



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 ³ /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 ¹ / ₂ |
| BACKWASH & DRAIN FLANGE (mm) / PIPE SIZE (ins) | | 40/1 ¹ / ₂ |
| AIRLINE CONNECTION - BSPF (ins) | | 1/2 |
| BACKWASH FLOWRATE (m ³ /hr) | | 2 |
| BACKWASH TIME (mins) | | 3 ¹ / ₂ |
| 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 ³ /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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