

Filter cartridge

amaTech Wound GW

1. Introduction

amaTech GW wound glass fibre filter cartridges are ideally suited to remove solids in critical applications within the chemical industry. Typical applications are acids, organic solvents and high temperature processes.

Market application examples for amaTech GW are:

- Strong mineral acids
- Strong organic acids
- Strong oxidising agents
- Heat transfer liquids (Dowtherm®, Therminol® etc)
- Hot air (but not steam)
- Polymer filtration
- Fertiliser manufacturers

amaTech GW filter cartridges are manufactured under strict quality procedures. Each batch is tested for weight, length and air permeability, ensuring that each cartridge has the same high quality. All lubricants are removed during the baking process. One sacrificial cartridge per batch is tested for lubricant content in our QC laboratory. The state of the art technology used in manufacturing the amaTech GW wound filter cartridges ensures the product offers a highly effective depth filtration and excellent chemical and heat compatibility.



2. Features

- High quality yarn
- Wide chemical compatibility
- Nominal rated from 1 to 200 micron
- Temperature resistant up to 400 °C
- Baked at 425 °C to remove all organics
- No lubricant content due to a specially designed baking process
- Lengths available from 5 to 40 inch
- Stainless steel centre core, manufactured in-house
- Core cover standard, extended core as option
- All centre cores are pre-washed in an ultrasonic bath to remove any residual lubricant/contamination

3. Product/Performance specifications

Filter medium:	Baked glass fibre
Centre core:	stainless steel 304 or stainless steel 316
Core cover:	glass fibre

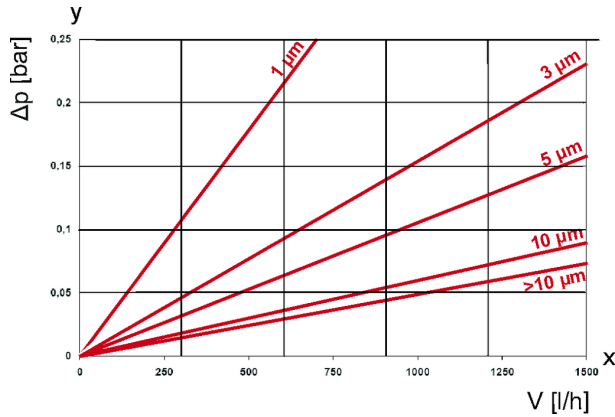
Dimensions

External diameter:	64 mm
Length:	see ordering information
Filtration area:	0.05 m ² /10" cartridge

Maximum recommended differential pressure: 2.5 bar



4. Water flow rate for 10" cart-ridge



x: Flowrate

y: Clean pressure drop

5. Order code

Example

amaTech	GW	5	A	20	S	E	1PK	
Cartridge type	Material	Micron rating [μm]	Diameter	Nominal length [inch]	Centre core	Core cover	Cartridge style	Packaging
	GW = baked glass fibre	1, 3, 5, 10, 15, 20, 30, 50, 70, 100, 200	A=64 mm	5 (127 mm) 9.75 (248 mm) 10 (254 mm) 19.5 (495 mm) 20 (508 mm) Other lengths on request 29.25 (743 mm) 30 (762 mm) 39.5 (1003 mm) 40 (1016 mm)	S = stainless steel 316 (standard) A = stainless steel 304	E	No symbol=DOE, no gaskets X1=extended centre core (DOE)	1PK=single packed

Core cover: E = compatible with and equal to resistance of fibre and micron rating of the filter cartridge