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**MACHINES FOR WRAPPING DRAINAGE PIPES WITH A DEFINED
VOLUMINOUS SYNTHETIC FIBER FILTER**

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ABSTRACT The use of wrapped drainage pipes with voluminous synthetic fiber filters has been very common for the past 30 years in Europe due to their ease of use that eliminate the need for transporting and laying gravel filters that are invariably more expensive. The corrugated flexible drainpipe pipe is completely wrapped with a voluminous fiber filter and the advantages in comparison to gravel filters are: 1) The filter can be produced according to required specifications. Permeability of the filter can be precisely defined by blending different fibres 2) The Filter offers a higher efficiency against silting up as the correct filter can be used for different types of soil. 3) Higher water absorption of the pipe compared with a non-wrapped pipe as the penetration resistance is reduced along the pipe by using a voluminous fiber filter. 4) Highly uniform filter along the whole pipe 5) Filters are easy and cost effective to produce 6) Easy and trouble free installation. A.H. Meyer Maschinenfabrik manufactures very effective machines for wrapping voluminous filters from loose fibers around drainage pipes. The defined permeability of the filter is achieved by precisely blending new and recycled polypropylene (PP) fibers in defined proportions. For example PP450 (permeability is 450 microns). This is done in accordance to the worldwide accepted KOMO Standard for voluminous fiber filters. The machines can also wrap prefabricated filter blankets. A.H. Meyer is the pioneer and worldwide leading company for pipe wrapping machines and has delivered over 100 machines worldwide. The sister company RBM Twistringer Drainfilter is the worldwide biggest pipe wrapping company. www.roess-nature-group.com

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