ANALYTICAL TECHNOLOGY SRL

Data: 01/05/2017

Consumabili per Gascromatografia

SETTI

Tabella dimensioni Setto

Strumento	Setto mm
Agilent (5880A, 5890, 6890, 6850, 7890	11
Agilent (5880, 5700)	9,5-10
Perkin Elmer (serie Sigma, Autosystem, Autosystem XL, Clarus	11
Thermo (8000, Trace, Focus)	17
Thermo (1300)	11
Shimadzu (tutti i modelli)	Plug
Varian (1075, 1077, 1078, 1079)	11,5
Varian (1177)	9

BTO (Bleed and Temperature Optimized)
Massima
Bassissimo spurgo
Precondizionati
Ogni batch viene testato con GC-FID
Ideale per GC-MS

Setti Diskobolus HSA
Ideali per l'analisi GC-MS
Massima temperatura d'esercizio: 350°C
Precondizionati e pronti all'uso
Forniti in contenitori di vetro per prevenire ogni contaminazione
Bassissimo spurgo

Setti Diskobolus AS
Ideali per gli autocampionatori
Garantiti per più di 200 iniezioni
Massima temperatura d'esercizio: 350°C
Precondizionati e pronti all'uso
Forniti in contenitori di vetro per prevenire ogni contaminazione
Bassissimo spurgo

Setti Thermogreen
Lunga durata
Massima temperatura d'esercizio: 400°éC
Bassissimo spurgo
Usi generali

Setti

Setti Diskobolus Longlife
Lunga durata
Massima temperatura d'esercizio: 400°C
Ideali per Autocampionatori
Durezza 45° shore

Ferrule

Ferrule in grafite (tipo corto) per Agilent 4890, 5890, 6890, 6850, 7890
Da 1/16" e fori da 0,4, 0,5, 0,8, 1,0mm e 1,16"

Ferrule in grafite (tipo lungo) per Agilent 4890, 5890, 6890, 6850, 7890
Da 1/16" e fori da 0,4, 0,5, 0,8, 1,0mm

Ferrule in grafite per Shimadzu
Per colonne con D.E. da 5mm

Ferrule M4 in grafite per Thermo
Con foro da 0,4, 0,5 e 0,8mm

Ferrule M8 in grafite per Thermo
Con foro da 0,5 e 0,8mm

Ferrule di riduzione in grafite da 1/8" e da 1/4"

Ferrule

Ferrule in vespel/grafite (tipo corto) da 1/16” per Agilent 4890, 5890, 6890, 6850, 7890
Con foro da 0,3, 0,4, 0,5 e 0,8mm

Ferrule in vespel/grafite (tipo lungo) da 1/16” per Agilent 4890, 5890, 6890, 6850, 7890
Con foro da 0,4, 0,5, 0,8 e 1,0mm

Ferrule di riduzione in grafite da 1/8” e da 1/4”

Ferrule da 1/16”, 1/8” e 1/4” in vespel per tubo da 1/16”, 1/8” e 1/16” D.E., set di 10

Gas Clean Filter

Filtro per umidità
Filtro per ossigeno
Filtro per idrocarburi
Filtro triplo
Filtro triplo con indicatore
Filtro triplo per He
Filtro triplo per H
Base a 1 posizione da 1/8”
Base a 2 posizione da 1/8”
Base a 3 posizione da 1/8”
Base a 4 posizione da 1/8”

Liner

SGE è il primo produttore mondiale di liner per strumentazione gascromatografica **Agilent, Thermo, Perkin Elmer, Shimadzu, Dani, Varian/Bruker.** Di seguito sono riportati alcuni esempi di liner. Per ulteriori informazioni non esitate a contattarci o andate sul nostro sito www.antec.it.

