



## BGB Flash Cartridges

- Ultra-pure silica-based material
- Available in High Performance Si, C18, CN, Amino, Diol & HILIC
- Dedicated 300Å wide pore materials in C4, C8 and C18 for peptides and proteins purification
- Pressure up to 27 bar (400 psi)
- Pharmaceutical-grade polypropylene body
- Compatible with all instruments on the market



## BGB® Flash Cartridges

are ultra-pure silica-based flash cartridges with tight particle size distribution and high surface area. Available in 50µm and 30µm particle size for difficult separation. Pressure-rated up to 27 bar (400 psi) for high flow rate and fast purification. Reduction of purification time by 40-60%. More concentrated fractions for easy evaporation and less solvent consumption.

### Features include

- 100% guaranteed leak-free.
- Body in pharmaceutical-grade polypropylene.
- Closed-top spin-welded technology for standard hardware sizes. Pressure up to 27 bar (400 psi).
- Possibility of working at high flow rates for fast purifications.
- Available in 800 g, 1.6 kg and 3 kg formats.
- Luer and/or luer-lock connection for standard hardware types.
- Packed with ultra-pure silica-based material.
- Available in Silica, C18, Cyano (CN), Diol (OH), Amino (NH<sub>2</sub>) and HILIC-D.
- Excellent lot-to-lot reproducibility.



### Compatibility

BGB® Flash Cartridges are compatible with all instruments on the market: Agela, Analogix, Armen Instrument, Biotage, Büchi, ECOM, GE ÄKTA, Gilson, Grace, Interchim Puriflash, Teledyne Isco, Yamazen, etc.

Different adapters are available. Please see on pages 10 and 11 or refer to [www.bgb-shop.com/luer-adapters](http://www.bgb-shop.com/luer-adapters).

### Pressure limit

BGB® Flash Cartridges use a spin-welded technology that makes it possible to use the column up to 27 bar (400psi) depending on column size. Please refer to the maximum pressure specified on each column and never exceed this value.

### Easy-Multi-Luer Outlet

BGB® Flash Cartridges in hardware W004 to W330 have a female luer-lock inlet and an Easy-Multi-Luer outlet (figure 2). To get a male luer tip, just remove the orange plug by pulling it down (figure 1). To have a luer-lock connection, simply unscrew the luer fitting by using the orange plug as a tool (figure 3).



Figure 1



Figure 2



Figure 3

### Report Sheet

All boxes of BGB® Flash Cartridges contain a report sheet. Every lot of filling material is tested to ensure good lot-to-lot reproducibility and the highest quality standard.

### Label

Each BGB® Flash Cartridge comes with a label including a full description of the phase with lot number and indicating the best parameters for column use as flow rate, maximum pressure and sample loading (figure 4).

### Storage before use

Before use, store the cartridges in a dry place, away from light and dust, and at room temperature. The orange plugs must not be removed before the first use.

### Conditioning

This stage is crucial to achieve the maximum performance of your column. It activates the silica and removes the air from the cartridge. For optimum purification, this step must be performed prior to the sample load. Rinse the column with 3 to 5 column volumes depending on the phase and the column size. Generally, the solvent (or mixture of solvents) for this step is the one used at the beginning of the purification.

**BE CAREFUL**, and note that the use of a strong eluent for the conditioning will result in poor separation because of the high affinity of the solvent for the compounds to be purified. Depending of the solvent (or mixture of solvents) used, a normal heating phenomena can appear during this stage. To minimize this effect, and avoid a too much temperature increase, we strongly recommend to be at the lowest part of the flow rate range mentioned on the column. Drying the cartridge after the conditioning step will also result in a loss of column performance.

### Storage after use

Normal-phase silica cartridges are single use columns and should not be stored or re-used.

For the bonded phases C18, Cyano (CN), Diol (OH), Amino (NH<sub>2</sub>) and HILIC please refer to the table below.

