

Specification for

Pipeline filters, filter bodies and filter elements for milking installations

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Dairying Standards Committee (DAC/-) to Technical Committee DAC/31 upon which the following bodies were represented:

- British Agricultural and Garden Machinery Association Ltd.
- Dairy Trade Federation
- Department of Agriculture Northern Ireland
- Edinburgh School of Agriculture
- Farmers' Union of Wales
- Filtration Society
- Milk Filter Manufacturers' Association
- Milk Marketing Board
- Milk Marketing Board for Northern Ireland
- Milking Machine Manufacturers' Association
- Ministry of Agriculture, Fisheries and Food
- National Farmers' Union
- National Institute for Research in Dairying
- North of Scotland College of Agriculture
- Scottish Milk Marketing Board
- West of Scotland Agricultural College

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Foreword

This first revision of this British Standard has been prepared under the direction of the Dairying Standards Committee. It supersedes BS 5190:1975 which is withdrawn. At the time of publication of this British Standard, no corresponding International Standard exists or is in preparation.

The purpose of a pipeline filter is to remove any insoluble material, e.g. vegetable matter from dung, feed or bedding and inorganic matter from soil or dust, that has entered the milk after milk has left the udder. Such material [which is called visible dirt (see BS 4938-2)] can enter milk either because it has not been removed from the teats prior to applying the teat cups or because of contamination when clusters occasionally fall to the floor during milking.

Milk should be free from visible dirt. In practice there is a lower limit to the smallest amount which is detectable. Some fine particles of dirt are smaller in size than fat globules and a filter which would remove fine dirt would also remove fat globules and thereby change the chemical composition of the milk. Care is therefore necessary in the selection of filter media. In general the removal of dirt by filtration is unlikely to improve the bacteriological quality of the milk and indeed, the prolonged use of a dirty and contaminated filter would cause bacteriological deterioration. The use of pipeline filters for milking installations does not absolve the milk producer from taking the necessary precautions to avoid dirt entering milk nor can it give him protection against legal action. Rather it is intended that pipeline filters should remove particulate matter which, in spite of good milking practice, may on occasions inadvertently enter milk.

In specifying filtration efficiency it has been necessary to make assumptions concerning the nature and quantity of visible dirt found in milk and for this purpose use has been made of surveys carried out by the National Institute for Research in Dairying.

Attention is drawn to the Materials and Articles in Contact with Food Regulations (SI 1978, No. 1927) which apply to materials in contact with milk.

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Summary of pages

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This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.