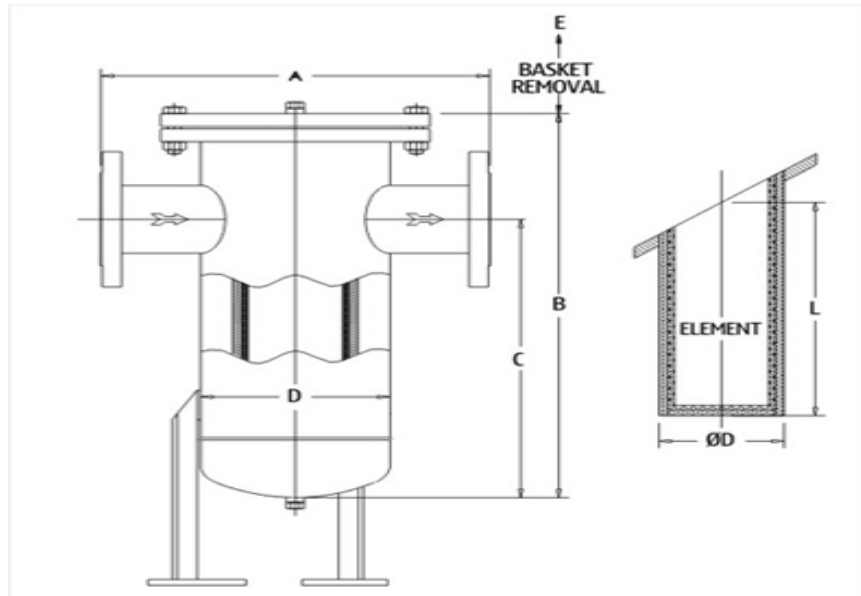


### Simplex Basket Filter

Simplex Basket filters and strainer are normally designed with cylinder or square housing construction having cylindrical single element or concentric element or can have multi element in one housing.

Flow of fluid in this filter can be in to out or out to in across the filter element depending upon applications.



### Principles:-

Simplex Basket filter are normally used for batch operations where the liquid flow may be interrupted periodically for cleaning purpose or other maintenance.

### Operations:-

Basket strainers feature top removal of the filter screen. The screen is in the form of a basket, with a lifting handle, so that all particulate captured and retained by the screen can be easily removed for disposal. They are intended for applications where large amount of solids particulate are expected and where the clean-out will be frequent.

### Working:-

Strainers can be manufactured in any shape or size in a wide range of materials to meet industrial specifications. These filters are available with basket type strainers as well as cartridge strainers having desirable micron ratings. Design with cartridge filter has an added advantage of incorporating back flushing system.

### Applications:-

Where continuous operation is not required and the line can be shut down for cleaning simplex basket strainer can be used. Applications where high dirt loads are anticipated.

### Industries Served:-

- Chemicals & Petrochemicals: Solvents, solutions, chemical filtration, acids, bases
- Food & Beverage: bottled water, beers, wines, flavours, polishing, clarification
- Health Care & Pharmaceuticals: Membrane filtration, ophthalmics, oral medicines, serum
- Industrial processes: clean water, removal of carbon
- Paints & Coatings: paints, coatings
- Industrial water treatment
- Electronics: High purity water, photo resists.

### Advantages:

- Superior filtration area
- Can be custom built
- Debris collects away from the process stream

### Disadvantages:

- Higher cost
- Can be serviced only off line
- Significant size and weight