Inlet Liner Taper FocusLiner®

Inlet Liner Taper/Gooseneck

Inlet Liner Straight

Inlet Liner PTV/LVI

Inlet Liner FocusLiner®

Inlet Liner Double Taper

Inlet Liner ConnecTite

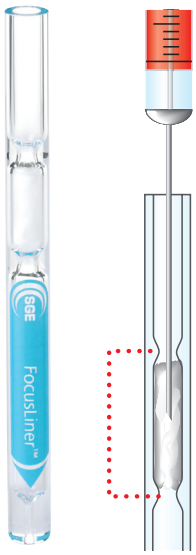
Injection Port | Inlet Liner Taper FocusLiner®

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified deactivation.



Color coded aqua.

Features and Benefits

- Bottom taper focuses sample onto the head of the column and minimizes contact with metal parts of the inlet.
- A taper at the top aids in minimizing sample flashback.
- Ensures quartz wool remains in the correct position in the liner.
- Excellent reproducibility results from the wiping of the sample from the syringe needle and the prevention of droplet formation.

Recommended Applications

The Taper FocusLiner® is recommended for the following sample or injection modes:

- Trace level analysis.
- Splitless.
- Dirty sample.
- Wide boiling point range.

Product Specifications

Taper FocusLiner available for Agilent, PerkinElmer, Shimadzu, Thermo Scientific, and Varian/Bruker injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent	78.5	6.3	4
Agilent	78.5	6.3	2.3
PerkinElmer	92	6.2	4
Shimadzu	99	5	3.4
Shimadzu	95	5	3.4
Thermo	105	8	5
Thermo	78.5	6.3	4
Thermo	78.5	6.3	2.3
Varian/Bruker	78.5	6.3	2.3
Varian/Bruker	54	5	3.4
Varian/Bruker	72	6.3	4

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Injection Port | Inlet Liner Double Taper

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified deactivation.

Color coded yellow.

Features and Benefits

- Bottom taper minimizes contact with metal parts of the inlet and focuses sample onto the head of the column.
- Top taper aids in minimizing sample flashback.

Recommended Applications

Double Taper liners are recommended for the following sample or injection modes:

- Trace level analyses.
- Splitless.
- Low boiling point compounds.
- Active compounds.

Product Specifications

Double taper available for Agilent, Thermo Scientific, and Varian/Bruker 1177 & 1078/1079 injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent	78.5	6.3	4
Thermo	105	8	5
Thermo	78.5	6.3	4
Varian/Bruker	78.5	6.3	4
Varian/Bruker	54	5	3.4

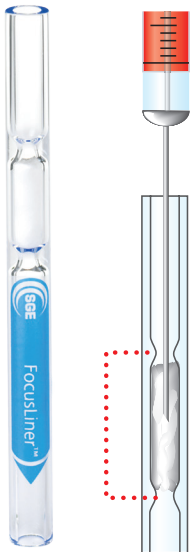
Injection Port | Inlet Liner FocusLiner®

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified deactivation.



Color coded blue.

Features and Benefits

The SGE FocusLiner® uses a unique design to hold the quartz wool in the correct position.

- Two focus points in the liner ensures quartz wool remains in the optimum location.
- The wiping of the needle by the quartz wool prevents droplet formation ensuring excellent reproducibility.
- The presence of the quartz wool improves vaporization minimizing high molecular weight discrimination.

Recommended Applications

The FocusLiner is recommended for the following sample or injection modes:

- General purpose.
- Concentrated samples.
- Dirty samples.
- Split/Splitless injection mode.

Product Specifications

FocusLiner available for Agilent, PerkinElmer, Shimadzu, Thermo Scientific, and Bruker/Varian injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent	78.5	6.3	4
Agilent	78.5	6.3	2.3
Bruker/Varian	78.5	6.3	4
Bruker/Varian	78.5	6.3	2.3
Bruker/Varian	74	6.3	4
Bruker/Varian	72	6.3	4
Bruker/Varian	72	6.3	2.3
Bruker/Varian	54	5	3.4
PerkinElmer	92	6.2	4
PerkinElmer	86.2	4	2
Shimadzu	99	5	3.4
Shimadzu	95	5	3.4
Thermo	105	8	5
Thermo	78.5	6.3	4
Thermo	78.5	6.3	2.3

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Injection Port | Inlet Liner PTV/LVI

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

Features and Benefits

- PTV and LVI liners generally have sintered glass beads or powder to increase the surface area and trap nonvolatile residue.
- PTV liners use baffles or a wisp of quartz wool to aid in vaporization of samples and retain droplets during low temperature injections.
- Side hole needles are recommended for these techniques to ensure effective distribution of sample within the liner.

