



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 ² /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 ² /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 ² /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 ² /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 ² /g	N/A	No
	120g, 10pcs	140000026	155mL	200psi / 14bar	85mL/min	120mg-12g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m ² /g	N/A	No
	220g, 6pcs	140000027	280mL	150psi / 10bar	120mL/min	220mg-22g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m ² /g	N/A	No
	330g, 5pcs	140000028	430mL	150psi / 10bar	130mL/min	330mg-33g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m ² /g	N/A	No
	800g, 3pcs	140000029	1050mL	100psi / 7bar	180mL/min	800mg-80g 0.1-10%	Irregular	40-63µm	55-75Å	470-530m ² /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 ² /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 ² /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 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 Alumina Neutral	8g, 20pcs	140000095	6mL	300psi / 20bar	15mL/min	8mg-0.32g 0.1-4%	Irregular	50-75µm	50-70Å	140-170m ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 ² /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 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

		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 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
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

		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 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
FlashPure												
FlashPure Silica	4g, 20pcs	11067703	6mL	245psi / 17bar	15mL/min	4mg-0.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /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 ² /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 ² /g	N/A	No
	40g, 15pcs	11067706	57mL	245psi / 17bar	40mL/min	40mg-8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m 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
	80g, 12pcs	11067707	114mL	245psi / 17bar	60mL/min	80mg-16g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No
	120g, 10pcs	145154067	159mL	245psi / 17bar	85mL/min	120mg-24g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No
	220g, 6pcs	145155964	332mL	165psi / 11bar	120mL/min	220mg-44g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No
	330g, 4pcs	145154068	472mL	110psi / 8bar	130mL/min	330mg-66g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No

FlashPure ID

FlashPure ID Silica	4g, 20pcs	145146130	5mL	245psi / 16bar	15mL/min	4mg-0.8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /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 ² /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 ² /g	N/A	No
	40g, 15pcs	145146132	57mL	245psi / 16bar	40mL/min	40mg-8g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /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 ² /g	N/A	No
	120g, 10pcs	145146134	159mL	245psi / 16bar	85mL/min	120mg-24g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No
	220g, 6pcs	145165750	332mL	165psi / 11bar	120mL/min	220mg-44g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m ² /g	N/A	No
	330g, 4pcs	145146135	472mL	110psi / 7bar	130mL/min	330mg-66g 0.1-20%	Irregular	35-45µm	53-80Å	500-600m 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 ID C18	4g, 1pc	145152990	6mL	245psi / 16bar	15mL/min	5mg-0.2g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m ² /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 ² /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 ² /g	17-18%	Yes
	40g, 1pc	145152104	57mL	245psi / 16bar	40mL/min	45mg-2g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m ² /g	17-18%	Yes
	80g, 1pc	145152105	114mL	245psi / 16bar	60mL/min	90mg-4g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m ² /g	17-18%	Yes
	120g, 1pc	145152991	159mL	245psi / 16bar	85mL/min	150mg-6g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m ² /g	17-18%	Yes
	220g, 1pc	145171538	332mL	165psi / 11bar	120mL/min	275mg-11g 0.1-5%	Irregular	35-45µm	53-80Å	500-600m ² /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 ² /g	17-18%	Yes
FlashPure ID C18-WP	4g, 1pc	145169482	6mL	245psi / 16bar	15mL/min	5mg-0.2g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	12g, 1pc	145169483	24mL	245psi / 16bar	20mL/min	15mg-0.6g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	24g, 1pc	140000019	35mL	245psi / 16bar	20mL/min	38mg-1.2g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	40g, 1pc	145169484	57mL	245psi / 16bar	30mL/min	45mg-2g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	80g, 1pc	140000152	114mL	245psi / 16bar	40mL/min	90mg-4g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	120g, 1pc	140000153	159mL	245psi / 16bar	45mL/min	150mg-6g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	220g, 1pc	140000154	332mL	165psi / 11bar	65mL/min	275mg-11g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	Yes
	330g, 1pc	140000155	472mL	110psi / 7bar	65mL/min	400mg-16.5g 0.1-5%	Irregular	16-24µm	200-250Å	500-600m ² /g	14.5-17.5%	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 ID HP												
FlashPure ID HP Silica	4g, 20pcs	145170200	6mL	245psi / 16bar	15mL/min	4mg-0.8g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	12g, 20pcs	145170201	24mL	245psi / 16bar	30mL/min	12mg-2.4g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	24g, 15pcs	145170202	35mL	245psi / 16bar	32mL/min	24mg-4.8g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	40g, 15pcs	145170203	57mL	245psi / 16bar	40mL/min	40mg-8g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	80g, 12pcs	145170204	114mL	245psi / 16bar	60mL/min	80mg-16g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	120g, 10pcs	145170205	159mL	245psi / 16bar	80mL/min	120mg-24g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	220g, 6pcs	145170207	332mL	165psi / 11bar	120mL/min	220mg-44g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No
	330g, 4pcs	145170208	472mL	110psi / 7bar	130mL/min	330mg-66g 0.1-20%	Irregular	16-24µm	60-75Å	500-600m ² /g	N/A	No

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 ² /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 ² /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 ² /g	N/A	No
	40g, 12pcs	140000116	52mL	400psi / 27bar	32mL/min	40mg-12g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m ² /g	N/A	No
	80g, 10pcs	140000117	120mL	350psi / 24bar	48mL/min	80mg-24g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m 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
	120g, 10pcs	140000118	180mL	300psi / 20bar	68mL/min	120mg-36g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m ² /g	N/A	No
	220g, 6pcs	140000119	320mL	300psi / 20bar	96mL/min	220mg-66g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m ² /g	N/A	No
	330g, 5pcs	140000120	450mL	250psi / 17bar	104mL/min	330mg-99g 0.1-30%	Spherical	13-17µm	30-70Å	600-800m ² /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 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 XL Cartridge holder for cartridges of 800g to 3000g	11068388
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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.