

## ARTIFICIAL GRASS YARN PRODUCTION WITH VAPOMAT HT



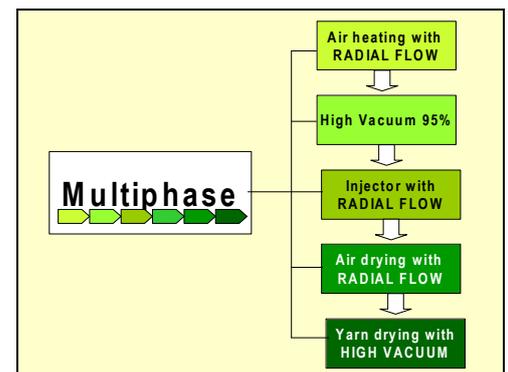
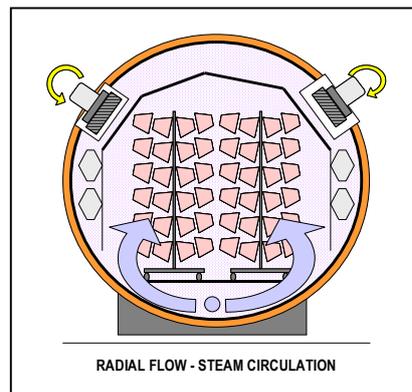
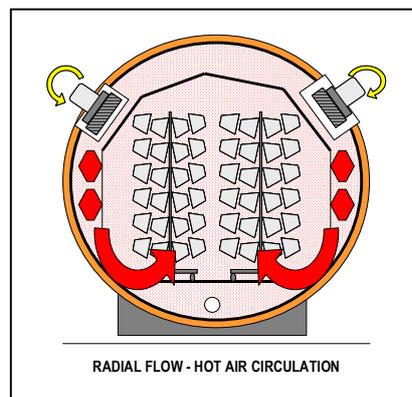
### GRASS YARN PRODUCTION

Production of grass yarns demands fixation of the fibres under high temperature (heat-setting). This fixation takes place combining vacuum with saturated steam. The expanding steam condenses on the yarn surfaces and transfers the heat onto the fibres. The heat applied fixes the polymers in their new position durably.

VAPOMAT HT with RADIAL FLOW system incorporates one or more powerful radial fans placed on top of the autoclave to collect the air inside the autoclave and redistribute it via a channel system to the yarn.

The system will be in motion during both the pre-heating and the steaming phase, ensuring controlled heating of the yarn.

This sophisticated circulation results in a permanent and even steam flow around the material. Differences of temperature or moisture cannot occur within the autoclave.



### MULTIPHASE PROCESS

Multiphase combines the most innovative technologies for the quality steaming with the best results. HIGH VACUUM in combination with INJECTOR and RADIAL FLOW guarantee best performance. The proven steam INJECTOR ensures sensitive control of temperature during the heat setting cycle.

**VAPOMAT HT are the heavy duty and high performance heat-setting machines for all applications. VAPOMAT HT is a proven technological element in grass yarns production and used by the leading grass yarn manufacturers (references can be given personally).**