2	SP-W55F2B1	SP-W55F2B2	SP-W55F2B3
Description	Waste-Cap S55 2x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S55 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 2x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 2x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W55F3	SP-W55F3B1	SP-W55F3B2	SP-W55F3B3
Description	Waste-Cap S55 3x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S55 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 3x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 3x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.

More Waste-Caps S55 (DIN 51) see page 72.



Polymeric Tubing

see page 55.



Safety-Waste-Filter see page 77.

Waste-Caps S55 (DIN 51)

				
Part No.	SP-W55F4	SP-W55F4B3	SP-W55F1B2-I	SP-W55F1B3-I
Description	Waste-Cap S55 4x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S55 4x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port Level Indicator	Waste-Cap S55 1x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port Level Indicator
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W55F5	SP-W55F5B1	SP-W55F5B3	SP-W55B3
Description	Waste-Cap S55 5x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S55 5x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 5x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S55 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Waste-Caps S60/61 (DIN 60)

				
Part No.	SP-W60F1	SP-W60F1B1	SP-W60F1B2	SP-W60F1B3
Description	Waste-Cap S60 1x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S60 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 1x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.

Waste-Caps S60/61 (DIN 60)

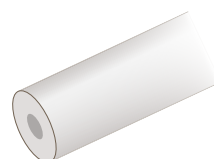
				
Part No.	SP-W60F2	SP-W60F2B1	SP-W60F2B2	SP-W60F2B3
Description	Waste-Cap S60 2x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S60 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 2x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 2x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W60F3	SP-W60F3B1	SP-W60F3B2	SP-W60F3B3
Description	Waste-Cap S60 3x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S60 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 3x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 3x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

				
Part No.	SP-W60F4	SP-W60F4B1	SP-W60F4B2	SP-W60F4B3
Description	Waste-Cap S60 4x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S60 4x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 4x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 4x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

	
Part No.	SP-W60F4B4
Description	Waste-Cap S60, 4x 1/8"-Tubing Port 4x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.

More Waste-Caps S60/61 (DIN 60) see page 74.



Polymeric Tubing

see page 55.



Safety-Waste-Filter see page 77.

Waste-Caps S60/61 (DIN 60)

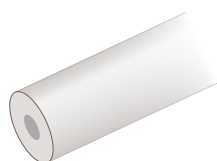
				
Part No.	SP-W60F5	SP-W60F5B1	SP-W60F5B2	SP-W60F5B3
Description	Waste-Cap S60 5x 1/8"-Tubing Port 1x Safety-Waste-Filter Port	Waste-Cap S60 5x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 5x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 5x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

			
Part No.	SP-W60B1	SP-W60B2	SP-W60B4
Description	Waste-Cap S60 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 2x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap S60 4x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.

Waste-Caps B83 (for NALGENE® Bottles & Canister)

			
Part No.	SP-W83F1B1	SP-W83F2B1	SP-W83F3B1
Description	Waste-Cap B83 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap B83 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port	Waste-Cap B83 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-Waste-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.



Polymeric Tubing

see page 55.

Waste-Caps S90 (DIN 90)

					
Part No.	SP-W90F1	SP-W90F1B1	SP-W90F1B2	SP-W90F1B3	SP-W90F1B4
Description	Waste-Cap S90 1x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 1x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 1x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 1x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 1x 1/8"-Tubing Port 4x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

					
Part No.	SP-W90F2	SP-W90F2B1	SP-W90F2B2	SP-W90F2B3	SP-W90F2B4
Description	Waste-Cap S90 2x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 2x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 2x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 2x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 2x 1/8"-Tubing Port 4x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

					
Part No.	SP-W90F3	SP-W90F3B1	SP-W90F3B2	SP-W90F3B3	SP-W90F3B4
Description	Waste-Cap S90 3x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 3x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 3x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 3x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 3x 1/8"-Tubing Port 4x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Colour and type of the nuts can vary.

More Waste-Caps S90 (DIN 90) see page 76.



Safety-Waste-Filter see page 77.