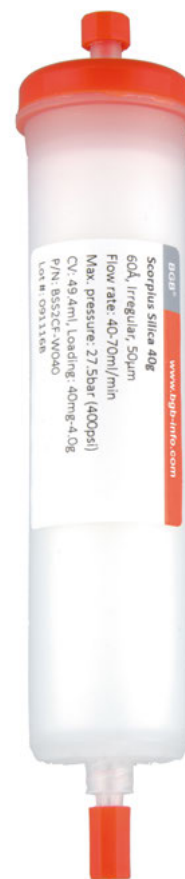
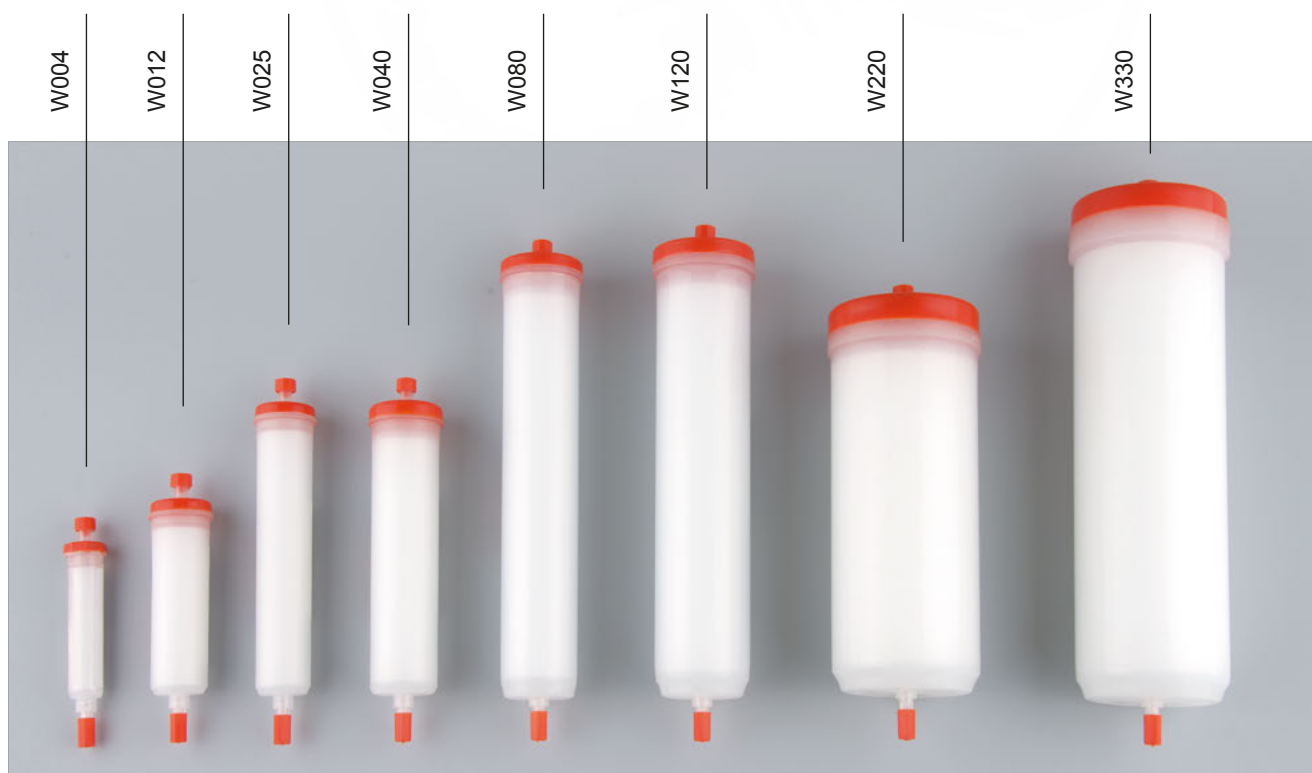


