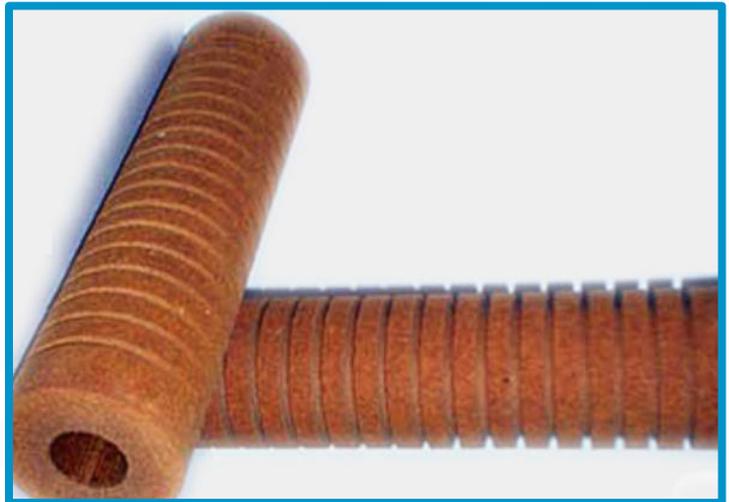


VAN BORSELEN FILTERS



BorsoKlean ACRYLIC/PHENOLIC FILTER CARTRIDGE



SPECIFICATION SHEET

Material:	ACRYLIC FIBRES BONDED BY USING A PHENOLIC RESIN [Example Item Code BKG090NA050: 09=9¼"; G=grooved; 050=50µm or BKG10NA050 = 10" x 50µm]							
Colour:	Brown							
Outer Surface:	Cartridges are available in both grooved and ungrooved. Ungrooved are suitable for air filtration.							
Cartridge Lengths:	Single cartridges are offered in two lengths, 248mm [9.75"] and 254mm (10").							
Multiple Lengths:	Cartridges can be bonded to form longer lengths. Usual maximum is 4-high 992mm (39") or 1016mm (40"). Longer than this is possible, but only on special order.							
Bonding Material:	A polyolefin hot-melt adhesive is used to bond multiple lengths. <i>The maximum operating temperature of the hot-melt is 100°C.</i>							
Micron Ratings:	Nominal	1µm	5µm	10µm	25µm	50µm	75µm	100µm
Testing:	Each cartridge is tested by means of air resistance for micron rating compliance. Each cartridge is visually inspected for mechanical damage, dimensional compliance and cartridge rigidity.							
Max Operating pressure:	a) 120°C per 254mm filter b) 100°C per multi-length filter [see Bonding Material above]							
Maximum Flow Rate:	38 lpm per 254mm length. Refer to graph below.							
Max Diff Pressure:	400 kPa [4 Bar] before structural damage can be expected.							
Change-out Pressure:	Recommended 250 kPa [2.5 Bar]							
Outer/Inner Diameter:	OD 64mm / ID [core] 27-28mm							
Applications:	Non-Potable Water, Lubricants, Chemicals (including alkaline solutions at ambient temp, inorganic acids and acid salts up to 10% concentration), Petroleum Products, Paints/Inks, Adhesives/Sealants, Lacquers/Varnishes, Fuel Oil/Crude Oil/Grease, Machine Coolants, Silicones, Anti-Freeze, Plasticizers, Animal Oils and Air Filtration. NB: Not to be used with caustic soda.							

ADDITIONAL FLOW INFORMATION

Filter Sizing:	After determining the number of cartridges required for the flow, select a housing that provides sufficient cartridges for both flow and dirt-holding capacity. For the best flow characteristics, flow velocity through the housing connections should not exceed 3.66 metres per second. On some applications, velocity should be considerably less.
Differential Pressure:	Increasing initial differential pressure will result in higher flow rates. However, cartridge life will be shortened. For maximum cartridge life, it is generally recommended that differential pressure at initial start-up be held to less than 34kPa. If housing loss has been omitted, it should be added to the cartridge differential pressure to arrive at a total pressure drop across the entire filter.
Flow Rate Per Single Filter:	To ensure optimum usage, all the guidelines should be used as an indicator only. For each application, test and trial should be taken into account.

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