

FILTRATION EQUIPMENT for the PHARMACEUTICAL INDUSTRY

SINGLE and MULTIPLE BAG and CARTRIDGE FILTERS

Individually designed to customer specifications.

Manufactured to current pressure vessel standards.

Connections, linings, and surface finish as required.



BAG FILTER MODEL : LB2 X 4 SS FEP



BAG FILTER MODEL : LB2 SS



CARTRIDGE FILTER MODEL : LC 4 X 500 SS FEP



BAG FILTER MODEL LB1 X 3 SS

HIGH TEMPERATURE FILTERS

These filters are designed for use with hot fluids, such as heat transfer oils, with operating temperatures up to 300 deg. C

Filter media are provided according to fluid specifications.



Pipework, connection flanges, orientations and pressure ratings are to customer requirements.

Materials of construction include stainless steels SS 304, 316 and carbon steel.

Construction standards are to 97 / 23 / EC or BS 5500 or equivalents.

Differential pressure instrumentation to indicate filter element blocking or blinding, high temperature valves and other accessories can be added.



FILTRATION MEDIA

CARTRIDGES :

Wound glass fibre on steel core 1 - 100 microns

Sintered stainless steel mesh 1 - 200 microns

Perforated sheet, with or without woven wire mesh for coarser particle removal and CONIDUR® conically perforated sheet (blinding resistant).

BASKET STRAINERS with a similar media and **BACKWASHABLE** units are available.



Cartridges are individually secured on robust tubes with cap-nuts to ensure by-pass free operation.

2 STAGE FILTER

BAG FILTER - CARTRIDGE FILTER



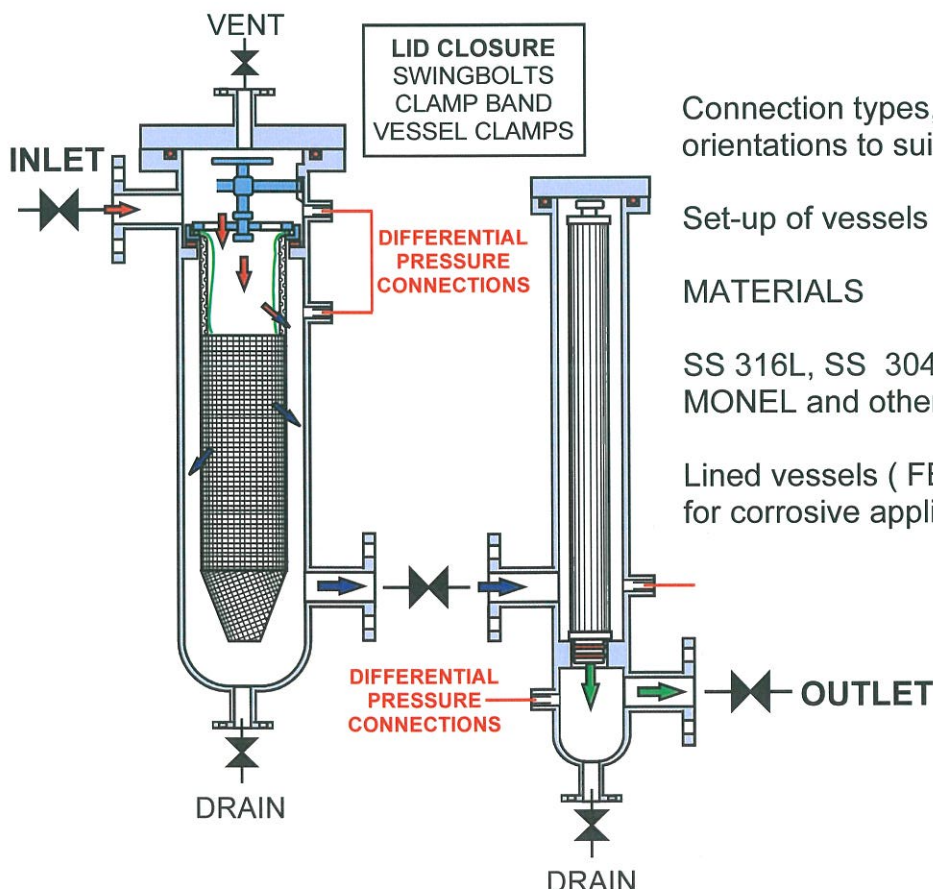
2 STAGE FILTER

- STAGE 1 BAG FILTER
 Removes bulk of coarse particles
- STAGE 2 CARTRIDGE FILTER
 Removes all finer particles to reach filtration specification