Figure 4

Stationary Phase	Conditioning		Cleaning	Storage conditions	
				Short-term storage	Long-term storage
Scorpilus C18e-HP	Rinse 3 to 4 column volumes with a mixture of 70 % water / 30 % ACN or 80 % water / 20 % MeOH. A minimum of 3 % organic is necessary to keep the activation.		Rinse 3 to 4 column volumes with the strongest solvent (100 %) to remove impurities.	Rinse the column with miscible solvents to reach at least 20 to 25 % of organic as ACN, MeOH, EtOH, iPrOH	Flush the column with miscible solvents to reach at least 50 % ACN (or MeOH) and 50 % water or 100 % iPrOH
Scorpilus Cyano Scorpilus Diol Scorpilus Amino	<b>Normal-phase mode:</b> Rinse 3 to 4 column volumes with 100 % heptane.	<b>Reverse-phase mode:</b> Rinse 3 to 4 column volumes with a mixture of 70 % water / 30 % ACN or 80 % water / 20 % MeOH. A minimum of 3 % of organic is necessary to keep the activation.	Rinse 3 to 4 column volumes with the strongest solvent (100 %) to remove impurities.	Rinse with 6 to 8 column volumes miscible solvents to reach at least 20 to 25 % ACN or iPrOH	Flush the column with 6 to 8 column volumes with miscible solvents to reach at least 50 % ACN (or MeOH) and 50 % water or 100 % iPrOH
Aquarius HILIC-D	Rinse 3 to 4 column volumes with a mixture of 70 % ACN / 30 % water.		Rinse 3 to 4 column volumes with the strongest solvent (100 %) to remove impurities.	Rinse 6 to 8 column volumes with miscible solvents to reach at least 70 % ACN.	Flush with 6 to 8 column volumes with miscible solvents to reach 100 % ACN.

Please note that the orange plugs at the inlet and at the outlet of the cartridge must always be in place to avoid solvent evaporation.

