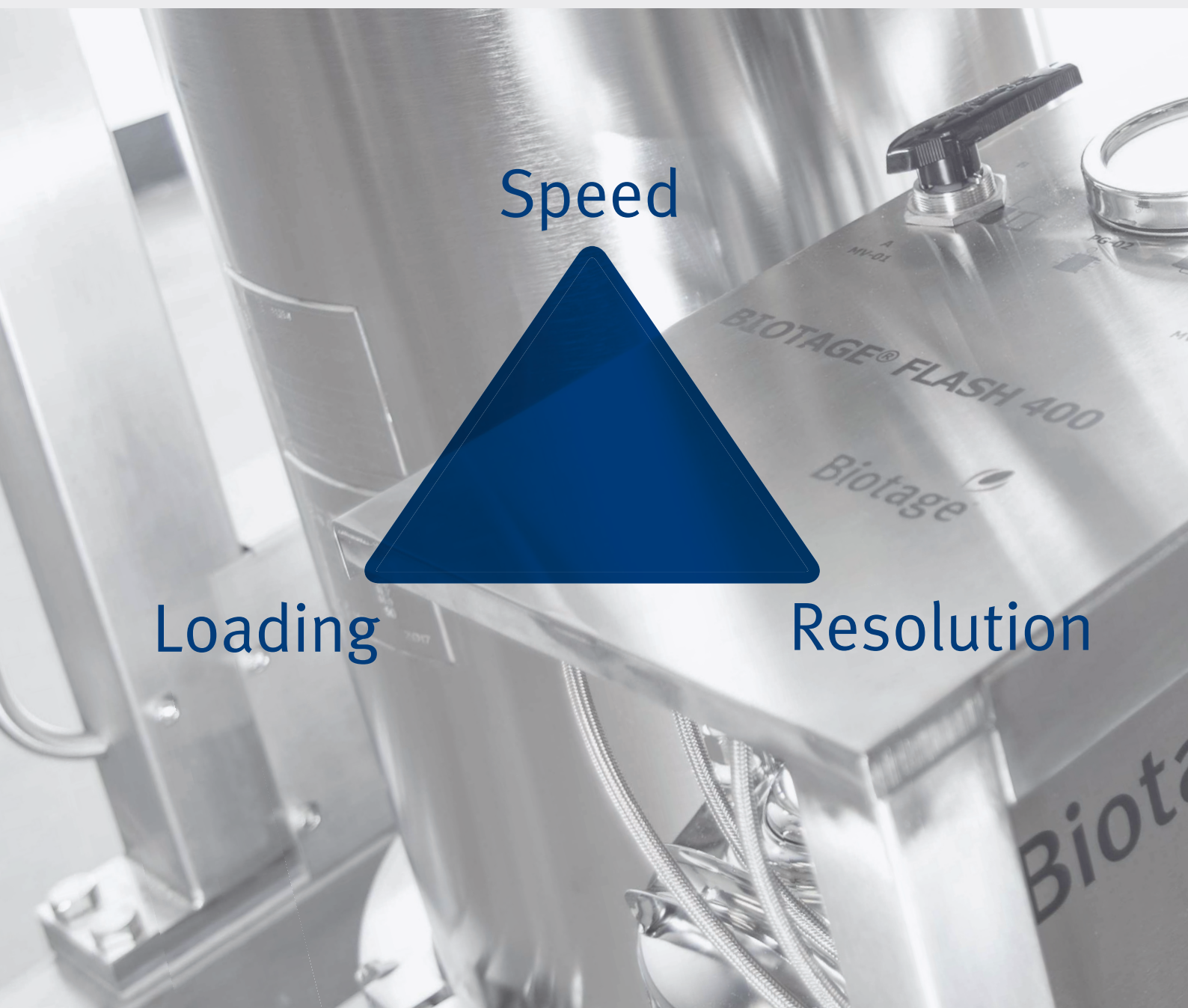


Large Scale Flash Purification

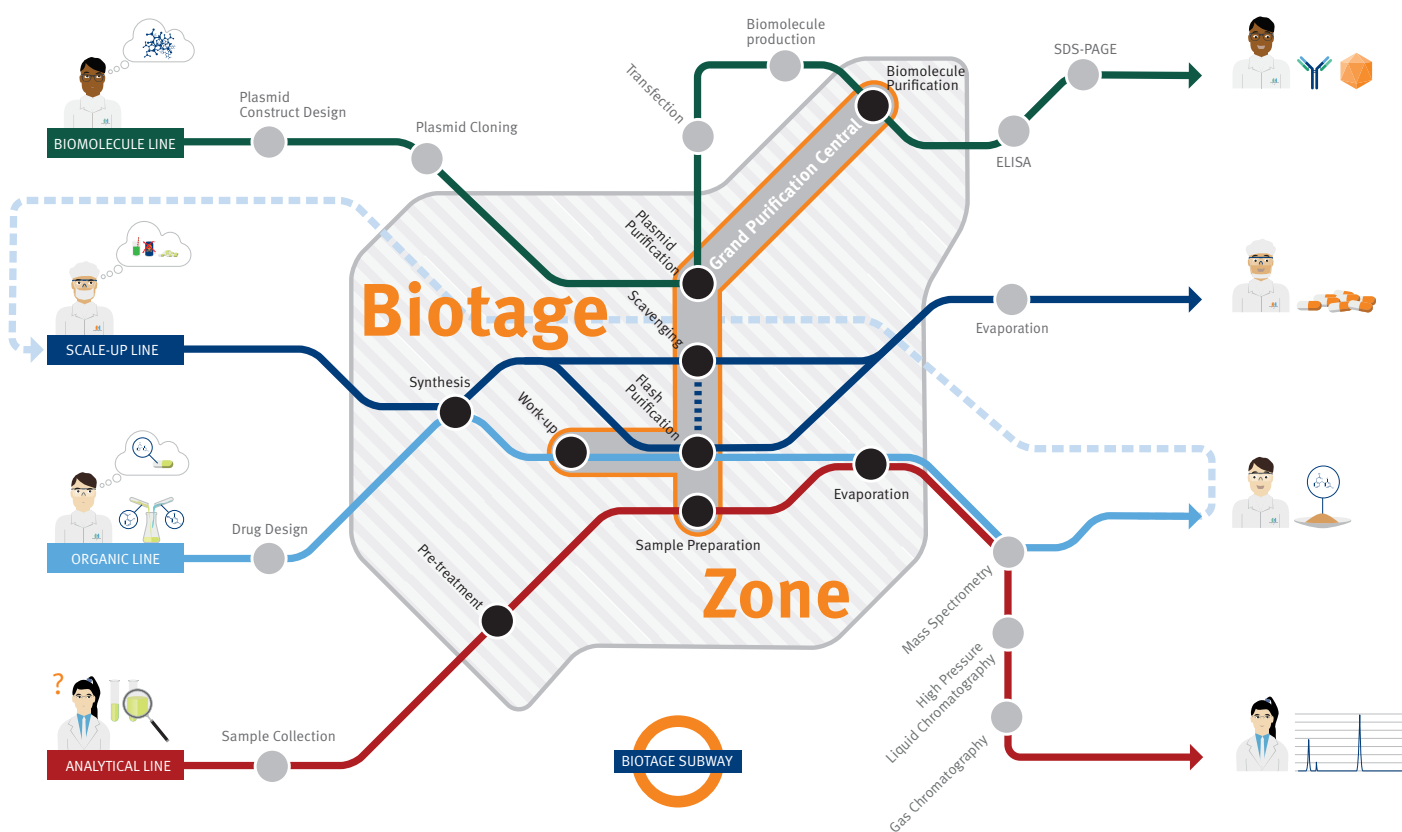


The World of Biotage

Biotage offers workflow solutions and products to customers in drug discovery and development, analytical testing and water and environmental testing.

Scaling Up

Larger solutions are often required for purification. From traditional small molecules to peptides, natural product extraction, or targeted synthesis of targets in the latest high-tech HP-APIs, or novel lipids used in COVID-19 formulations, Biotage purification platforms and scavenging technologies are trusted and underpin efficient processes, from research to cGMP campaign or commercial production, the world over.



Large Scale Flash Purification

Biotage flash systems support purification from R+D through to large scale.

- » Ease of use, intuitive and modular, simple to install
- » Quality-controlled production processes, consistent results
- » Many stationary phase options - chose the optimum column for purification
