



# FlashPure Cartridges

## Technical data sheet

FlashPure cartridges are offered in a wide range of sizes, covering different stationary phases, particle sizes and geometries. This enables the user to choose the flash cartridge which best suits his purification.



## Scope of delivery, part numbers, sizes and specifications

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
FlashPure EcoFlex												
FlashPure EcoFlex Silica	4g, 20pcs	140000021	6mL	300psi / 20bar	15mL/min	4mg-0.4g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	12g, 18pcs	140000022	20mL	300psi / 20bar	30mL/min	12mg-1.2g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	25g, 12pcs	140000023	30mL	300psi / 20bar	32mL/min	25mg-2.5g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	40g, 12pcs	140000024	50mL	300psi / 20bar	40mL/min	40mg-4.0g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	80g, 10pcs	140000025	110mL	200psi / 14bar	60mL/min	80mg-8.0g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	120g, 10pcs	140000026	155mL	200psi / 14bar	85mL/min	120mg-12g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	220g, 6pcs	140000027	280mL	150psi / 10bar	120mL/min	220mg-22g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	330g, 5pcs	140000028	430mL	150psi / 10bar	130mL/min	330mg-33g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	800g, 3pcs	140000029	1050mL	100psi / 7bar	180mL/min	800mg-80g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	1600g, 2pcs	140000030	2000mL	100psi / 7bar	200mL/min	1.6g-160g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	3000g, 1pcs	140000031	3910mL	100psi / 7bar	200mL/min	3.0g-300g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No
	5000g, 1pcs	11072741	5800mL	100psi / 7bar	250mL/min	5.0g-500g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m <sup>2</sup> /g	N/A	No

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
FlashPure EcoFlex Alumina Neutral	8g, 20pcs	140000095	6mL	300psi / 20bar	15mL/min	8mg-0.32g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	24g, 18pcs	140000096	20mL	300psi / 20bar	30mL/min	24mg-1.0g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	50g, 12pcs	140000097	30mL	300psi / 20bar	32mL/min	50mg-2.0g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	80g, 12pcs	140000098	48mL	300psi / 20bar	40mL/min	80mg-3.2g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	160g, 10pcs	140000099	105mL	200psi / 14bar	60mL/min	160mg-6.4g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	240g, 10pcs	140000100	148mL	200psi / 14bar	85mL/min	240mg-9.6g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	440g, 6pcs	140000101	260mL	150psi / 10bar	120mL/min	440mg-17.6g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	660g, 5pcs	140000102	405mL	150psi / 10bar	130mL/min	660mg-26.4g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	1600g, 3pcs	140000103	860mL	100psi / 7bar	180mL/min	1.6g-64g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
	3200g, 2pcs	140000104	1680mL	100psi / 7bar	200mL/min	3.2g-128g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m <sup>2</sup> /g	N/A	No
FlashPure EcoFlex C18	4g, 5pcs	140000048	8mL	180psi / 12bar	15mL/min	4mg-0.1g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	12g, 5pcs	140000049	24mL	180psi / 12bar	30mL/min	12mg-0.3g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	20g, 2pcs	140000050	40mL	180psi / 12bar	32mL/min	20mg-0.5g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	40g, 2pcs	140000051	80mL	180psi / 12bar	40mL/min	40mg-1g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
	80g, 2pcs	140000052	160mL	180psi / 12bar	60mL/min	80mg-2g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	120g, 2pcs	140000053	240mL	180psi / 12bar	85mL/min	120mg-3g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	220g, 1pc	140000054	400mL	180psi / 12bar	120mL/min	220mg-5.5g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	330g, 1pc	140000055	600mL	180psi / 12bar	130mL/min	330mg-8.25g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	800g, 1pc	140000056	1700mL	120psi / 8bar	180mL/min	800mg-20g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	1500g, 1pc	140000057	2500mL	120psi / 8bar	200mL/min	1500mg-37.5g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	3000g, 1pc	140000058	5600mL	120psi / 8bar	200mL/min	3000mg-75g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
	5000g, 1pc	11070489	8500mL	120psi / 8bar	250mL/min	5-125g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	15-17%	Yes
FlashPure EcoFlex Amino	4g, 5pcs	140000059	8mL	180psi / 12bar	15mL/min	4mg-0.2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	12g, 5pcs	140000060	24mL	180psi / 12bar	30mL/min	12mg-0.6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	20g, 2pcs	140000061	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	40g, 2pcs	140000062	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	80g, 2pcs	140000063	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	120g, 2pcs	140000064	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
	220g, 1pc	140000065	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
	330g, 1pc	140000066	600mL	180psi / 12bar	130mL/min	330mg-16.5g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	4-6%	No
FlashPure EcoFlex Diol	4g, 5pcs	140000067	8mL	180psi / 12bar	15mL/min	4mg-0.2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	12g, 5pcs	140000068	24mL	180psi / 12bar	30mL/min	12mg-0.6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	20g, 2pcs	140000069	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	40g, 2pcs	140000070	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	80g, 2pcs	140000071	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	120g, 2pcs	140000072	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	220g, 1pc	140000073	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No
	330g, 1pc	140000074	600mL	180psi / 12bar	130mL/min	330mg-16.5g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m <sup>2</sup> /g	≥4%	No