FILTER MEDIA

All types of filter felts, cloths or meshes.

All types and specifications of filter cartridges.



Connection types, sizes and orientations to suit installation / application.

Set-up of vessels to suit applications.

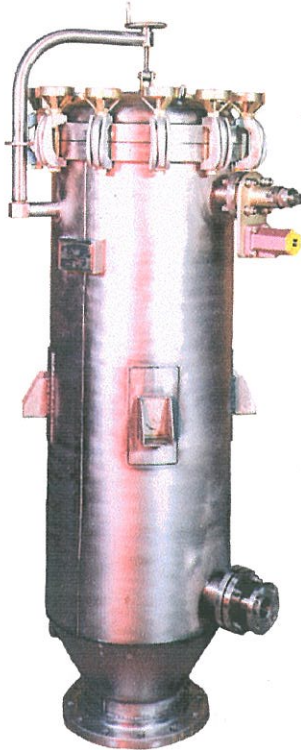
MATERIALS

SS 316L, SS 304 L
 MONEL and other nickel alloys.

Lined vessels (FEP, PP etc.)
 for corrosive applications.

With legs, support brackets
 or trolley mounted.

VERTICAL LEAF FILTERS



Manufactures of pressure vessels for
vertical and horizontal pressure leaf filters

for the filtration of :-

- vegetable oils
- mineral oils
- deodourised oils
- bleached oils
- process fluids
- polishing



Repair, remesh and replacement of damaged leaves for
all makes and models of vertical and horizontal leaf filters

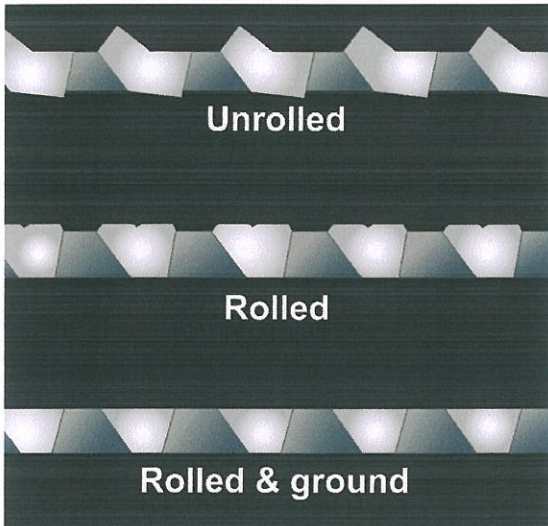
Complete sets of leaves available from stock

Types of mesh available include 24 / 110, PZ 80, PZ 40 in grades 316 and NSCD



Also : bag cartridge and backwash filters, sieves and screens, wire mesh and perforated sheets

Conical / oblique perforations
Non - blinding / directional



CONIDUR® can be fabricated into many types of screens and filter elements



- 1 centrifuge screen
- 2 impact centrifuge screen
- 3 oil filter element
- 4 "turbo-cascade" screen
- 5 bead mill cylinder
- 6 water treatment element
- 7 cheese mould

CONIDUR®

Fine hole sheet

CONIDUR® perforated sheet has a unique type of hole. Strongly conical and obliquely pierced, the punching method allows small holes in thick sheets, giving great strength. The cold working further increases hardness and durability.

The upper surface is rasp-like, ideal for grinding applications. The conical hole effectively reduces blinding.

CONIDUR®'s rolled and/or ground smooth surface is well suited to fluidisation and conveying.