Waste-Caps S90 (DIN 90)

				
Part No.	SP-W90F4	SP-W90F4B1	SP-W90F4B2	SP-W90F4B3
Description	Waste-Cap S90 4x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 4x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 4x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 4x 1/8"-Tubing Port 3x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

			
Part No.	SP-W90F5	SP-W90F5B1	SP-W90F5B2
Description	Waste-Cap S90 5x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 5x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 5x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.

			
Part No.	SP-W90F6	SP-W90F6B1	SP-W90F6B2
Description	Waste-Cap S90 6x 1/8"-Tubing Port 1x Safety-W.-Filter Port	Waste-Cap S90 6x 1/8"-Tubing Port 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 6x 1/8"-Tubing Port 2x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.

					
Part No.	SP-W90B1	SP-W90B2	SP-W90B3	SP-W90B4	SP-W90B5
Description	Waste-Cap S90 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 1x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 3x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 4x Barbed Tubing Port* 1x Safety-W.-Filter Port	Waste-Cap S90 5x Barbed Tubing Port* 1x Safety-W.-Filter Port
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Safety-Waste-Filter

			
Part No.	SP-FSS	SP-FSM	SP-FSL
Description	Safety-Waste-Filter Standard, SMALL 3 Months Service Life	Safety-Waste-Filter Standard, MEDIUM 6 Months Service Life	Safety-Waste-Filter Standard, LARGE 12 Months Service Life
Price CHF	Price / ea.	Price / ea.	Price / ea.

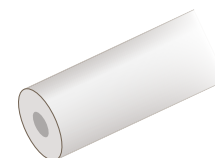
				
Part No.	SP-FAM	SP-FAL	SP-FSXL	SP-FSXXL
Description	Safety-Waste-Filter Acid Vapor, MEDIUM 6 Months Service Life	Safety-Waste-Filter Acid Vapor, LARGE 12 Months Service Life	Safety-Waste-Filter Standard, XL for 2" Mauser (BCS 70x6) Thread 3 - 6 Months Service Life	Safety-Waste-Filter Standard, XXL for 2" Mauser (BCS 70x6) Thread 9 - 12 Months Service Life
Price CHF	Price / ea.	Price / ea.	Price / ea.	Price / ea.

Adapter for Safety-Waste-Filter Port

	SP-AFSE	Part No.	SP-AF90E	
	Safety-Adapter Straight Extension 50mm for Safety-Waste-Filter Port	Description	Safety-Adapter 90° Extension 45mm for Safety-Waste-Filter Port	
	Price / ea.	Price CHF	Price / ea.	



For Safety-Funnel visit
www.bgb-info.com/safety-funnel



Polymeric Tubing
 see page 55.

Fittings for Safety- & Waste-Caps

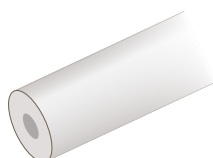
				
Part No.	SP-NOPBLK16	SP-NOPVIO16	SP-NOPBLK18	SP-NOPVIO18
Description	Fitting One-Piece BLACK, 1/16" for 1.0mm to 1.6mm OD Tubing	Fitting One-Piece PURPLE, 1/16" for 1.0mm to 1.6mm OD Tubing	Fitting One-Piece BLACK, 1/8" for 2.0mm to 3.2mm OD Tubing	Fitting One-Piece PURPLE, 1/8" for 2.0mm to 3.2mm OD Tubing
Price CHF	Price / pk.5	Price / pk.5	Price / pk.5	Price / pk.5

Plugs and Air Inlet Valve for Safety- & Waste-Caps

				
Part No.	SP-NP18	SP-NPFIL	SP-NPBAR	SP-SAIV
Description	Plug for 1/8\"-Tubing Port	Plug for Safety-Waste-Filter Port	Plug for Barbed Tubing Port	Safety Air Inlet Valve for Safety-Caps
Price CHF	Price / pk.10	Price / ea.	Price / pk.5	Price / ea.



Syringe Filter
see page 49.



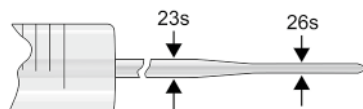
Polymeric Tubing
see page 55.



