



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	≥480m ² /g	N/A	No
	12g, 18pcs	140000022	20mL	300psi / 20bar	30mL/min	12mg-1.2g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	25g, 12pcs	140000023	30mL	300psi / 20bar	32mL/min	25mg-2.5g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	40g, 12pcs	140000024	50mL	300psi / 20bar	40mL/min	40mg-4.0g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	80g, 10pcs	140000025	110mL	200psi / 14bar	60mL/min	80mg-8.0g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	120g, 10pcs	140000026	155mL	200psi / 14bar	85mL/min	120mg-12g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	220g, 6pcs	140000027	280mL	150psi / 10bar	120mL/min	220mg-22g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	330g, 5pcs	140000028	430mL	150psi / 10bar	130mL/min	330mg-33g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	800g, 3pcs	140000029	1050mL	100psi / 7bar	180mL/min	800mg-80g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	1600g, 2pcs	140000030	2000mL	100psi / 7bar	200mL/min	1.6g-160g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	3000g, 1pcs	140000031	3910mL	100psi / 7bar	200mL/min	3.0g-300g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /g	N/A	No
	5000g, 1pcs	11072741	5800mL	100psi / 7bar	250mL/min	5.0g-500g 0.1-10%	Irregular	40-63µm	55-75Å	≥480m ² /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 C18	4g, 5pcs	140000048	8mL	180psi / 12bar	15mL/min	4mg-0.1g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m ² /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 ² /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 ² /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 ² /g	15-17%	Yes
	80g, 2pcs	140000052	160mL	180psi / 12bar	60mL/min	80mg-2g 0.1-2.5%	Spherical	40-60µm	92-108Å	260-360m ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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
FlashPure EcoFlex Amino	4g, 5pcs	140000059	8mL	180psi / 12bar	15mL/min	4mg-0.2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /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 ² /g	4-6%	No
	20g, 2pcs	140000061	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	4-6%	No
	40g, 2pcs	140000062	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	4-6%	No
	80g, 2pcs	140000063	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	4-6%	No
	120g, 2pcs	140000064	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	4-6%	No
	220g, 1pc	140000065	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /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 ² /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 ² /g	≥4%	No
	12g, 5pcs	140000068	24mL	180psi / 12bar	30mL/min	12mg-0.6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	20g, 2pcs	140000069	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	40g, 2pcs	140000070	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	80g, 2pcs	140000071	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	120g, 2pcs	140000072	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	220g, 1pc	140000073	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /g	≥4%	No
	330g, 1pc	140000074	600mL	180psi / 12bar	130mL/min	330mg-16.5g 0.1-5%	Spherical	40-60µm	92-108Å	260-360m ² /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
FlashPure Select												
FlashPure Select Silica	4g, 20pcs	11075710	8mL	300psi / 21bar	15mL/min	4mg-1.2g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	12g, 18pcs	11075711	24mL	300psi / 21bar	30mL/min	12mg-3.6g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	25g, 12pcs	11075712	41mL	300psi / 21bar	32mL/min	25mg-7.5g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	40g, 12pcs	11075713	67mL	300psi / 21bar	40mL/min	40mg-12g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	80g, 10pcs	11075714	134mL	200psi / 14bar	50mL/min	80mg-24g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	120g, 10pcs	11075715	200mL	200psi / 14bar	85mL/min	120mg-36g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	220g, 6pcs	11075716	365mL	150psi / 10bar	120mL/min	220mg-66g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No
	330g, 5pcs	11075717	550mL	150psi / 10bar	130mL/min	330mg-99g 0.1-30%	Spherical	25µm	50Å	600-800m ² /g	N/A	No



NOTE

FlashPure Select Silica cartridges have a shelf life of 15 months after the manufacturing date.

		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 Select C18	4g, 5pcs	140000121	8mL	180psi / 12bar	15mL/min	4mg-0.2g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /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 ² /g	17-19%	Yes
	20g, 2pcs	140000123	40mL	180psi / 12bar	32mL/min	20mg-1g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /g	17-19%	Yes
	40g, 2pcs	140000124	80mL	180psi / 12bar	40mL/min	40mg-2g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /g	17-19%	Yes
	80g, 2pcs	140000125	160mL	180psi / 12bar	60mL/min	80mg-4g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /g	17-19%	Yes
	120g, 2pcs	140000126	240mL	180psi / 12bar	85mL/min	120mg-6g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /g	17-19%	Yes
	220g, 1pc	140000127	400mL	180psi / 12bar	120mL/min	220mg-11g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /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 ² /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 ² /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 ² /g	17-19%	Yes
3000g, 1pc	11070492	5600mL	120psi / 8bar	200mL/min	3-150g 0.1-5%	Spherical	20-35µm	92-108Å	300-340m ² /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.