



FULLY AUTOMATIC
**GRAVITY
BANDFILTER**

0,2 - 30m²

*with and without
magnetic pre-separator*

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DESCRIPTION:

Our fully automatic Universal Clarifier separates any kind of contamination from any liquids.

Automatic regeneration saves interruption of the filtration process and therefore the production cycle is not interrupted.

A Universal Clarifier can be used successfully anywhere; its installation is very simple.

MODE OF OPERATION:

without magnetic pre-separator

The contaminated coolant is fed onto the continuous strip of filter fabric which runs off a reel. The fabric, carried by a special wire mesh-belt forms a deep trough with the belt, which permits a continuous flow of coolant through the filter fabric into the container below.

Increasing deposits of contaminations on the filter fabric gradually cause "cloudiness" of filter medium. This results in an increase of liquid level in the trough. An adjustable float switch controls the supply of fresh fabric when the liquid level in the trough has reached a pre-determined height by switching on the motor drive for the wire mesh-belt, carrying the filter fabric. In this way the renewal of filter fabric is achieved automatically in direct relation to flow rate and degree of contamination. The used filter fabric including deposits is carried away into an open sludge bin at the end of the unit which can be removed for emptying purposes without interrupting the filtration process.

with magnetic pre-separator

The liquid to be cleaned first passes over a continuous running drum with permanent magnets extracting almost all ferrous particles.

The pre-filtered liquid is then fed onto the Universal Clarifier, operating in foresaid manner. The amount of contamination to be separated by the Universal Clarifier after magnetic pre-filtration is considerably lower thus resulting in notable savings of filter fabric.

FEATURES:

- **Better Surface Finish**
Achieved through efficient separation of non-magnetic contaminations from coolants attaining a high degree of purification
- **Minimum Service Costs**
Through elimination of normal time consuming cleaning jobs
- **High Degree of Efficiency**
Savings through prolongation of service life of coolant and cutting down on tooling costs. Increasing of quality of products and reduced servicing costs
- **Universal Application Possibilities**
For the varied possibilities of applications of Universal Clarifier or demands of differing degrees of purification of filtered coolant various qualities of filter fabrics are available. The type best suitable should be determined by trials.

Best results are achieved with BEDATEC filter fabric

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