



# AX5



FIBROTEX - A self-cleaning, compact, fully automatic fibrous depth filter designed to eliminate or reduce particulates in water. In response to a requirement for smaller, compact and cheaper filtration equipment, Kalsep has produced the new **AX5** model of the Fibrotex filter.

The **AX5** can be used on many water sources, including boreholes, rivers and canals thus minimizing the consumption of costly mains water.

## Benefits

- Range of element materials provide a variety of performance ratings down to 98% removal of 2µm particles
- Compact Footprint
- Low Backwash Volume
- Fully automatic
- WRAS listed materials for potable water use
- Low Maintenance Requirements

## Applications

Major applications include:-

- Iron and Manganese removal from boreholes
- Filtration of potable supplies drawn from non-mains source i.e. borehole, river
- Mains water polishing
- Pretreatment prior to Reverse Osmosis
- Protection of disposable membrane cartridge filters
- Filtration of recycled process waters
- Industrial effluent polishing

## Comparisons with other filters

The **Fibrotex AX5** filter compares favourably with iron removal filters, sandfilters and cartridge filters both in media replacement and operating cost.

Other benefits include:

- Little or no maintenance
- No issues with media replacement
- Element replacement in under half an hour
- Improved performance over media filters





## Specifications

FIBROTEX		AX5
MAXIMUM FILTER FLOWRATE (m <sup>3</sup> /hr)		3
FLOOR AREA (length x width mm)		1280 x 600
HEIGHT (mm)		1400
CLEARANCE HEIGHT FOR ELEMENT REMOVAL (mm)		1600
APPROX.WEIGHT (kg)	DRY	200
	OPERATING	225
	LIFTING LID WEIGHT	35
VESSEL VOLUME (Litres)		25.6
INLET & OUTLET FLANGE (mm) / PIPE SIZE (ins)		40/1 <sup>1</sup> / <sub>2</sub>
BACKWASH & DRAIN FLANGE (mm) / PIPE SIZE (ins)		40/1 <sup>1</sup> / <sub>2</sub>
AIRLINE CONNECTION - BSPF (ins)		1/2
BACKWASH FLOWRATE (m <sup>3</sup> /hr)		2
BACKWASH TIME (mins)		3 <sup>1</sup> / <sub>2</sub>
ELECTRICAL POWER SUPPLY REQUIRED		110 V
		SINGLE PH
		50 Hz
POWER CONSUMPTION (watts)		3 Amp
POWER CONSUMPTION (watts)	< 100	
COMPRESSED AIR REQUIRED	PRESSURE (bar g/psi)	7 / 105
	VOLUME (Nm <sup>3</sup> /hr/Scfm)	42 / 25
INLET RAW WATER PRESSURE	MINIMUM (bar g/psi)	2 / 30
	MAXIMUM (bar g/psi)	6 / 84
MAXIMUM DIFFERENTIAL PRESSURE (bar g/psi)		2.5 (37.5)
VESSEL BASE	FUSION BONDED EPOXY (WRAS LISTED) - BLUE	
VESSEL LID	PVC-U	
EXTERNAL PAINT	FUSION BONDED EPOXY - BLUE	
PLEASE CONSULT KALSEP IF YOU HAVE ANY QUERIES ON PROCESS REQUIREMENTS		

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