Recommended Applications

PTV/LVI liners are recommended for the following sample or injection modes:

- Trace level analyses.
- PTV/LVI.
- Large volume Injections.

Product Specifications

PTV/LVI liners available for Agilent/Gerstel, PerkinElmer, Shimadzu 2010 injector, Thermo Scientific, and Varian/Bruker 1078/1079 injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent/Gerstel	71	3	1.8
PerkinElmer	86.2	4	2
Shimadzu	95	3.1	1.5
Thermo	120	2.75	1.75
Thermo	120	2.75	0.78/1.8
Varian/Bruker	54	5	1.8/3.4

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Injection Port | Inlet Liner Straight

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified deactivation.

Color coded purple.

Features and Benefits

- Straight liners facilitate higher split flows.
- Narrow bore straight liners facilitate fast GC work.
- Small injection volumes of less than 0.5 µL are best used.
- Narrow bore straight liners improve focusing of gaseous samples (purge, trap and headspace).

Recommended Applications

Straight liners are recommended for the following sample or injection modes:

- General purpose.
- Concentrated samples.
- Dirty samples (only if quartz wool is present).
- Gaseous samples.
- Purge and trap.
- Headspace.
- Split/splitless.

Product Specifications

Straight liners available for Agilent, PerkinElmer, Shimadzu 2010, 17A, 2014 and 2025 injectors, Thermo Scientific, and Varian/Bruker 1177 & 1078/1079 injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent	78.5	6.3	4
Agilent	78.5	6.3	1.2
Agilent	78.5	6.3	2
PerkinElmer	92	6.2	4
PerkinElmer	92	6.2	2
PerkinElmer	86.2	4	2
PerkinElmer	112	6	3
PerkinElmer	100	5	3
Shimadzu	95	5	2.6
Shimadzu	95	5	3.4
Thermo	105	8	3
Thermo	105	8	5
Thermo	78.5	6.3	4
Varian/Bruker	78.5	6.3	4
Varian/Bruker	78.5	6.3	1.2
Varian/Bruker	54	5	0.5

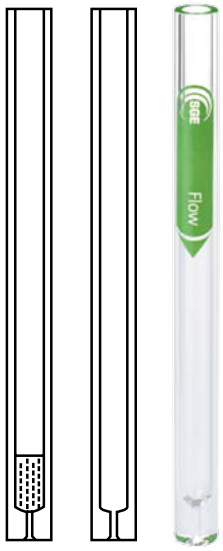
Injection Port | Inlet Liner Taper/Gooseneck

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified standard deactivation, or TI deactivation for GC-MS.



Color coded green.

Features and Benefits

- A bottom taper focuses sample onto the head of the column and minimizes sample contact with metal parts of the inlet.
- A taper at the top aids in minimizing sample flashback.
- Remember – the addition of quartz wool to your inlet liner promotes mixing of analytes, aids the vaporization of liquid samples, works as a trap to collect non-volatile residue in the sample (i.e. protects capillary column from 'dirty' samples).
- TI deactivated liners are optimized for EPA8270 method and are pre-fitted with an o-ring to minimize handling.