For Safety-Funnel visit
www.bgb-info.com/safety-funnel

Technical Syringe Information

23s-26s Dual Gauge Tapered Needle



- ⇒ Split/splitless or on-column injections
- ⇒ Versatility without sacrificing durability
- ⇒ More solid needle than regular 26s
- ⇒ Minimizes septum abrasion

23s Gauge Needle



- ⇒ Most durable needle
- ⇒ Merlin Microseal™ and standard septum injections
- ⇒ Packed column injections
- ⇒ Split/splitless injections

26s Gauge Needle



- ⇒ Fine gauge offers versatility
- ⇒ On-column injections
- ⇒ Split/splitless injections

Gauge Index Table

Gauge	Nominal O.D. mm*	Nominal O.D. mm*	Wall Thickness mm*	Volume µL/Inch
26s	0.474	0.127	0.35	0.322
26	0.464	0.260	0.20	1.349
25s	0.515	0.153	0.36	0.464
25	0.515	0.260	0.25	1.349
24	0.566	0.311	0.25	1.930
23s	0.642	0.116	0.53	0.268
23	0.642	0.337	0.30	2.266
22s	0.718	0.168	0.55	0.563
22	0.718	0.413	0.30	3.403
21	0.819	0.514	0.30	5.271
20	0.908	0.603	0.30	7.255
19	1.067	0.686	0.38	9.389

*mm are nominal

Plunger Tips

- PE-HD - with better durability than virginal PTFE when working with saline solution
- PTFE - gas tight sealing of the plunger tip, for most solvents and chemicals
- PTFE NUB - PTFE compound with highest durability and chemical resistant combined with low electrostatic effects
- SS-Gold coated * - Gold coated stainless steel, developed for use with aggressive solvents (e.g. strong acids)

*regular SS plunger syringes are available as gold coated version on request

Syringe Terminations

FN - Fixed Needle



LT - Luer Tip (with Fixed Needle)



TLL/TLL-X - Teflon (PTFE) Luer Lock



RN - Removable Needle



LT - Luer Tip (without Needle)



1/4"-28 UNF



Needle Tip Styles

Tip Style AS and c



Special conical needle recommended for septum penetration (Autosampler Type).

SGE

Hamilton

1

AS

Tip Style a



Beveled needle is recommended for life science applications.

2

4

Tip Style b



Blunt needle for use with HPLC Injection valves and for sample pipetting.

3

3

Tip Style d



Conical needle with side port is recommended for penetration of septa, thin-gauged vinyls and plastics without coring (Headspace GC).

5

5

Agilent GC Autosampler Syringes



 made
 in
 Germany

Part No.	Volume	Plunger Type	Qty.	Needle	OD (Gauge)	Price EUR
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Microsyringes 0.5µl-1µl - Point Style AS, Needle Length 42mm - Removable Needle

SET-3030151	0.5µl	SS (In Needle)	ea.	RN	0.64mm (23s)	Price
SET-3030152	1µl	SS (In Needle)	ea.	RN	0.64mm (23s)	Price

Microsyringes 5µl-100µl - Point Style AS, Needle Length 42 - Fixed Needle

SET-3030128	5µl	SS	ea.	FN	0.64mm (23s)	Price
SET-3030133	5µl	SS	pk.6	FN	0.64mm (23s)	Price
SET-3030127	5µl	SS	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-3030132	5µl	SS	pk.6	FN	0.64-0.47mm (23s-26s)	Price
SET-3030126	5µl	SS	ea.	FN	0.47mm (26s)	Price
SET-3030131	5µl	SS	pk.6	FN	0.47mm (26s)	Price
SET-3030136	10µl	SS	ea.	FN	0.64mm (23s)	Price
SET-3030141	10µl	SS	pk.6	FN	0.64mm (23s)	Price
SET-3030135	10µl	SS	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-3030140	10µl	SS	pk.6	FN	0.64-0.47mm (23s-26s)	Price
SET-3030134	10µl	SS	ea.	FN	0.47mm (26s)	Price
SET-3030139	10µl	SS	pk.6	FN	0.47mm (26s)	Price
SET-3030163	10µl	PTFE	ea.	FN	0.47mm (26s)	Price
SET-3030167	10µl	PTFE	pk.6	FN	0.47mm (26s)	Price
SET-3030164	10µl	PTFE	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-3030168	10µl	PTFE	pk.6	FN	0.64-0.47mm (23s-26s)	Price
SET-3030169	25µl	PTFE	ea.	FN	0.64mm (23s)	Price
SET-3030170	50µl	PTFE	ea.	FN	0.64mm (23s)	Price
SET-3030171	100µl	PTFE	ea.	FN	0.64mm (23s)	Price
SET-3030174	25µl	PTFE	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-3030175	50µl	PTFE	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-3030176	100µl	PTFE	ea.	FN	0.64-0.47mm (23s-26s)	Price

