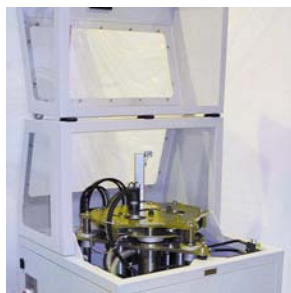


Product Data:-



Preface:

The *AutoFiltrex 4* is a fully automated stand-alone magnetic filtration system. The system is PLC driven and hydraulically actuated to deliver dry ferrous contamination from fluids and coolants. The *AutoFiltrex 4* operates in all fine finishing processes such as Grinding, Honing and EDM and can also be used in cleaning and spray processes.

AutoFiltrex 4 can be installed anywhere in the fluid delivery system either on-line or off-line and will ensure that even sub micron magnetic and paramagnetic particles are removed before they can cause any expensive damage.

For further information relating to the benefits and operation please refer to the supplied standard *AutoFiltrex 4* brochure.

Cleaning:

At pre-programmed intervals the pump shuts off and signals the magnetic elements to be raised up from the four active pods and rotated to the next position before lowering into the next pod. The movement is performed hydraulically and each pod rotation leaves a 'contaminant loaded' magnetic element in the cleaning position. From this cleaning position each time the elements are raised the contamination is scraped and squeezed from this element and falls onto an angled drip collector. At this point the contamination and excess fluid are separated. This leaves gives a dry collection of contamination.

The cleaning cycles are controlled by an onboard PLC and can be changed to suit flow rates and levels of contamination in the process fluid. This leaves you with only the metallic particles, which can be easily collected and processed. There are no consumable cartridges or dirty filtration media to dispose of.

Suitable Products:

Neat and soluble oils.

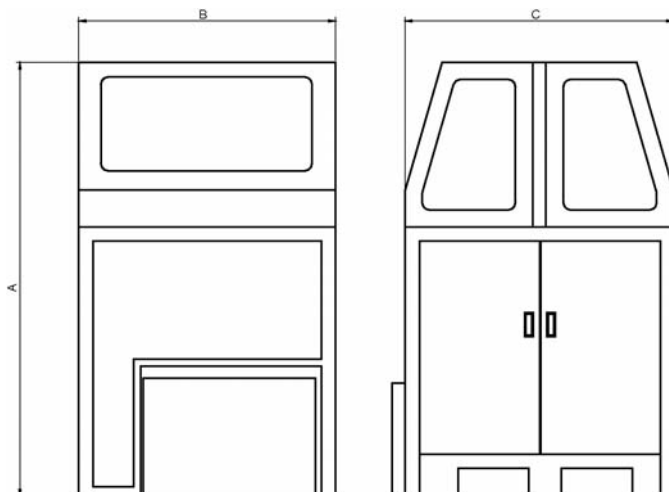
Installation Location:

AutoFiltrex 4 can be installed anywhere in the fluid delivery between the dirty and clean tanks or fluid system, this can be either on-line or off-line.

Benefits:

Sub micron filtration ■ Large holding capacity ■ High intensity Rare Earth magnetic material ■ Modular Free standing construction ■ Suitable for all machining applications ■ Environmentally ethical ■ No consumables ■

Technical Data:-



Sizes:-

Part No	Height A	Depth B	Width C	Flow Rate ltrs/min	Contamination Capacity
AF4	1530mm	900mm	950mm	350	8kgs
AF8	1530mm	900mm	1900mm	700	16kgs
AF12	1530mm	900mm	2850mm	1050	24kgs

Performance:-

Maximum Pressure	10 Bar g
Magnetic Performance:	High Intensity
Circuit Design:	Open
Pod Quantity:	4, 8 or 12
Flow Rates:	350, 700 or 1050ltrs/min
Movement Mechanism:	Onboard Hydraulic
Magnetic Material:	Rare Earth Neodymium Iron Boron
Magnet Grade:	N45 – Inspected & confirmed via hystergaph test prior to use
Temperature:	-20° C/ + 90° C

Materials:-

Housing:	304 Grade Stainless Steel
Lid:	Aluminium
Tube:	304 Grade Stainless Steel
Framework:	Powder coated Mild Steel
Sealing:	Viton O-ring