## Cartridge Hardware Standard Sizes (Spin-Welded Technology)

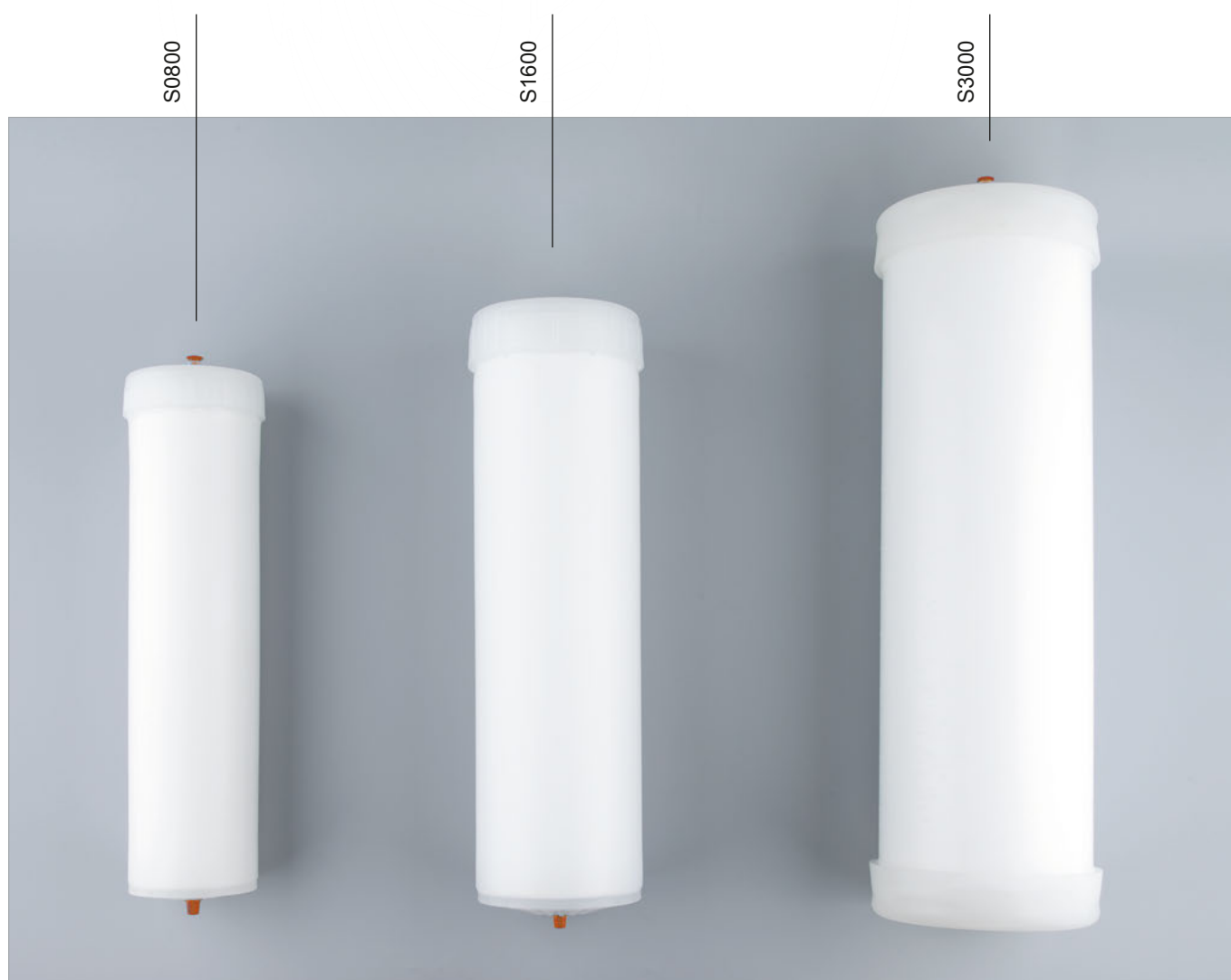


### Hardware Parameters

Hardware type	Inner Diameter	Bed Length	Column Volume	Max. Pressure	Frits*	50 µm Particle size	30 µm Particle size
W004	12.4 mm	56 mm	5.1 ml	27.5 bar (400 psi)	Top Frit	16-20 µm	16-20 µm
					Bottom Frit	16-20 µm	5-10 µm
W012	21.4 mm	73 mm	19.7 ml	27.5 bar (400 psi)	Top Frit	16-20 µm	16-20 µm
					Bottom Frit	16-20 µm	5-10 µm
W025	21.4 mm	123.5 mm	33.3 ml	27.5 bar (400 psi)	Top Frit	16-20 µm	16-20 µm
					Bottom Frit	16-20 µm	5-10 µm
W040	26.7 mm	117.6 mm	49.4 ml	27.5 bar (400 psi)	Top Frit	16-20 µm	16-20 µm
					Bottom Frit	16-20 µm	5-10 µm
W080	31.2 mm	185 mm	106 ml	24.0 bar (350 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm
W120	38.6 mm	189 mm	165.8 ml	20.5 bar (300 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm
W220	61.4 mm	139.5 mm	309.6 ml	20.5 bar (300 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm
W330	61.4 mm	199.2 mm	442.1 ml	17.0 bar (250 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm

\* All frits are made of polyethylene (PE).

## Cartridge Hardware Large-Scale Purification

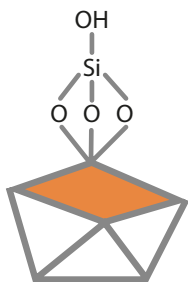


### Hardware Parameters

Hardware type	Inner Diameter	Bed Length	Column Volume	Max. Pressure	Frits*	50 µm Particle size	30 µm Particle size
S0800	78.2mm	313.3mm	1128 ml	6.9 bar (100 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm
S1600	103.8mm	353.7mm	2244 ml	6.9 bar (100psi)	Top Frit	20-25 µm	16-2 µm
					Bottom Frit	20-25 µm	5-10 µm
S3000	127.5mm	418.0mm	4000 ml	6.9 bar (100 psi)	Top Frit	20-25 µm	16-20 µm
					Bottom Frit	20-25 µm	5-10 µm

\* All frits are made of polyethylene (PE).

## High-Performance BGB Scorpius Flash Cartridges, Silica (Si), Irregular



**Phase:** Irregular Ultra-Pure Silica

**Particle Size:** 50  $\mu\text{m}$

**Pore Size:** 60  $\text{\AA}$

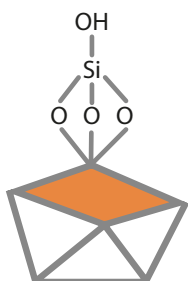
**Surface Area:** 500  $\text{m}^2/\text{g}$

**Endcapped:** no

**Carbon Load:** n.a.



Part No.	Description	Qty.
BSS2CF-W004	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 4 g	pk.20
BSS2CF-W012	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 12 g	pk.18
BSS2CF-W025	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 25 g	pk.12
BSS2CF-W040	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 40 g	pk.12
BSS2CF-W080	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 80 g	pk.10
BSS2CF-W120	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 120 g	pk.10
BSS2CF-W220	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 220 g	pk.6
BSS2CF-W330	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 330 g	pk.5
BSS2CF-S0800	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 800 g	ea.
BSS2CF-S1600	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 1.6 kg	ea.
BSS2CF-S3000	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 50 $\mu\text{m}$ , 3 kg	ea.



