

## FABRICATED AUTOMATIC SELF CLEANING STRAINERS

### ASC-IVS-S-Series

#### Design Features

- Off Centre Vertically mounted design
- Self cleaning by using backflush principle created by reverse flow
- Standard sizes from 2" - 24". Larger sizes available upon request.
- Available In flanged or Butt-weld end connections.
- Perforated screens are standard.
- May be installed in horizontal pipelines.
- All welders are qualified to ASME Section IX.



- Strainers designed to meet the requirements of ASME Section VIII, Div.1.
- Drain with plug is standard . Drain valves can be supplied on request
- Vent with plug is standard
- Large body with Guaranteed low pressure drop as per Table 3 . in engineering data .
- Net free straining area minimum 6 times for standard screen
- DP Switches are standard. Transmitters can be supplied on request
- Electrically actuated butterfly backflush valve are standard. Other valves and Pneumatic valves on request
- Robust bearing design
- Backflush primemover -3 Phase AC motor 230 volts standard
- Gear box to reduce speeds to 7 to 14 rpm

#### Control Panel Specs

IP 65 Double door panel is standard
Panel Size : 400 x 400 x300mm
Power supply : 230 Volts 3 phase AC
3 modes viz., Manual,Built in auto and Remote -with 3 point selector switch as standard
Adjustable field settable, Periodic and cyclic timer
Valve Feed Back-Open, close and error
Overload protection for Backflush Motor is standard
RS 485 output for remote data Collection
LCD Display
<b>Data Capture</b>
Cleaning cycle - Period run
Valve failure report
Olr activated report
Debris overload through Dp switch report

#### Material Data

COMPONENT	MATERIAL
Body	IS1239,3589 ASTM A106, SS304/316, DUPLEX STEEL
Cover	A105, SA 516 GR 70, CS TO IS 2062, SS316,304, DUPLEX STEEL
Fastener	A193 B7 Bolts & A 194 2 H Nuts With spring washer. SS 304/316
Gasket	CAF, NACF, Neoprene, Nitrile,PTFE
Drain/Vent Plug	A105, CS TO IS 1875-II, Stainless Steel
Filter Element	SS 304,316, Duplex, Brass, Monel, Hastalloy C

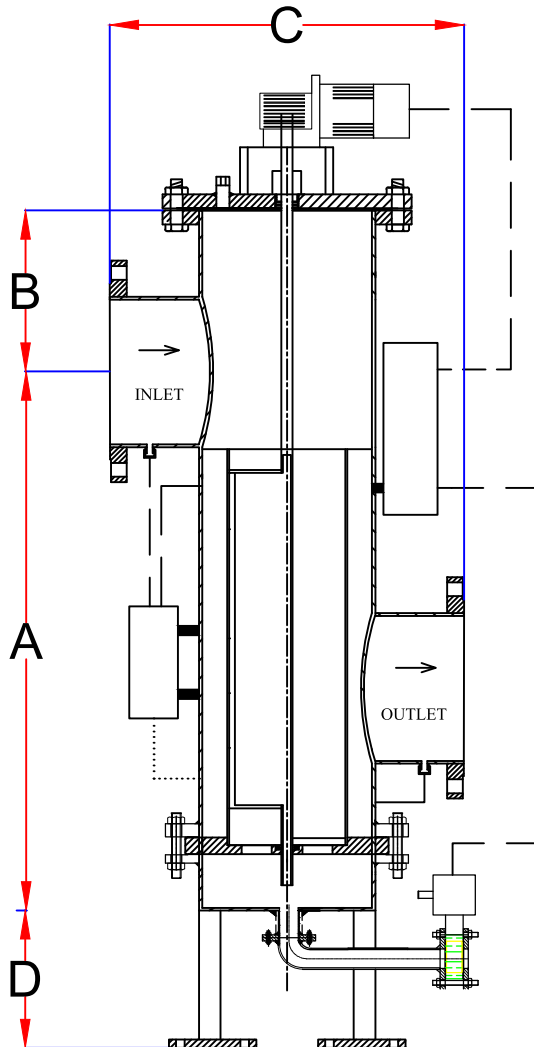
#### Standard Screens

SIZE RANGE	OPENING
2"-8" ( 50mm-200mm)	3mm
10"-12" (250mm-300mm)	3mm
14"-24" (350mm-600mm)	3mm

#### Indications

Power On
Filtration ON
Filter choked
Drain Valve open

### Dimensions



Size (in/mm)	A (mm)	B (mm)	C (mm)	D (mm)
2" - 50	375	110	365	300
3" - 80	535	145	370	300
4" - 100	579	175	400	300
6" - 150	1141	215	450	300
8" - 200	1313	250	500	300
10" - 250	1507	285	675	300
12" - 300	1766	315	750	300
14" - 350	1538	375	900	300
16" - 400	1992	400	1000	300
20" - 500	2091	435	1125	300
24" - 600	3444	500	1250	300