Microsyringes 5µl-10µl - Point Style AS, Needle Length 42mm - Removable Needle

SET-3030129	5µl	SS	ea.	RN	0.47mm (26s)	Price
SET-3030130	5µl	SS	ea.	RN	0.64-0.47mm (23s-26s)	Price
SET-3030138	10µl	SS	ea.	RN	0.64mm (23s)	Price
SET-3030137	10µl	SS	ea.	RN	0.64-0.47mm (23s-26s)	Price
SET-3030166	10µl	PTFE	ea.	RN	0.64mm (23s)	Price
SET-3030165	10µl	PTFE	ea.	RN	0.64-0.47mm (23s-26s)	Price

L-MARK® CTC PAL 2 LC Autosampler Syringes



made
in
Germany

Part No.	Volume	Plunger Type	Qty.	Needle	OD (Gauge)	Price EUR
Microsyringes 10µl-5ml - Point Style b, Needle Length 51mm - Type LC						
SET-LMK.2106424	10µl	SS	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2606416	10µl	PTFE	ea.	FN	0.72mm (G22s) with knop	Price
SET-LMK.2620517	25µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2620517-2P	25µl	PTFE	pk.2	FN	0.72mm (G22s)	Price
SET-LMK.2620517-6P	25µl	PTFE	pk.6	FN	0.72mm (G22s)	Price
SET-LMK.2620615	50µl	PTFE	ea.	FN	0.72mm (G22)	Price
SET-LMK.2620615-2P	50µl	PTFE	pk.2	FN	0.72mm (G22)	Price
SET-LMK.2620615-6P	50µl	PTFE	pk.6	FN	0.72mm (G22)	Price
SET-LMK.2620719	100µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2620719-2P	100µl	PTFE	pk.2	FN	0.72mm (G22s)	Price
SET-LMK.2620719-6P	100µl	PTFE	pk.6	FN	0.72mm (G22s)	Price
SET-LMK.2620721	100µl	PTFE	ea.	FN	0.72mm (G22)	Price
SET-LMK.2620721-2P	100µl	PTFE	pk.2	FN	0.72mm (G22)	Price
SET-LMK.2620721-6P	100µl	PTFE	pk.6	FN	0.72mm (G22)	Price
SET-LMK.2620821	250µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2620908	500µl	PTFE	ea.	FN ¹⁾	0.72mm (G22)	Price
SET-LMK.2620011	1ml	PTFE LT	ea.	FN ²⁾	0.72mm (G22)	Price
SET-LMK.2620054	5ml	PTFE LT	ea.	FN ²⁾	1.1mm (G19)	Price

1) Needle Length 56mm

2) Needle Length 57mm

L-MARK® CTC Combi PAL GC Autosampler Syringes

Microsyringes 1.2µl-500µl - Point Style AS, Needle Length 51mm - Type GC

SET-LMK.2220001	1.2µl	SS	ea.	FN	0.48mm (G26P)	Price
SET-LMK.2220001-6P	1.2µl	SS	pk.6	FN	0.48mm (G26P)	Price
SET-LMK.2106303	5µl	SS	ea.	FN	0.64mm (G23s)	Price
SET-LMK.2106302	5µl	SS	ea.	FN	0.47mm (G26s)	Price
SET-LMK.2106403	10µl	SS	ea.	FN	0.64mm (G23s)	Price
SET-LMK.2106426	10µl	SS	ea.	FN	0.64-0.47mm (23s-26s)	Price
SET-LMK.2106416	10µl	SS	ea.	FN	0.47mm (G26s)	Price
SET-LMK.2106416-2P	10µl	SS	pk.2	FN	0.47mm (G26s)	Price
SET-LMK.2106416-6P	10µl	SS	pk.6	FN	0.47mm (G26s)	Price
SET-LMK.2606407	10µl	PTFE	ea.	FN	0.47mm (G26s)	Price
SET-LMK.2606403	10µl	PTFE	ea.	FN	0.64mm (G23s)	Price
SET-LMK.2620706	100µl	PTFE	ea.	FN	0.47mm (G26s)	Price
SET-LMK.2620706-2P	100µl	PTFE	pk.2	FN	0.47mm (G26s)	Price
SET-LMK.2620706-6P	100µl	PTFE	pk.6	FN	0.47mm (G26s)	Price
SET-LMK.2620803	250µl	PTFE	ea.	FN	0.47mm (G26)	Price
SET-LMK.2620903	500µl	PTFE	ea.	FN	0.47mm (G26)	Price

