

Self Cleaning Strainers

These filters are used for handling large volume of fluid where continuous removal of debris is required to maintain pressure equilibrium in the pipeline. These Filters work on edge filtration principals. For water services it can be used for coarse filtration with M.S./ G.I. Filter element shims or nylon brushes. In the case of oil, filtration down to 100 microns can be given at economical rates. It can be given in manual operation or motorized operation. Cleaning is done by just rotating the handle by manually or automatically without opening the cover.

Suction Strainer

Suitable for installation in the storage tanks below liquid level on pump's suction inlet pipe. These are available in S.S. 304/S.S. 316/M.S./Brass construction.

Conical Strainer

These are also called temporary strainers used as strainer for testing of the line. These are suitable for liquids, steam, compressed air, chemical etc. These are available in SS 304/SS 316/ M.S./ Brass construction. These are easily mounted between the flanges and are available in different flange sizes like I.S. series, D.I.N. Standard, J.I.S. Standard, A.S.A. and other National and International standards. It can also be used in batch filtration like funnels.

Back Flushing Filters

These filters are used where amount of debris is on higher side. In these type of filters reverse of water/ compressed air is provided for cleaning of the filter cartridge/ basket. Debris goes out from the vent nozzle of the filter housing.

Bag Filter

In these filters is provided as per other filters but filter bag is provided instead of cartridge/basket. It is generally used for fine filtration because it is economical in comparison to cartridge/basket. Because fine filter can not be cleaned so bags are thrown after a span of a particular time. Bag can be given in PP. Polyester, Nylon and Cotton

Simplex (Basket) Strainer

These filters are provided with single cartridge/ basket, so they are called simplex filter.

- Simple but robust design
- Used where flow can be interrupted for cleaning of filter elements
- Doom end cover provided at top of filter so as no spillage when fluid level goes down on removal of cover
- Basket area to pipe C.S.A ratio over 25:1 can be given in fabricated construction
- Multi Basket/Cartridge filter available in fabricated construction for
 - High filtration ratio

- Easy handling of basket/cartridge by increasing the cleaning time
- It can be provided for very large filtration area
- Stream flow design can be given in casted and fabricated construction which reduce the pressure losses
- Can be supplied with steam jacketing for heavy fluid

Size Range - Screwed -(¼ tp 1 1/2")
 Flange -(1/2"to12" in casted material)
 -(2" to 40" in fabricated material)

Duplex Filter/ Twin Strainer

- Used wherever continuous operation is required and flow not to be interrupted for cleaning of filter element
- Consists of two filtration chambers each rated for 100% capacity connected in parallel by means of 3 way ball valve
- Diversion of flow without interruption of flow with manual change over valve or automatically operated
- Higher flow rates handled by disc type change over system, having large filtration area for raw water/ sea water etc)
- Can be manufactured in casting/fabrication as per requirement Can also be available with steam jacketing for fluid like (L.D.O./H.F.O./Bitumen etc.)
- Available in wide range of filtration from 2 micron to 500 microns

Y' Type Strainer

Construction of these strainers is shown by its name itself. These are generally used as a pipe fitting for coarse filtration. Due to its compact design it is easier to fit in overhead pipelines. Pressure drop is slightly higher in these strainers.

- Construction of this strainer is synonymous with its name used where debris needs to be removed frequently.
- Simplest Kind of strainer, can be used as pipe fitting.)\
- Available in screw type & flanged construction. s\ Forged, Cast and fabricated construction available.
- Basket area to pipeline C.S. A ratio of 2.5 :1 in casted construction, it can be given as per requirement in fabricated construction

Size Range - Screwed Connection (1/2" to 3")
 - Flange Connection -(1" to 12" in casted material)
 -(3" to 20" in fabricated material)

T Type Strainer

It is synonymous with its purpose. It is to remove physical impurities from liquids, steam, gases etc. It is available in screw and flanged construction. Available in forged, cast and fabricated construction. It is used for inline application.

Size Range -(1" to 2" in casted material)
 -(3" to 12" in fabricated material)