Recommended Applications

Taper / Gooseneck liners are recommended for the following sample or injection modes:

- Trace level analysis
- Active Samples
- Split/Splitless injection types

Product Specifications

Injector	Length (mm)	OD (mm)	ID (mm)
Bottom Taper available for Agilent, PerkinElmer, Shimadzu, Thermo Scientific, and Varian/Bruker 1177 and 1078/1079 injectors			
Agilent	78.5	6.3	4
Agilent	78.5	6.3	2.3
PerkinElmer	92	6.2	4
Shimadzu	99	5	3.4
Shimadzu	95	5	3.4
Thermo	105	8	5
Thermo	105	8	3
Thermo	78.5	6.3	4
Thermo	78.5	6.3	2.3
Varian/Bruker	78.5	6.3	4
Varian/Bruker	78.5	6.3	2.3
Varian/Bruker	54	5	3.4
Top Taper available for Agilent, PerkinElmer 8000 & Sigma Series, Thermo Scientific, and Varian/Bruker 1177, 1075/1077 & 1078/1079 injectors			
Agilent	78.5	6.3	4
PerkinElmer	100	5	2
Shimadzu	99	5	3.4
Thermo	105	8	5
Thermo	78.5	6.3	4
Varian/Bruker	78.5	6.3	4
Varian/Bruker	72	6.3	4
Varian/Bruker	74	6.3	4
Varian/Bruker	74	6.3	2
Varian/Bruker	54	5	1.8 / 3.4
Gooseneck available for Agilent, Shimadzu, and Varian/Bruker 1177 injectors			
Agilent	78.5	6.3	4
Agilent	78.5	6.3	2.3
Shimadzu	99	5	3.4
Shimadzu	95	5	3.4
Varian/Bruker	78.5	6.3	4
Varian/Bruker	78.5	6.3	2

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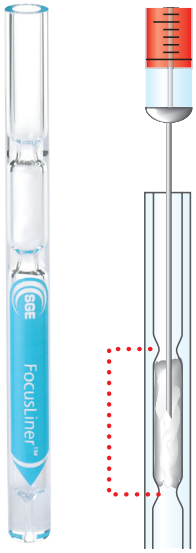
Injection Port | Inlet Liner Taper FocusLiner®

Spot the Difference in the SGE Lineup!

The SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner.

Choosing the right inlet liner and injection parameters can increase peak areas and reduce detection limits by up to 300 %.

- Easy to choose - color coded by geometry to simplify your selection.
- Easy to use - contains o-rings so you're ready to go.
- Confidence in your analysis - certified deactivation.



Color coded aqua.

Features and Benefits

- Bottom taper focuses sample onto the head of the column and minimizes contact with metal parts of the inlet.
- A taper at the top aids in minimizing sample flashback.
- Ensures quartz wool remains in the correct position in the liner.
- Excellent reproducibility results from the wiping of the sample from the syringe needle and the prevention of droplet formation.

Recommended Applications

The Taper FocusLiner® is recommended for the following sample or injection modes:

- Trace level analysis.
- Splitless.
- Dirty sample.
- Wide boiling point range.

Product Specifications

Taper FocusLiner available for Agilent, PerkinElmer, Shimadzu, Thermo Scientific, and Varian/Bruker injectors.

Injector	Length (mm)	OD (mm)	ID (mm)
Agilent	78.5	6.3	4
Agilent	78.5	6.3	2.3
PerkinElmer	92	6.2	4
Shimadzu	99	5	3.4
Shimadzu	95	5	3.4
Thermo	105	8	5
Thermo	78.5	6.3	4
Thermo	78.5	6.3	2.3
Varian/Bruker	78.5	6.3	2.3
Varian/Bruker	54	5	3.4
Varian/Bruker	72	6.3	4

Injection Port | Inlet Liner Taper/Gooseneck

Spot the Difference in the SGE Lineup!

