



BIOTON

(*) Technology developed by and acquired from **MONSANTO**

Applications

- Flavor and fragrances
- Municipal wastewater treatment & waste handling
- Composting
- Tobacco
- Solvent users
- Food processing
- Chemical manufacturing
- Solvent-based printing
- Film production
- Oilseed processing
- Many more....

Benefits

- Relative low capital cost
- Very low operating cost
- High VOC and Odor reduction
- Environmental friendly technology – no chemicals or supplemental fuels required.



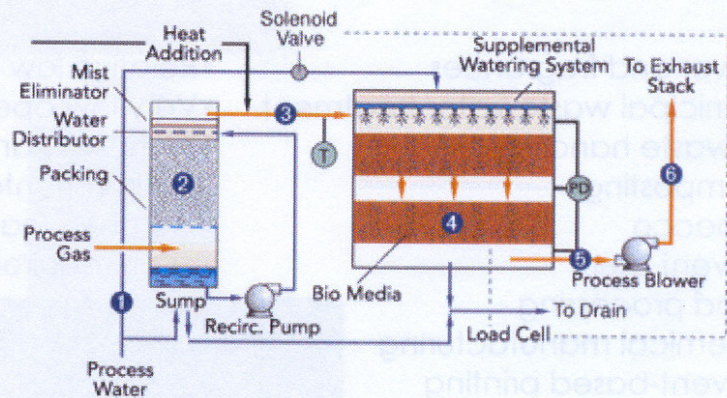
How it works

1 A contaminated air stream is ducted and routed to the BIOTON biofiltration system. The contaminated air stream first enters a humidification vessel and is drawn upward through a plastic packing material. 2 As the air flows upwards through the packing, water flows downwards over the packing. This countercurrent operation saturates the contaminated air with water vapor. 3 Once saturated, the con-

The contaminated air passes 4 downwards through the biological active media. As this occurs, the contaminants in the gas stream are transferred to a water film surrounding the biologically active media.

Microorganisms present in this water film oxidize the contaminants to innocuous end-products such as 5 CO_2 , H_2O , and common salts.

6 The once contaminated air collects in the bottom of the biofilter and exits the vessel. The cleaned air



Over 100 Full Scale Installations Worldwide including: GE Plastics (Netherlands), Givaudan (Germany, Netherlands, Switzerland & USA), Dow Chemicals (USA), British American Tobacco