L-MARK® CTC PAL 3/RTC Autosampler Syringes



made
in
Germany

Part No.	Volume	Plunger Type	Qty.	Needle	OD (Gauge)	Price EUR
Microsyringes 10µl-1ml - Point Style AS, Needle Length 57mm - Type GC						
SET-LMK.2116405	10µl	SS D7	ea.	FN	0.64mm (23s)	Price
SET-LMK.2116404	10µl	SS D7	ea.	FN	0.47mm (26s)	Price
SET-LMK.2116406	10µl	SS D7	ea.	FN ¹⁾	0.47mm (26s)	Price
SET-LMK.2616405	10µl	PTFE D7	ea.	FN	0.64mm (23s)	Price
SET-LMK.2616404	10µl	PTFE D7	ea.	FN	0.47mm (26s)	Price
SET-LMK.2616703	100µl	PTFE D7	ea.	FN	0.47mm (26s)	Price
SET-LMK.2616803	250µl	PTFE	ea.	FN	0.47mm (26s)	Price
SET-LMK.2616804	250µl	PTFE	ea.	FN ¹⁾	0.47mm (26s)	Price
SET-LMK.2616003	1ml	PTFE	ea.	FN	0.64mm (23s)	Price

¹⁾ Needle Length 85mm

Microsyringes 10µl-1ml - Point Style b, Needle Length 57mm - Type LC						
SET-LMK.2616422	10µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2616502C	25µl	PTFE	ea.	FN	0.72mm (G22s) coated ²⁾	Price
SET-LMK.2616702C	100µl	PTFE	ea.	FN	0.72mm (G22s) coated ²⁾	Price
SET-LMK.2616704C	100µl	PTFE	ea.	FN	0.72mm (G22) coated ²⁾	Price
SET-LMK.2616822	250µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2616922	500µl	PTFE	ea.	FN	0.72mm (G22s)	Price
SET-LMK.2616012	1ml	PTFE	ea.	FN	0.72mm (G22s)	Price