**Phase:** Irregular Ultra-Pure Silica

**Particle Size:** 30  $\mu\text{m}$

**Pore Size:** 60  $\text{\AA}$

**Surface Area:** 500  $\text{m}^2/\text{g}$

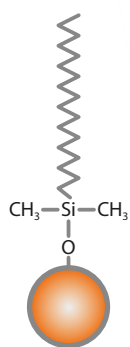
**Endcapped:** no

**Carbon Load:** n.a.



Part No.	Description	Qty.
BSS2AF-W004	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 4 g	pk.20
BSS2AF-W012	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 12 g	pk.18
BSS2AF-W025	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 25 g	pk.12
BSS2AF-W040	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 40 g	pk.12
BSS2AF-W080	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 80 g	pk.10
BSS2AF-W120	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 120 g	pk.10
BSS2AF-W220	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 220 g	pk.6
BSS2AF-W330	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 330 g	pk.5
BSS2AF-S0800	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 800 g	ea.
BSS2AF-S1600	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 1.6 kg	ea.
BSS2AF-S3000	BGB Scorpius Flash Cartridge, Silica 60 $\text{\AA}$ , Irregular 30 $\mu\text{m}$ , 3 kg	ea.

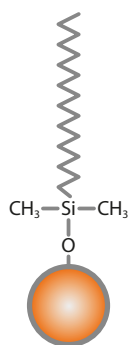
## High-Performance BGB Scorpius Flash Cartridges, C18, Spherical



<b>Phase:</b>	Spherical Ultra-Pure C18 Bonded Silica
<b>Particle Size:</b>	50 $\mu\text{m}$
<b>Pore Size:</b>	120 $\text{\AA}$
<b>Surface Area:</b>	300 $\text{m}^2/\text{g}$
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	17 %



Part No.	Description	Qty.
BSC1CF-W004	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 4.5 g	pk.2
BSC1CF-W012	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 18 g	ea.
BSC1CF-W025	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 28 g	ea.
BSC1CF-W040	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 40 g	ea.
BSC1CF-W080	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 90 g	ea.
BSC1CF-W120	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 130 g	ea.
BSC1CF-W220	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 245 g	ea.
BSC1CF-W330	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 350 g	ea.
BSC1CF-S0800	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 900 g	ea.
BSC1CF-S1600	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 1.78 kg	ea.
BSC1CF-S3000	BGB Scorpius Flash Cartridge, C18e-HP 120 $\text{\AA}$ , Spherical 50 $\mu\text{m}$ , 3.2 kg	ea.

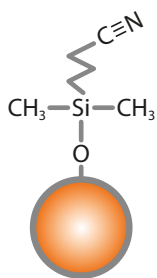


<b>Phase:</b>	Spherical Ultra-Pure C18 Bonded Silica
<b>Particle Size:</b>	30 $\mu\text{m}$
<b>Pore Size:</b>	100 $\text{\AA}$
<b>Surface Area:</b>	320 $\text{m}^2/\text{g}$
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	17 %



Part No.	Description	Qty.
BSE1AF-W004	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 5.4 g	pk.2
BSE1AF-W012	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 20 g	ea.
BSE1AF-W025	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 33 g	ea.
BSE1AF-W040	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 48 g	ea.
BSE1AF-W080	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 105 g	ea.
BSE1AF-W120	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 155 g	ea.
BSE1AF-W220	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 300 g	ea.
BSE1AF-W330	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 420 g	ea.
BSE1AF-S0800	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 1.08 kg	ea.
BSE1AF-S1600	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 2.14 kg	ea.
BSE1AF-S3000	BGB Scorpius Flash Cartridge, C18e-HP 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 3.83 kg	ea.