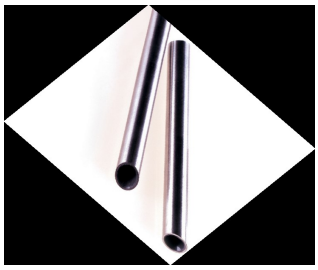
Part Number	Part Description and Detail
Agilent	
09201301	Agilent Inlet Liner Gooseneck 2 mm ID, Length 78.5 mm PK1
092013	Agilent Inlet Liners Gooseneck 2 mm ID, Length 78.5 mm PK5
09201001	Agilent Inlet Liner Gooseneck with Quartz Wool 4 mm ID, Length 78.5 mm PK1
092010	Agilent Inlet Liners Gooseneck with Quartz Wool 4 mm ID, Length 78.5 mm PK5
092223	Agilent Inlet Liners Gooseneck with Quartz Wool 4 mm ID, Length 78.5 mm PK25
09201701	Agilent Inlet Liner Tapered 4 mm ID, Length 78.5 mm PK1
092017	Agilent Inlet Liners Tapered 4 mm ID, Length 78.5 mm PK5
092229	Agilent Inlet Liners Tapered 4 mm ID, Length 78.5 mm PK25
09201901	Agilent Inlet Liner Tapered with Quartz Wool 4 mm ID, Length 78.5 mm PK1
092019	Agilent Inlet Liners Tapered with Quartz Wool 4 mm ID, Length 78.5 mm PK5
092218	Agilent Inlet Liners Tapered with Quartz Wool 4 mm ID, Length 78.5 mm PK25
0926201901	Agilent Inlet Liner Tapered with Quartz Wool Pre-fitted O-ring and T1 Deactivation 4 mm ID, Length 78.5 mm PK1
09262019	Agilent Inlet Liners Tapered with Quartz Wool Pre-fitted O-ring and T1 Deactivation 4 mm ID, Length 78.5 mm PK5
Bruker/Varian	
09202401	Bruker/Varian 1075/1077 Inlet Liner Restricted 2 mm ID, Length 74 mm PK1
092024	Bruker/Varian 1075/1077 Inlet Liners Restricted 2 mm ID, Length 74 mm PK5
092228	Bruker/Varian 1075/1077 Inlet Liners Restricted 2 mm ID, Length 74 mm PK25
09202101	Bruker/Varian 1075/1077 Inlet Liner Restricted with Quartz Wool 4 mm ID, Length 72 mm PK1
092021	Bruker/Varian 1075/1077 Inlet Liners Restricted with Quartz Wool 4 mm ID, Length 72 mm PK5
09222125	Bruker/Varian 1075/1077 Inlet Liners Restricted with Quartz Wool 4 mm ID, Length 72 mm PK25
09203801	Bruker/Varian 1078/1079 Inlet Liner Tapered 3.4 mm ID, Length 54 mm PK1
092038	Bruker/Varian 1078/1079 Inlet Liners Tapered 3.4 mm ID, Length 54 mm PK5
09203825	Bruker/Varian 1078/1079 Inlet Liners Tapered 3.4 mm ID, Length 54 mm PK25
09203901	Bruker/Varian 1078/1079 Inlet Liner Tapered 2 mm ID, Length 54 mm PK1
092039	Bruker/Varian 1078/1079 Inlet Liners Tapered 2 mm ID, Length 54 mm PK5
Dani	
092504	Dani Inlet Liners Tapered 4 mm ID, Length 70 mm PK5
092505	Dani Inlet Liners Tapered with Quartz Wool 4 mm ID, Length 70 mm PK5
Optic	
09227301	Optic Inlet Liner with Frit 3 mm ID, Length 81 mm PK1
092273	Optic Inlet Liners with Frit 3 mm ID, Length 81 mm PK5
PerkinElmer	
09209701	PerkinElmer Inlet Liner PTV Gooseneck 1 mm ID, Length 88 mm PK1
092097	PerkinElmer Inlet Liners PTV Gooseneck 1 mm ID, Length 88 mm PK5
09209401	PerkinElmer Inlet Liner Tapered 2 mm ID, Length 100 mm PK1 (for 5000 and Sigma Series)
09209101	PerkinElmer Inlet Liner Gooseneck 3 mm ID, Length 100 mm PK1 (for 5000 and Sigma Series)
092091	PerkinElmer Inlet Liners Gooseneck 3 mm ID, Length 100 mm PK5 (for 5000 and Sigma Series)
09209901	PerkinElmer Inlet Liner Tapered 4 mm ID, Length 92 mm PK1
0920990	PerkinElmer Inlet Liners Tapered 4 mm ID, Length 92 mm PK5
Shimadzu	
09208701	Shimadzu 2010/17A Inlet Liner Tapered 2.6 mm ID, Length 95 mm PK1
092087	Shimadzu 2010/17A Inlet Liners Tapered 2.6 mm ID, Length 95 mm PK5
09208501	Shimadzu 2010/17A Inlet Liner Gooseneck 3.4 mm ID, Length 95 mm PK1
092085	Shimadzu 2010/17A Inlet Liners Gooseneck 3.4 mm ID, Length 95 mm PK5
09208525	Shimadzu 2010/17A Inlet Liners Gooseneck 3.4 mm ID, Length 95 mm PK25
09206101	Shimadzu 2010/17A Inlet Liner Gooseneck with Quartz Wool 3.4 mm ID, Length 95 mm PK1
092061	Shimadzu 2010/17A Inlet Liners Gooseneck with Quartz Wool 3.4 mm ID, Length 95 mm PK5
09207101	Shimadzu 2010/17A Inlet Liner Tapered 3.4 mm ID, Length 95 mm PK1
092071	Shimadzu 2010/17A Inlet Liners Tapered 3.4 mm ID, Length 95 mm PK5
09207701	Shimadzu 2010/17A Inlet Liner Gooseneck 3.4 mm ID, Length 95 mm PK1
092077	Shimadzu 2010/17A Inlet Liners Gooseneck 3.4 mm ID, Length 95 mm PK5
092083101	Shimadzu 14 Inlet Liner Tapered 3.4 mm ID, Length 99 mm PK1
0920831	Shimadzu 14 Inlet Liners Tapered 3.4 mm ID, Length 99 mm PK5
092083125	Shimadzu 14 Inlet Liners Tapered 3.4 mm ID, Length 99 mm PK25
09208201	Shimadzu 14 Inlet Liner Mid-Gooseneck 3.4 mm ID, Length 99 mm PK1
092082	Shimadzu 14 Inlet Liners Mid-Gooseneck 3.4 mm ID, Length 99 mm PK5
Thermo Scientific	
09214101	Thermo Scientific Inlet Liner Tapered 3 mm ID, Length 105 mm PK1
09214125	Thermo Scientific Inlet Liners Tapered 3 mm ID, Length 105 mm PK25
09214401	Thermo Scientific Inlet Liner Tapered 5 mm ID, Length 105 mm PK1
092144	Thermo Scientific Inlet Liners Tapered 5 mm ID, Length 105 mm PK5
09214425	Thermo Scientific Inlet Liners Tapered 5 mm ID, Length 105 mm PK25

