HYDAC INTERNATIONAL

Filter Element Technology

1. GENERAL

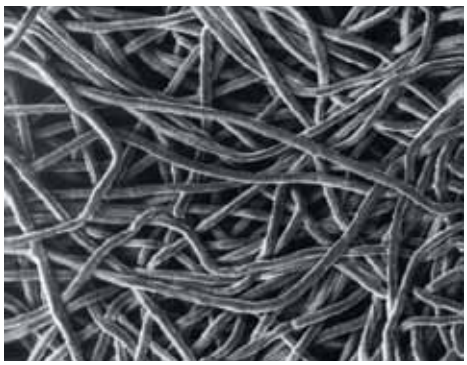
The product range comprises components for the filtration of low and high viscosity fluids for the process engineering, chemical and plastic processing industry, e.g. acids, alkalis, water, superheated steam/gas and polymer melts.

2. TECHNOLOGY

Different filter media (Chemicron® metal fibre and wire mesh) or a combination of these are used for the filtration process.

Chemicron® metal fibres consist of a multitude of very fine and evenly distributed stainless steel fibres (316L, special materials on request) which are joined together using a sintering process.

The essential advantages of this highly porous filter material over other materials, such as wire mesh and sintered metals, are the high contamination retention capacity and the high porosities up to 90 %.



Chemicron® metal fibre

3. APPLICATION

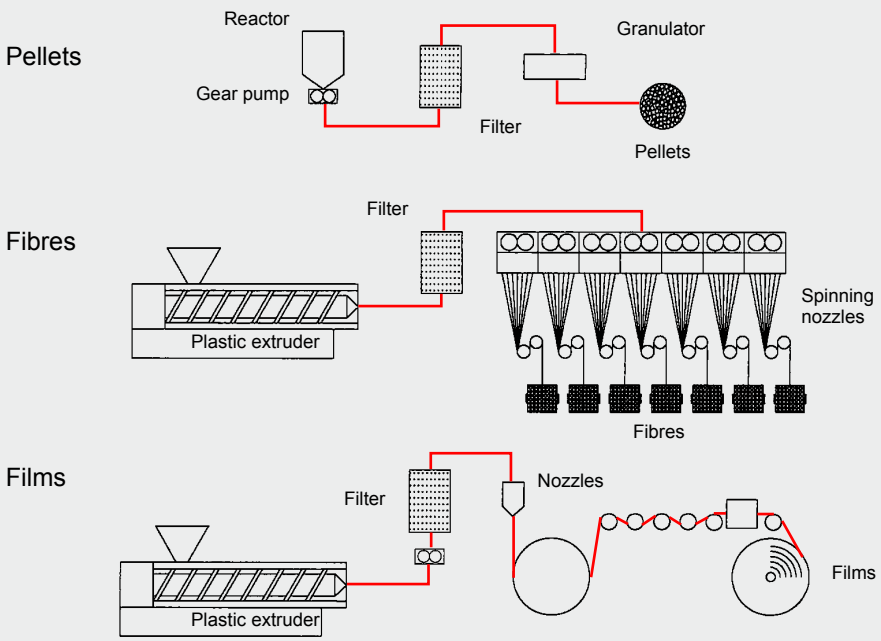
A specialist area of fluid filtration is in the production and processing of plastics.

In addition to the contamination brought in from outside and present in the manufacture of raw materials, the presence of gels often causes further problems in product quality assurance.

Filtration using special filter elements with Chemicron® (metal fibre), in filtration ratings of 1 and 100 µm absolute, has proven most effective in this field.

The filter elements are supplied in pleated form as standard or special elements.

Application schematic for production of pellets, fibres and films



For further information on element technology from HYDAC Process Technology, please contact our technical sales department.

NOTE

The information in this brochure relates to the operating conditions and applications described.
For applications or operating conditions not described, please contact the relevant technical department.
Subject to technical modifications.

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