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
<b>FlashPure</b>												
FlashPure Silica	4g, 20pcs	11067703	6mL	245psi / 17bar	15mL/min	4mg-0.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	12g, 20pcs	11067704	24mL	245psi / 17bar	30mL/min	12mg-2.4g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	24g, 15pcs	11067705	35mL	245psi / 17bar	32 mL/min	24mg-4.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	40g, 15pcs	11067706	57mL	245psi / 17bar	40mL/min	40mg-8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	80g, 12pcs	11067707	114mL	245psi / 17bar	60mL/min	80mg-16g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	120g, 10pcs	145154067	159mL	245psi / 17bar	85mL/min	120mg-24g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	220g, 6pcs	145155964	332mL	165psi / 11bar	120mL/min	220mg-44g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	330g, 4pcs	145154068	472mL	110psi / 8bar	130mL/min	330mg-66g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
<b>FlashPure ID</b>												
FlashPure ID Silica	4g, 20pcs	145146130	5mL	245psi / 16bar	15mL/min	4mg-0.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	12g, 20pcs	145146131	24mL	245psi / 16bar	30mL/min	12mg-2.4g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	24g, 15pcs	145165730	35mL	245psi / 16bar	32mL/min	24mg-4.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	40g, 15pcs	145146132	57mL	245psi / 16bar	40mL/min	40mg-8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No
	80g, 12pcs	145146133	114mL	245psi / 16bar	60mL/min	80mg-16g 0.1-20% c	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	N/A	No

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
FlashPure ID C18	4g, 1pc	145152990	6mL	245psi / 16bar	15mL/min	5mg-0.2g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	12g, 1pc	145152103	24mL	245psi / 16bar	30mL/min	15mg-0.6g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	24g, 1pc	145171532	35mL	245psi / 16bar	32mL/min	38mg-1.2 0.1-5% g	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	40g, 1pc	145152104	57mL	245psi / 16bar	40mL/min	45mg-2g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	80g, 1pc	145152105	114mL	245psi / 16bar	60mL/min	90mg-4g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	120g, 1pc	145152991	159mL	245psi / 16bar	85mL/min	150mg-6g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	220g, 1pc	145171538	332mL	165psi / 11bar	120mL/min	275mg-11g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes
	330g, 1pc	145164430	472mL	110psi / 7bar	130mL/min	400mg-16.5g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m <sup>2</sup> /g	17-18%	Yes

## FlashPure Select

FlashPure Select Silica	4g, 20pcs	140000113	8mL	400psi / 27bar	12mL/min	4mg-1.2g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	12g, 18pcs	140000114	24mL	400psi / 27bar	24mL/min	12mg-3.6g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	25g, 12pcs	140000115	39mL	400psi / 27bar	25mL/min	25mg-7.5g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	40g, 12pcs	140000116	52mL	400psi / 27bar	32mL/min	40mg-12g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	80g, 10pcs	140000117	120mL	350psi / 24bar	48mL/min	80mg-24g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	120g, 10pcs	140000118	180mL	300psi / 20bar	68mL/min	120mg-36g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No

		BUCHI part number	Column volume	Max. pressure	Default flow rate*	Loading capacity	Particle shape	Particle size	Pore size	Surface area	Carbon content	End capping
	220g, 6pcs	140000119	320mL	300psi / 20bar	96mL/min	220mg-66g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
	330g, 5pcs	140000120	450mL	250psi / 17bar	104mL/min	330mg-99g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m <sup>2</sup> /g	N/A	No
FlashPure Select C18	4g, 5pcs	140000121	8mL	180psi / 12bar	15mL/min	4mg-0.2g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	12g, 5pcs	140000122	24mL	180psi / 12bar	30mL/min	12mg-0.6g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	20g, 2pcs	140000123	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	40g, 2pcs	140000124	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	80g, 2pcs	140000125	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	120g, 2pcs	140000126	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	220g, 1pc	140000127	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	330g, 1pc	140000128	600mL	180psi / 12bar	130mL/min	330mg-16.5g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	800g, 1pc	11070490	1700mL	120psi / 8bar	180mL/min	0.8-40g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	1500g, 1pc	11070491	2500mL	120psi / 8bar	200mL/min	1.5-75g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes
	3000g, 1pc	11070492	5600mL	120psi / 8bar	200mL/min	3-150g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m <sup>2</sup> /g	17-19%	Yes



## Accessories

### Cartridge holder

FlashPure cartridges with a size >330g require a specific holder to connect with a Pure system.

Pure cartridge holder XXL for cartridges larger than 330 g	11070532
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### Cartridge adapters

FlashPure PP Adapter Female Luer Lock and Male Luer Slip, 100pcs	140000186
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FlashPure EcoFlex Silica PEEK Adapter, 1pc	140000185
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FlashPure PEEK Adapter Male Luer Lock and Female 1/4-28, 1pc	11057735
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FlashPure PEEK Adapter Female Luer Lock and Female 1/4-28, 1pc	11057736
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\* The default flow rate is not suitable for all applications. Reversed phase solvents, such as a mixture of water and ethanol, trigger a back pressure increase and hence enforce the user to reduce the flow rate not to exceed the max pressure limit of the cartridge.