

•	Now (With separator	Diff.	Diff. (%)
Pomace (t)	2.000	2.260	260	13%
Dry solids of pomace (t)	900	941	41	5%
Pomace oil (t)	90	111	21	24%
Water for removal (t)	1.100	1.319	219	20%

Our services contain, in addition to product delivery, project and engineering support and advice regarding use, maintenance and installation.

Do you want to know more about what AMKCO Europe can do for you?

Please contact our screening technology specialists and ask for our options.



Above table is for pomace plants that receive pomace from olive mills that have installed an AMKCO separator.

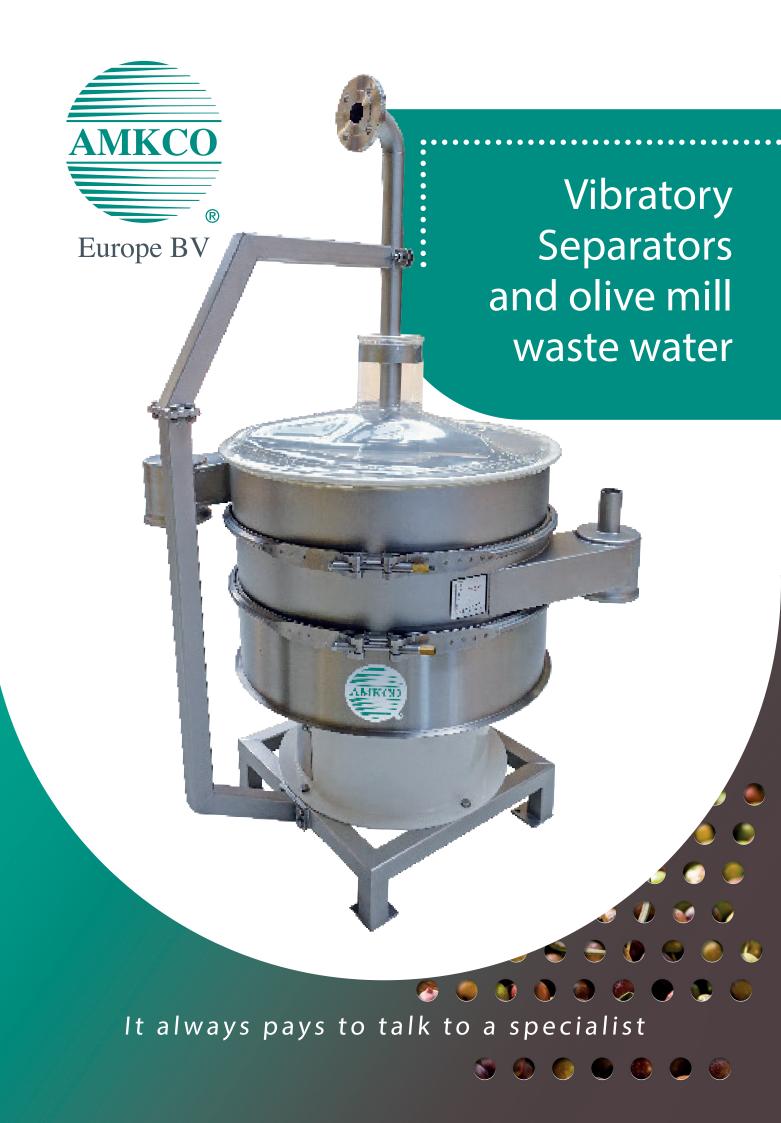
In addition, we have installed separators in the pomace plants in waste water processing and for dry pomace classification.

AMKCO Europe BV

'It always pays to talk to a specialist'

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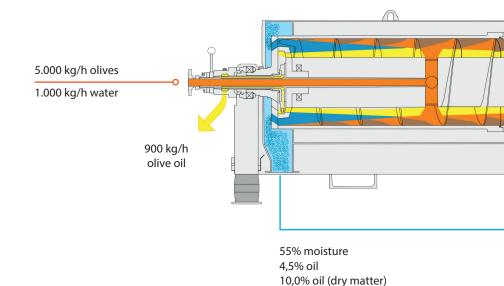


Pomace recovery from 3-p

Black water from 3-phase decanter is no longer a problem, but a money maker.

Thanks to the installation of an AMKCO vibratory separator

How to separate olive waste to re-usable water







All olive oil mills with 3-phase

decanters are producing a water

phase as an effluent. This waste

water comes from the water that is contained in the olives and also from the water that is added in the decanter for better separation.

It contains a relatively high proportion in solids and oil.
Using a special AMKCO vibrating separator in continuous flow, it is possible the mechanical separation of most of the suspended solids from the water phase.

The solids that are produced can be added to the main pomace stream so more pomace oil is produced.

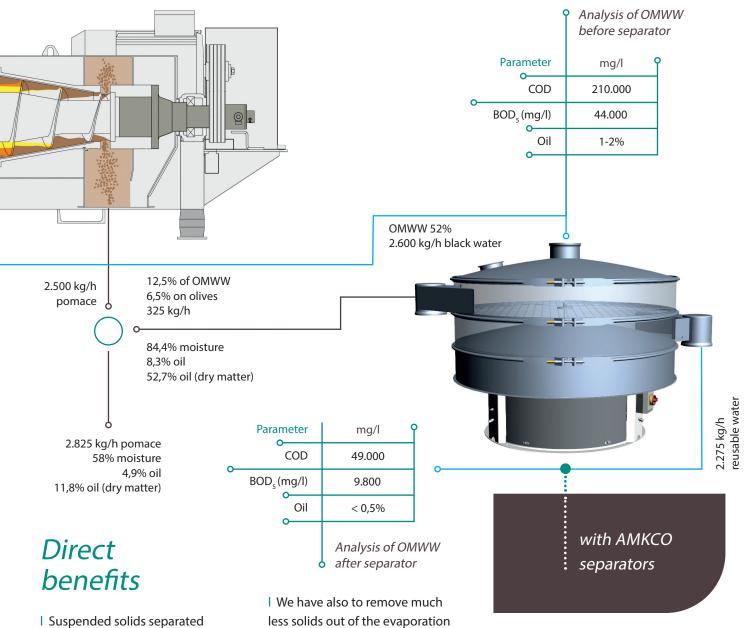
Composition of the solids produced from the separator are showing values from 6,2% up to 10% oil, and usually 50% oil in dry matter.

Removing these suspended solids from the waste water, the latter has oil remaining usually less than 0,5%, and the COD & BOD5 values have a reduction of approximately 80%.

The pomace that is produced when enriched with these solids, has on average 30% greater oil content setting a greater value for all aspects of the business.

Process description

hase olive mill waste water



- are on average amounting 7% of the olives processed. This extra amount is added to the main mass of pomace produced. The solids contain on average 8% oil and 80% moisture.
- In evaporation lagoons there is no sludge or oil trapped on the surface or precipitation on the bottom so we have much easier evaporation with less odour produced.

- lagoon at the end of the summer.
- I The simply but effectively processed waste water, since it has much less oil content that can block natural respiration of the soil, is ideal for fertilizing the olive yards but also others like corn, sunflower, grapes, etc. This is allowed in Greece, Italy and Portugal at a maximum quantity of 20 / 8 / 5m³ per acre per year respectively. This effluent contains high levels of potassium that is
- needed and the only toxic constituent present is phenolic compounds which are biodegraded in the soil within 20 days.
- I In many cases the processed olive oil waste water is re-used for decanter feeding in order to reduce both fresh water inlet and waste water outlet.
- I The 3-phase pomace has typically 30% increase in oil content.