

RECP Best Practices Catalogue

Recovery of bleaching bath

Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Recovery of bleaching bath

SECTOR: Textile & Readymade Garments

Branch: Finishing of textiles

CATEGORY Process control or modification

APPLICABILITY Process

COMPANY SIZE 20

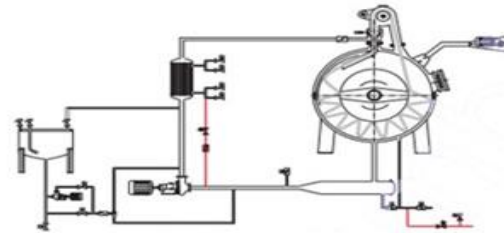


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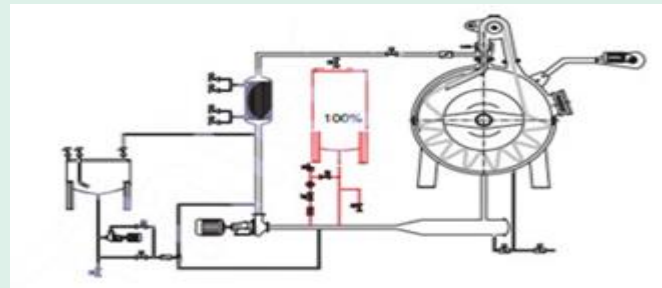
Description of the Problem (Base Scenario):

Currently, the company uses a whole machine solely for the bleaching process. The water from different washing baths is emptied directly into a waste water treatment plant to be mixed with the dyeing water. You will find below the machine diagram:



Description of the Solution

It involves the set-up of a tank for recovering the baths, as shown in the diagram below:



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Economic Gains

Economic gain: € 21,142

Environmental Gains

Water gain: 1,960 m³/year

Gain in chemicals (oxygenated water, caustic soda and stabiliser) 1,237 kg/year

Gains in COD (chemical oxygen demand): 1,460 kg/year

Gain in BOD₅ (biochemical oxygen demand): 608 kg/year

Gain in solid waste: 61 kg/year

Health and Safety Impact

No direct Health and Safety Impact



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Capital Investments & Financial Indicators	€ 20,000 Time for Return on Investment: 1 year
Supplier Information	<i>Stainless steel tank manufacturer</i>
Other aspects	No obstacles
Implementation	Measure under implementation



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