

WATERLESS WASHING TECHNOLOGY

REF: TT/ January 2018 / WK 3

Introduction

The problem of water scarcity is a growing one. Besides domestic and agriculture, various industries consume a lot of water. Among all the industries, the garment industry is one of the most water-consuming ones. According to a study, to produce only 1 kg of jeans almost 10,850 litres of water is required.

To combat this ever-growing issue, many machine manufacturers have come with new technology based machines.

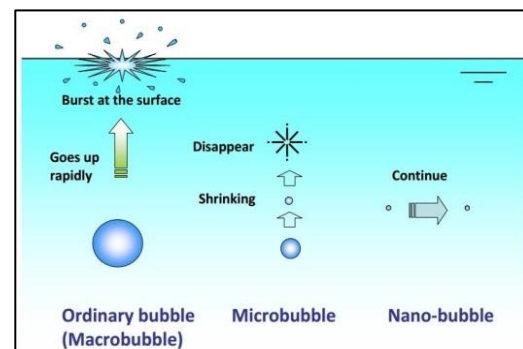


Different Technology Based Machines

One of them is E-Soft which is based on nano-bubbles. E-Soft transforms the air in the atmosphere into nano-bubbles which allows 98% water saving, along with a reduction of 79% in energy and 80% chemical products.

E-Soft makes garment softening possible to soften without using water or chemical allowing on top of this, a considerable saving in energy compared to traditional processes.

Laser technology based washing machine is another one. Air from atmosphere is transformed into a blend of active oxygen and ozone called 'Plasma'. The plasma is transformed into the purified air before it is returned to the atmosphere.



Summary

To save water is the need of the hour. Along with machine manufacturers, global apparel brands are also working hard on producing less water garment collections.

Wishing you all a great week ahead!

Technical Tuesdays is a knowledge sharing initiative by Resil Chemicals Private Limited
arc@resil.com | www.resil.com.