- » Sophisticated method development software - reduce solvent and waste
- » Quality and security of your client's supply
- » Increased productivity, isolate up to multiple Kgs of product per run

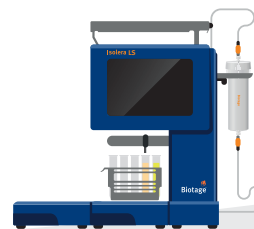
Applications

- » Pharma, from intermediates to APIs / HP-APIs.
- » Urgent research programs and support for therapeutic projects, such as lipids used in the latest vaccine formulations
- » Natural products, from simple molecules to complex biomolecules, mono through to oligo, such as peptides, nucleotides
- » Purification of novel compounds for materials science research



Biotage Flash Purification Platforms Overview

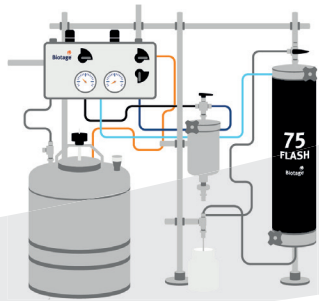
Meet the Family



Flash System	Isolera™	Biotage® Selekt	Isolera™ LS
Format			
Typical scale / application	Development	Development	Development & production
Input Sample Size Normal Phase (g)	80	150*	150*
Flow Rate (mL/min.)	200	300	500
Nominal cartridge mass	5–900 g	5–1800 g	50–1800 g

* With pressure releasing safety valve kit P/N 417115SP for cartridges with CV > 0.8 L (i.e. >340 g).