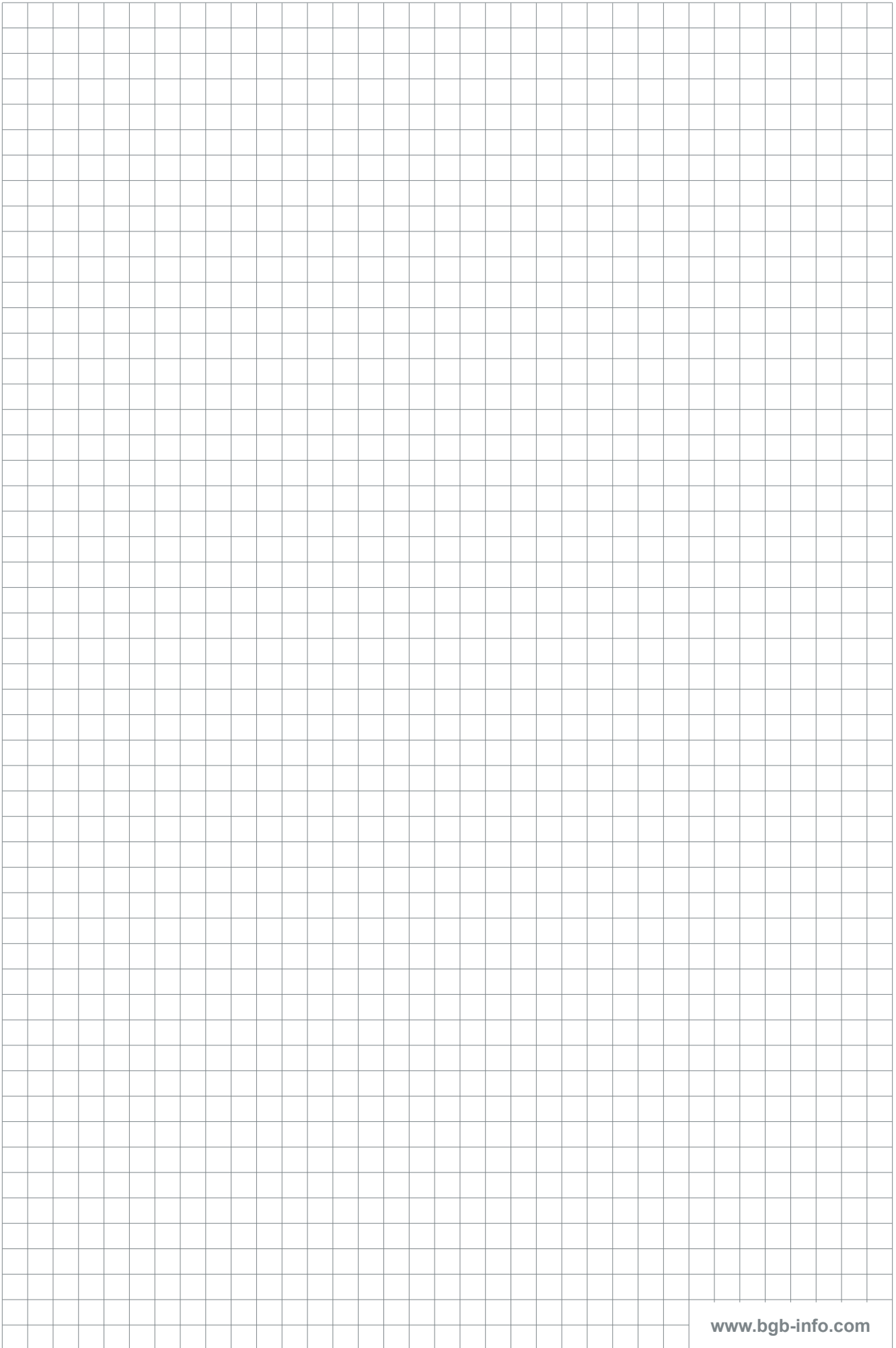
²⁾ hydrophobic, oleophobic coated syringe needle

Spark Holland Autosampler Syringes

The Spark Holland Autosampler Syringes work with the following manufacturers autosamplers:

- Spark Holland Midas, Triathlon, Endurance and Alias
- Beckmann Coulter 508
- Antec AS 100 and AS 110
- Grace/Alltech Model 580
- Dionex ESA Model 542, 540 and 540MT
- Agilent Pro Star

Part No.	Volume	Plunger Type	Qty.	Syringe Termination	Price EUR
SET-3010083	25µl	PTFE	ea.	1/4"-28 UNF	Price
SET-3010084	50µl	PTFE	ea.	1/4"-28 UNF	Price
SET-3010085	100µl	PTFE	ea.	1/4"-28 UNF	Price
SET-3010086	250µl	PTFE	ea.	1/4"-28 UNF	Price
SET-3010087	500µl	PTFE	ea.	1/4"-28 UNF	Price
SET-3010088	1ml	PTFE	ea.	1/4"-28 UNF	Price
SET-3010089	2.5ml	PTFE	ea.	1/4"-28 UNF	Price



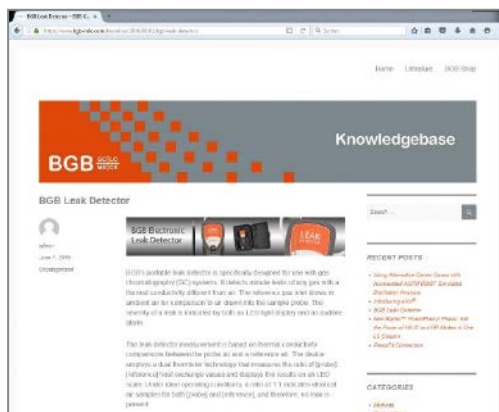
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