## High-Performance BGB Scorpius Flash Cartridges, Cyano (CN), Spherical

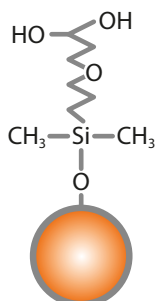


<b>Phase:</b>	Spherical Ultra-Pure Cyano (CN) Bonded Silica
<b>Particle Size:</b>	30 $\mu\text{m}$
<b>Pore Size:</b>	100 $\text{\AA}$
<b>Surface Area:</b>	320 $\text{m}^2/\text{g}$
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	5.5%



Part No.	Description	Qty.
BSCNAF-W004	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 5.4 g	pk.2
BSCNAF-W012	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 20 g	ea.
BSCNAF-W025	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 33 g	ea.
BSCNAF-W040	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 48 g	ea.
BSCNAF-W080	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 105 g	ea.
BSCNAF-W120	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 155 g	ea.
BSCNAF-W220	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 300 g	ea.
BSCNAF-W330	BGB Scorpius Flash Cartridge, Cyano (CN) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 420 g	ea.

## High-Performance BGB Scorpius Flash Cartridges, Diol (OH), Spherical



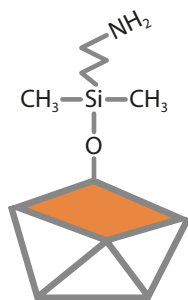
<b>Phase:</b>	Spherical Ultra-Pure Diol Bonded Silica
<b>Particle Size:</b>	30 $\mu\text{m}$
<b>Pore Size:</b>	100 $\text{\AA}$
<b>Surface Area:</b>	320 $\text{m}^2/\text{g}$
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	5%



Part No.	Description	Qty.
BSOHAF-W004	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 5.4 g	pk.2
BSOHAF-W012	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 20 g	ea.
BSOHAF-W025	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 33 g	ea.
BSOHAF-W040	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 48 g	ea.
BSOHAF-W080	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 105 g	ea.
BSOHAF-W120	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 155 g	ea.
BSOHAF-W220	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 300 g	ea.
BSOHAF-W330	BGB Scorpius Flash Cartridge, Diol (OH) 100 $\text{\AA}$ , Spherical 30 $\mu\text{m}$ , 420 g	ea.



## High-Performance BGB Scorpius Flash Cartridges, Amino (NH<sub>2</sub>), Irregular



<b>Phase:</b>	Irregular Ultra-Pure Amino Bonded Silica
<b>Particle Size:</b>	50 μm
<b>Pore Size:</b>	60 Å
<b>Surface Area:</b>	500 m <sup>2</sup> /g
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	5 %



Part No.	Description	Qty.
BSNHAF-W004	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 5.9g	pk.2
BSNHAF-W012	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 23g	ea.
BSNHAF-W025	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 38g	ea.
BSNHAF-W040	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 55g	ea.
BSNHAF-W080	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 122g	ea.
BSNHAF-W120	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 180g	ea.
BSNHAF-W220	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 340g	ea.
BSNHAF-W330	BGB Scorpius Flash Cartridge, Amino (NH <sub>2</sub> ) 60 Å, Irregular 50 μm, 475g	ea.

## High-Performance BGB Aquarius Flash Cartridges, HILIC-D, Spherical



proprietary

<b>Phase:</b>	Spherical Ultra-Pure HILIC-D Bonded Silica
<b>Particle Size:</b>	30 μm
<b>Pore Size:</b>	100 Å
<b>Surface Area:</b>	320 m <sup>2</sup> /g
<b>Endcapped:</b>	yes
<b>Carbon Load:</b>	5 %



Part No.	Description	Qty.
BAHDAF-W004	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 5.4g	pk.2
BAHDAF-W012	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 20g	ea.
BAHDAF-W025	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 33g	ea.
BAHDAF-W040	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 48g	ea.
BAHDAF-W080	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 105g	ea.
BAHDAF-W120	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 155g	ea.
BAHDAF-W220	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 300g	ea.
BAHDAF-W330	BGB Aquarius Flash Cartridge, HILIC-D 100 Å, Spherical 30 μm, 420g	ea.

