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Filter Candles and Metafilter

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Filtration Equipments

1. Filter press
2. Meta filters
3. Filter leaf
4. Membrane filters
5. Filter candles
6. Sintered filters



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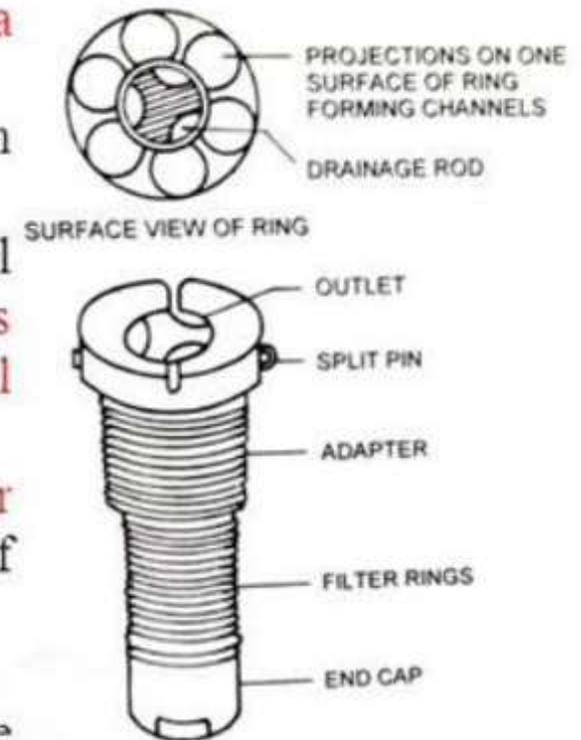
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2. Meta Filters

- Meta filters are the filters which are used to separate **very fine size particles** from the liquid or solid suspensions.

Construction

1. The construction of meta filters consists of a **series of metal rings**.
2. It contains a metal grooved drainage column on which a series of **metal rings** are packed.
3. These rings are usually made of **stainless steel** and have dimension of about **15 millimeters** internal diameter and **22 millimeter external diameter**.
4. Each metal ring has a number of **semi circular projections 0.8 mm** in thickness on one side of the surface.
5. The **projections are arranged** the same way up.
6. These rings are **tightened** on the drainage column with a nut.





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Working

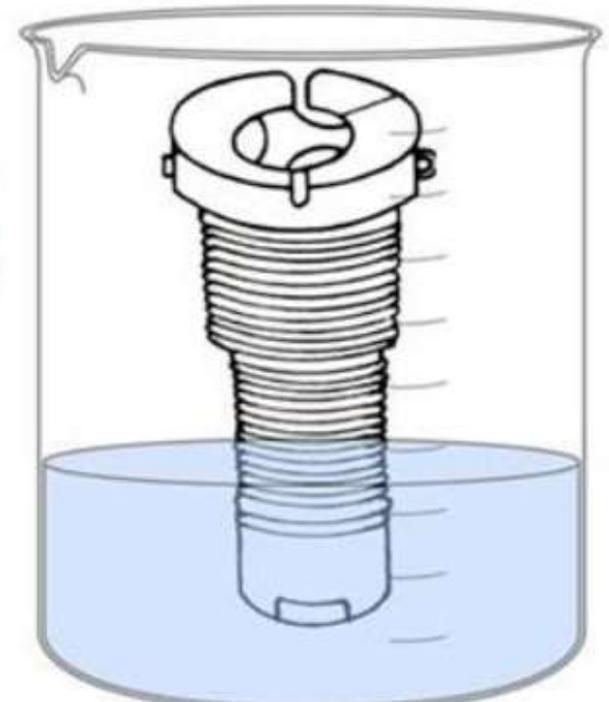
1. The entire assembly is placed inside a pressure vessel, containing the liquid to be filtered.
2. When vacuum applied liquid will flow from outside to inside.
3. The clear liquid is collected in to a receiver from the top.

Use

- Used mostly for clarification of syrups, elixirs and parenteral solutions.

Advantage

- It possess considerable strength and hence can withstand high pressure





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Thank you

