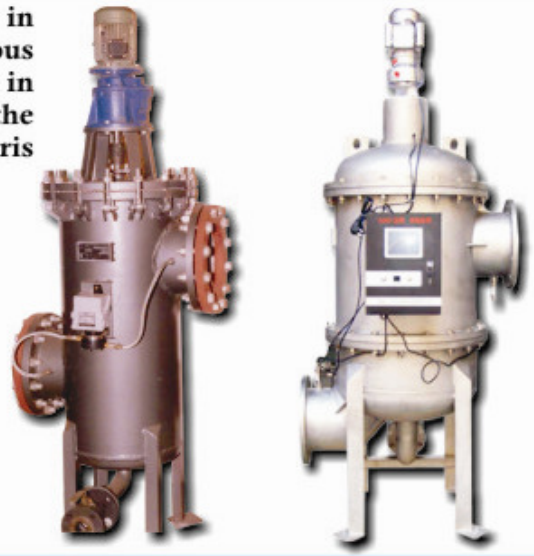
Since-1980
AN ISO 9001:2000
APPROVED COMPANY

Cadillac

The CADILLAC Fabricated AUTOMATIC SELF-CLEANING FILTER utilizes the latest technology in backwash strainer design. The Strainer cleans itself using a backwash system which is continuous and/or controlled by an automatic control system. A tubular backwash assembly slowly rotates in close contact with the internal wire mesh straining element, isolating only a small portion of the Element at any given time. Debris is removed by a backwash flow which carries unwanted debris away from the internal element and out of the strainer. The operation is detailed as follows :



Applications

Process Industry
Power Industry
Chemical Industry
Oil & Gas
Metals & Mining
Water & Waste Water
Pulp & Paper

Features

Filtration down to 50 micron
Pressure to 50 BAR
Temp to 200°C
In line & off line
Quick opening system
wedge wire screen

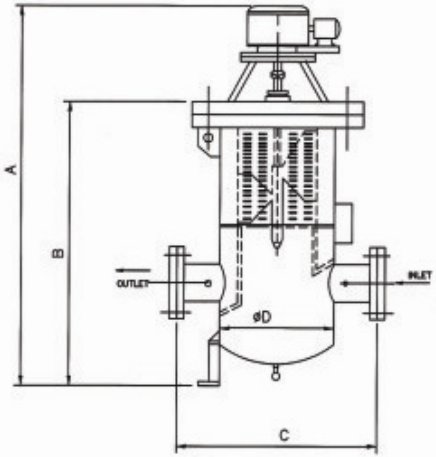
Materials of Construction

Carbon steel
Stainless steel
Other materials upon request

Size

Fabricated - 4" (100 mm upto) 24" (600 mm) more on request.

End Connection - Flange type (i) Flat Faced (ii) Raised Face • Rating - 150#, 300#



Standard Dimension for Fabricated ASCF of 150#

SIZE	A	B	C	D
100NB	1400	1000	850	400
125NB	1450	1050	900	400
150NB	1500	1100	990	508
200NB	1550	1150	1050	610
250NB	2000	1690	1150	711
300NB	2300	1950	1200	810
350NB	2730	2480	1400	910
400NB	2730	2480	1400	1020
500NB	3300	3050	1500	1020
600NB	3900	3640	1620	1020

Operation

- The debris laden dirty through it enters the strainers large bottom chamber. Flow continues upward passing in a radial manner through the "sealed" screen element.
- Unwanted materials are trapped on the inside of the filter elements screen. The fluid keeps getting filtered and comes out clean through the outlet nozzle.
- As the filter screen gets loaded with dirt, the differential pressure keep raising.
- There is a hollow full flow backwash arm extending the full length of the filter element. This can rotate and is piped to atmosphere through a backwash valve.
- When the differential pressure crosses the pre-set limits. The backwash valves opens the system to atmosphere causing a high velocity reverse flow across the isolated section of screen. Dirt and debris are flushed out from this segment of the screen into the backwash arm and out of the strainer via the backwash piping.
- During the backwashing cycle the main flow is uninterrupted and continues to be strained in the normal manner. The control system would automatically close the backwash valve after the screen is cleaned.
- This units can also be operated manually from the control panel or in continuous backwash mode.