## Adapters for S0800, S1600 and S3000 Flash Column Hardware



Stainless-Steel adapter for inlet port



PEEK adapter for outlet port

These adapters (stainless-steel luer-lock inlet and PEEK luer outlet) have to be used with BGB® column hardware S800, S1600 and S3000 (please see page 5). They can be connected to any kind of luer connection.

**Luer-lock inlet:** The stainless-steel inlet adapter is designed with a thread on half of the length and a smooth part on the other half. The thread is supposed to fit into the plastic when you screw in (figure 6). You have to screw it until the smooth part is engaged a few millimeters deep to insure a truly leak-free connection (figure 7). This can be installed by hand and needs to be screwed in manually.

**Luer outlet:** The PEEK outlet adapter has to be firmly inserted into the column outlet to insure a truly leak-free connection (figure 9).

How to connect your large-scale cartridge to luer connections.



Figure 5



Figure 6



Figure 7



Figure 8

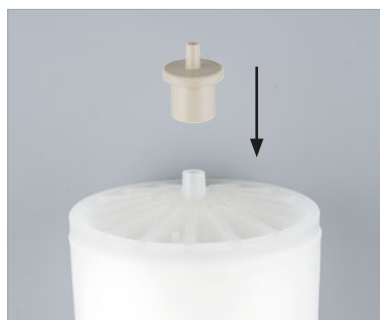


Figure 9



Figure 10

### Ordering Information

Part No.	Description	Qty.
BSLK	BGB® luer adapter kit (inlet & outlet) for S800, S1600 and S3000 cartridge hardware	ea.



**Adapters, Fittings, Plugs and Caps**

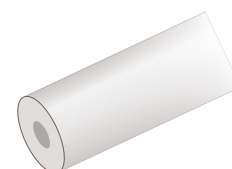
<b>Adapters</b>	 Bore 1.3 mm	 Bore 1.3 mm	 Bore 1.5 mm	 Bore 1.0 mm	 Bore 0.4 mm
<b>Part No.</b>	<b>220302</b>	<b>220304</b>	<b>220305</b>	<b>220308</b>	<b>220329</b>
<b>Description</b>	Adapter, PEEK 1/4"-28 female to Luer-Lock female	Adapter, PEEK 1/4"-28 female to Luer-Lock male	Adapter, PEEK 1/4"-28 male to Luer female	Adapter, PEEK 1/4"-28 male to Luer-Lock male	Adapter, PP Luer-Lock female to Luer-Lock female

<b>Fittings, Plugs and Caps</b>	 max. 69 bar	 max. 69 bar	 max. 69 bar		
<b>Part No.</b>	<b>220347</b>	<b>220345</b>	<b>220353</b>	<b>220334</b>	<b>220341</b>
<b>Description</b>	Ferrule, ETFE with stainless-steel ring 1/8" OD tubing	Nut, PEEK 1/4"-28 thread 1/8" OD tubing fingertight, Long	Fitting, PEEK 1/4"-28 thread 1/8" OD tubing „No-Twist-One-Piece“ fingertight	Plug, POM (Delrin) 1/4"-28 thread	Cap, ETFE 1/4"-28 thread





More luer adapters at [www.bgb-shop.com/luer-adapters](http://www.bgb-shop.com/luer-adapters)

**ETFE Tubing**

Part No.	OD	ID	Color	Pressure	Qty.
211906-3	1/8"	1.59 mm	natural	110 bar	3 m
211906-10	1/8"	1.59 mm	natural	110 bar	10 m
211906-25	1/8"	1.59 mm	natural	110 bar	25 m



**HPLC-Certified Plastic Disposable Syringes**

<b>Syringes with Luer Slip</b>				
<b>Part No.</b>	<b>PP-EWS-2L</b>	<b>PP-EWS-5L</b>	<b>PP-EWS-10L</b>	<b>PP-EWS-20L</b>
<b>Description</b>	2 ml Luer-Slip HPLC-certified	5 ml Luer-Slip HPLC-certified	10 ml Luer-Slip HPLC-certified	20 ml Luer-Slip HPLC-certified

For Luer-Lock Syringes refer to [www.bgb-shop.com/disposable-syringes](http://www.bgb-shop.com/disposable-syringes)

## BGB Online Shop

[www.bgb-shop.com](http://www.bgb-shop.com)

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