Note - Bruker/Varian 1077 injectors and Thermo Trace 1300 series use 78.5 mm "Agilent" Liners

Tubi e connessioni

Tubi in silice fusa disattivata e non di tutti i diametri

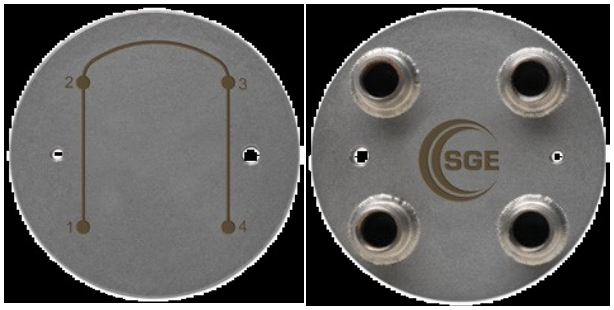
Tubi in acciaio da 1/32”, 1/16” e 1/8” passivati



Tubi in acciaio glass-lined da 1/16”, 1/8”, 1/4” e 1/2”

Ghiere in acciao da 1/16”, 1/8” e 1/4”

Unioni dritte, di riduzione, a 3 vie e a 4 vie
Miniunioni e miniunioni SilTite



GC 3/4 Port Splitter SilFlow®
Chimicamente inerte
Basso volume.morto
Eccezionale stabilità.
Facile da installare

Ideale per il column splitting, il detector splitting e il backflushing