Biotage® Flash 75

M

L

Development & production

50

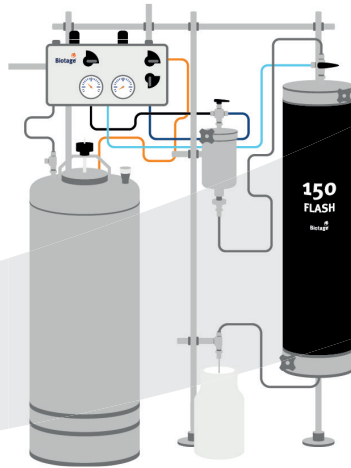
100

250

250

400 g

800 g



Biotage® Flash 150

M

L

Production

250

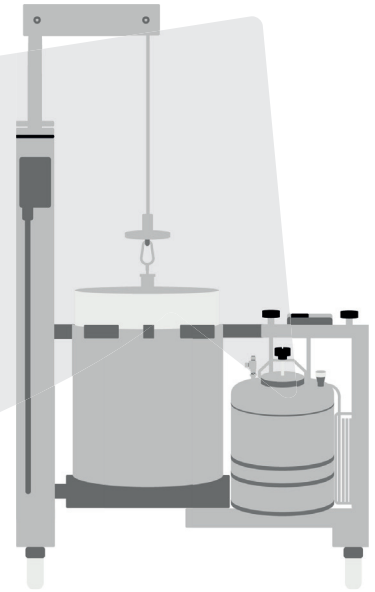
500

1000

1000

2.5 kg

5 kg



Biotage® Flash 400

M

L

Production

4000

8000

6000

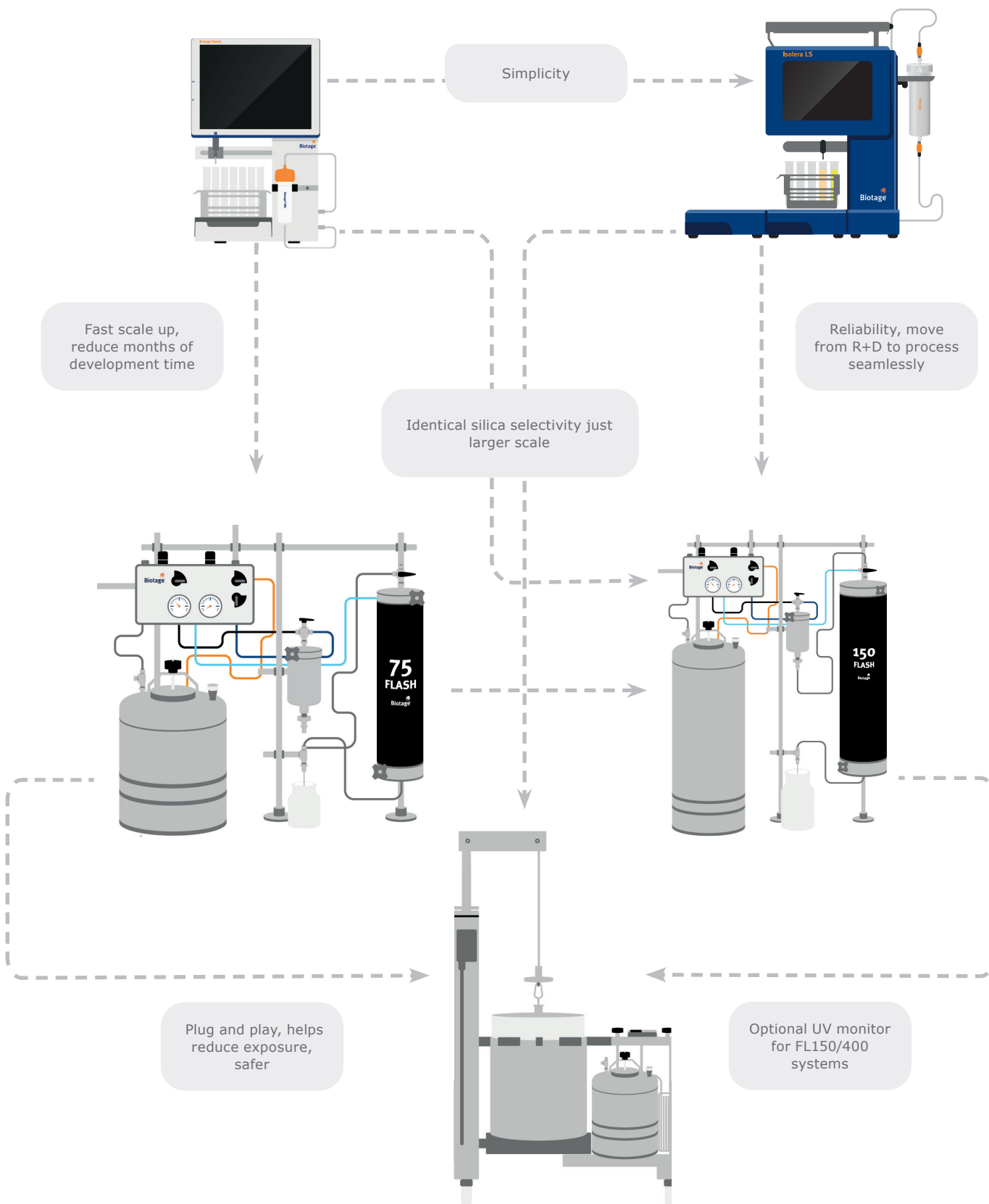
6000

20 kg

40 kg



Scale Up Workflow



Media Options

Maximum Flexibility and Then
Consistency for your Process

1. Same media ✓
2. Same packing ✓
3. Same performance ✓
4. Columns from 5 g to 50kg ✓

Scalability from 5 g to 40 Kg ,
Samples from mg to Kgs

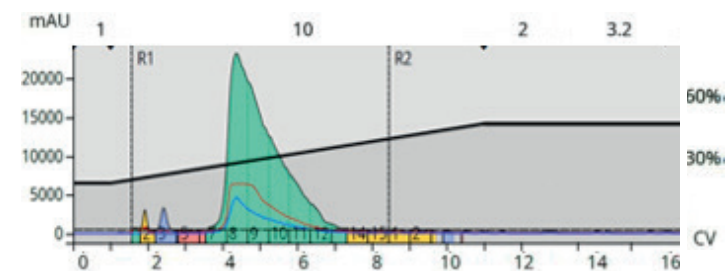
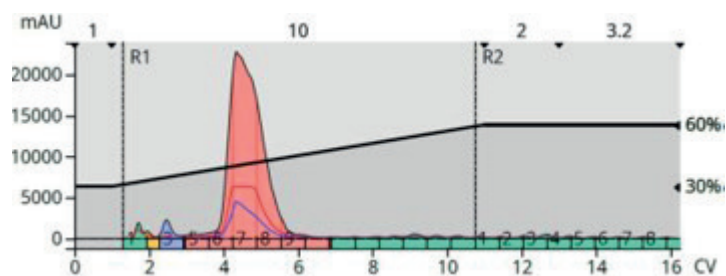
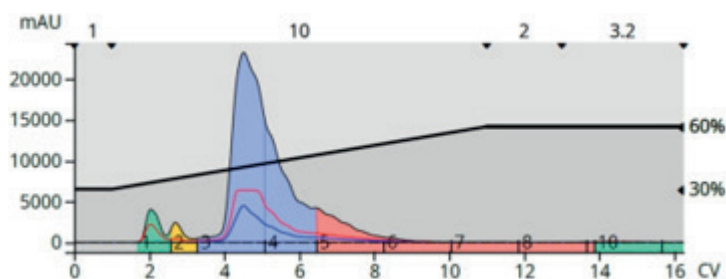
Std Packed columns for Flash Purification

Flow chemistry / metal scavengers in cartridges

Enquire for custom packing options

Stationary Phase Guide

Phase	Media	Particle Size Range (µm)
Normal	KP-Sil	40–63
	KP-Sphere™/Sfär 60	50–70
	HP-Sphere™	25–33
	Sfär HC	17–26
Reversed	KP-C18-HS	40–63
	HP-Sphere C18/Sfär C18	25–35
Speciality	KP-Amino	40–65
	ISOLUTE®-Amino	40–63
	Carbon	60–100
	HP20	250–850
	HP20ss	75–150



Your Complete Partner for Effective Chemistry

Biotage is a worldwide supplier of instruments and accessories designed to facilitate the work of laboratory and process chemists. With our deep knowledge of the industry, academic contacts and in-house R&D teams, we can deliver the best solutions to your challenges. We take great pride in our flexibility and ability to meet our customer's individual needs. With strong foundations in both analytical, organic and process chemistry, we can offer the widest range of solutions available on the market.

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