CONIDUR® is available with round/triangular or slotted holes.

STAINLESS STEELS

SS 304, SS 316

Sheet thickness 0.2 to 1.5 mm

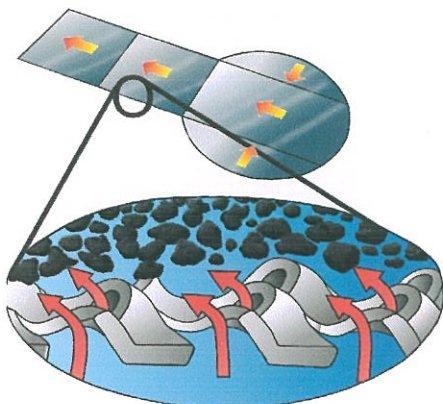
Hole size 0.06 to 6.5 mm

MILD STEEL

Sheet thickness 0.5 to 2 mm

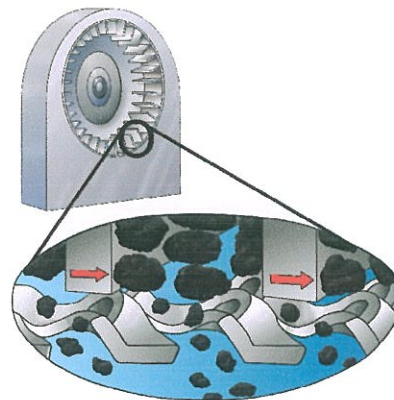
Hole size 0.1 to 6.5 mm

Also;
 nickel alloys, aluminium
 copper, brass, monel, silver
 titanium and tantalum



FLUIDISATION

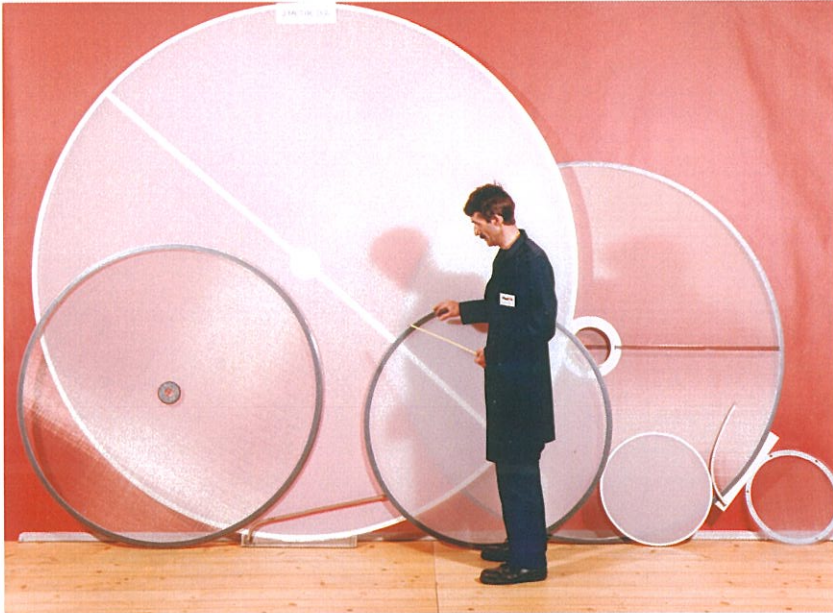
Oblique perforations convey the product along the process line



MILLING

Rasp-like lip and conical holes improve grinding action and reduce blinding

CIRCULAR VIBRATORY SCREENING



REPLACEMENT SCREENS

SCREEN REMESHING

STAINLESS STEEL MESH
 HIGH CARBON STEEL
 NYLON
 POLYESTER
 POLYPROPYLENE

APERTURES from
 MICRONS to MILLIMETRES

ACCURATELY TENSIONED FOR MAXIMUM OUTPUT



SCREEN fitted with
 ULTRASONIC VIBRATOR



SCREENING MACHINE
 FITTED WITH TELSONIC®
 ULTRASONIC VIBRATOR