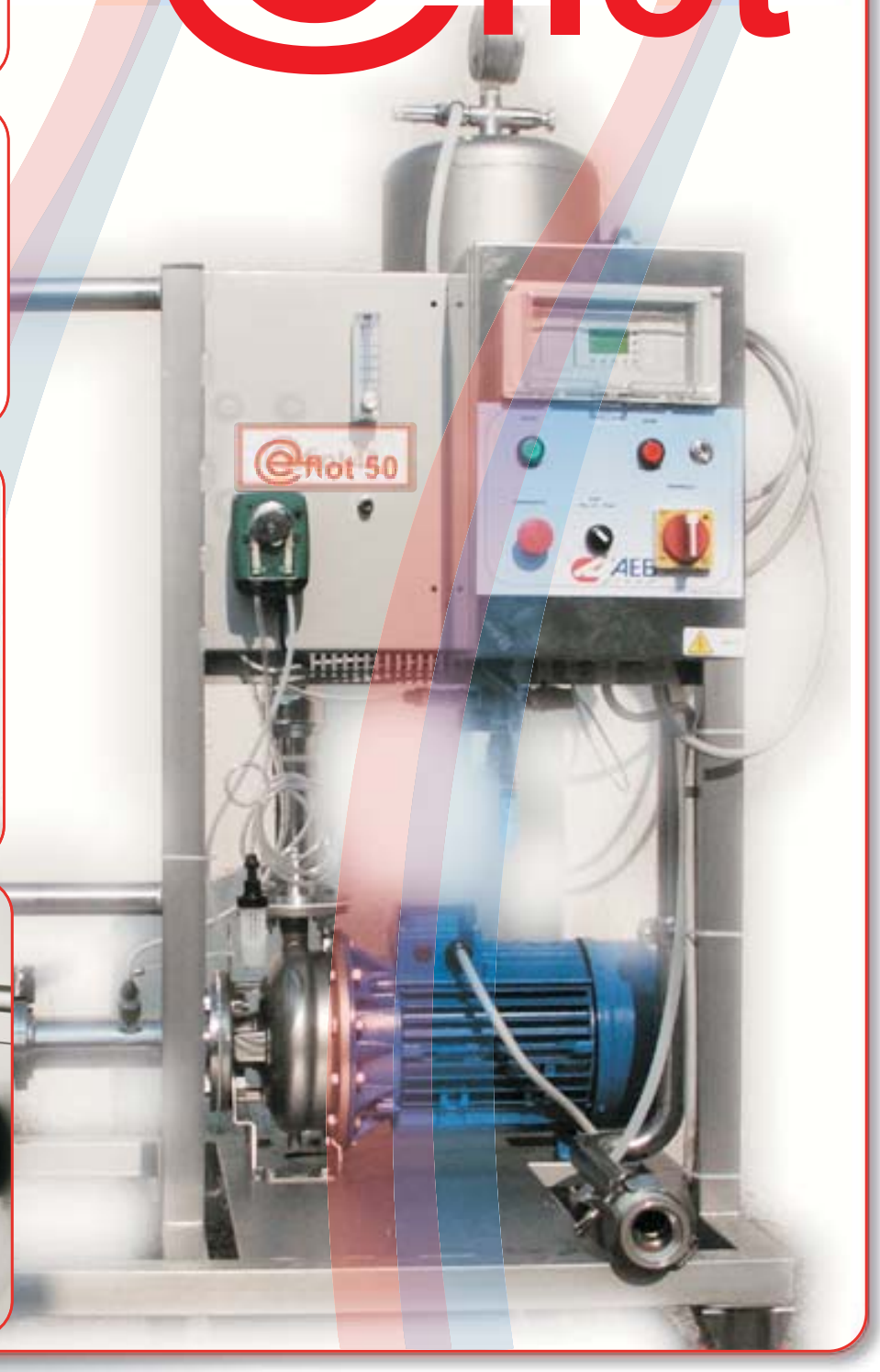
Clarification system of musts in tank



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AEB engineering

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eflot Clarification system of musts in tank

The clarification of musts with the help of eflot takes advantage of the principle of gas incorporation to the solid parts which build up the liquid turbidity. The gas binds with the suspended particles floating towards the tank surface and leaves the lower part clear.

This process takes place if the must is perfectly depectinized: for this purpose, we suggest the utilization of a specific enzyme such as ***Endozym*** eflot, that combines action quickness with a complete degradation of all colloidal components.
In order to obtain an excellent flotation, that is a better must clearness and a more marked separation of the cloudy matter, it is indispensable to dose a specific gelatin enabling to build flakes with a good consistence, englobing all the particles to be eliminated. Other clarifiers can be also utilized such as bentonite or silica sol, in the case a must deproteinization must be obtained.

eflot can be used to remove the suspended carbon before fermentation takes place.

The advantages of must clarification with eflot are:
- reduction of clarification times
- appropriate utilization of the agents
- marked reduction of lees residues
- energy conservation, in terms of cooling potential used to cool musts
- limited gas utilization.

The great versatility of eflot derives from its patented utilization options, enabling it to put the gas at the entrance of the pump to obtain exceptionally clear musts, and to dose the gas at the exit, considerably increasing the hour capacity.

Double system of patented gas dosage: Patent n. MC2009A000119

eflot 50 CNT Ideal equipment for the continuous flotation

This special model is ideal to be integrated with normal continuous flotation plant pools and completely substitutes the complete saturation group.

The equipment is composed by:
- double filter
- double flow-meter
- double gas injection
- inverter to manage the pump speed
- special 10 bar saturator.

Advantage with regard to the saturation group of a classic continuous flotation unit: easy to be used, easy to be calibrated, flotation with nitrogen (reduction), lower utilization of agents and easy to be cleaned.

Among the available optionals, there is a flow sensor to read the equipment flow and a system enabling the diffusion of the must into the tank: **E-Flot Sparger**.

All equipments are equipped with a filter with extractable gasket to eliminate skins and grapes. All equipments are assembled on a trolley with guiding wheels and all the parts composing them (electric panel, trolley and frame) are completely made in stainless steel.

The eflot range is so composed:

eflot 10

The capacity in clear must configuration is:		To reduce clearness increasing the capacity the gas is dosed at the exit of the saturant, obtaining:	Dimensions
eflot 80	800 hL/hour	1000 hL/hour	dim. 120x100x180-weight 350 kg
eflot 50	500 hL/hour	650 hL/hour	dim. 100x80x180-weight 220 kg
eflot 50 CNT	150-400 hL/hour	350-450 hL/hour	dim. 120x100x180-weight 350 kg
eflot 25	250 hL/hour	320 hL/hour	dim. 80x65x130- weight 130 kg
eflot 10	120 hL/hour	150 hL/hour	dim. 80x65x110- weight 110 kg
eflot 5	50 hL/hour	70 hL/hour	dim. 60x45x80-weight 50 kg

eflot 25

eflot 50

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