



Motorized Scrapper RIPBAC™ – C Strainer

The RIPBAC™ screen is the heart of Ell Ess's strainers. It eliminates all difficulties and deficiencies of the existing basket strainers. The non-clogging, rigid construction element has two-point contact for deposited solids on the outer surface. During backwash, a pinched nozzle effect (Venturi Effect) dislodges deposited particles easily to regain 100% filtration area.

Salient Features

- ❖ Motorized cleaning mechanism with scrapper arrangement.
- ❖ The Motor Gearbox can be operated with ON/OFF switch. The solids deposited on the outer surfaces of filter element will be continuously scrapped and removed due to continuous working of the Gearbox Motor.
- ❖ Based on the differential pressure set point the drain valve will be opened for 10 to 15 seconds to drain out the concentrated slurry from bottom nozzle without opening the strainers.
- ❖ This strainer can be made completely automated.

Advantages

- ❖ Precise Straining & Filtration.
- ❖ Enables Clean – in Place (CIP).
- ❖ No manual cleaning.
- ❖ Enhances Operator safety.
- ❖ Very effective backwash eliminates clogging.
- ❖ Long element life due to rigid construction.
- ❖ Minimal maintenance.

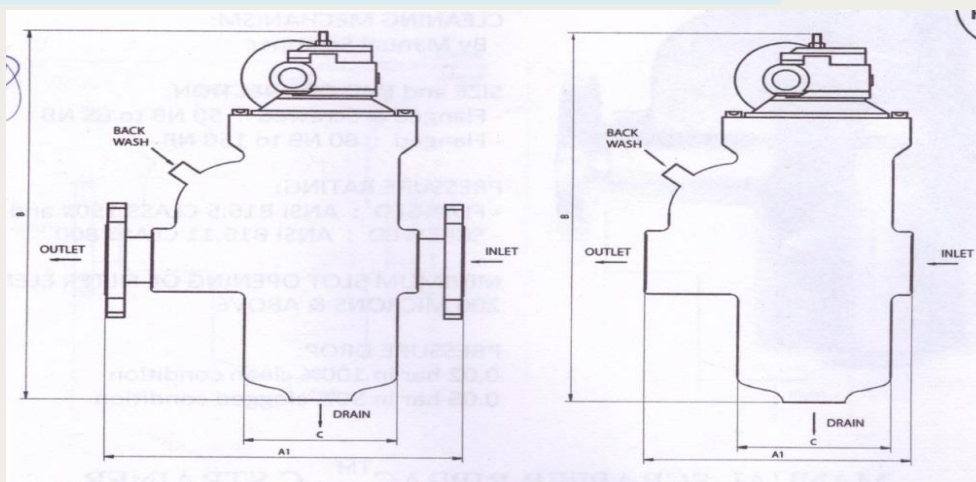
Applications

- ❖ Suitable for continuous straining operation and can be cleaned without stopping the filtration.
- ❖ Tooth Paste.
- ❖ Ink.
- ❖ Liquids with higher solid load.
- ❖ Liquids with high viscosity.
- ❖ Food processing Products.
- ❖ Oil Drilling.



**FOR HIGH VISCOSITY
LIQUIDS**

Sketch



Construction

Sr.No	Components	Cast Iron	Cast Steel	Cast SS 304	Cast SS316
1	Body	ASTM A48 / 76 CLASS 35	ASTM A216 GRADE WCB	ASTM A351 CF8	ASTM A351 CF8M
2	Top Cover	ASTM A48 / 76 CLASS 35	ASTM A216 GRADE WCB	ASTM A351 CF8	ASTM A351 CF8M
3	Allen Bolt	HIGH TENSILE CARBON STEEL	HIGH TENSILE CARBON STEEL	HIGH TENSILE CARBON STEEL	HIGH TENSILE CARBON STEEL
4	Tie Rod	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
5	Nut & Washer	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
6	O-Ring	NITRILE / EPDM	NITRILE / EPDM	VITON	VITON
7	Filter Element	STAINLESS STEEL 304	STAINLESS STEEL 304	STAINLESS STEEL 304	STAINLESS STEEL 316
8	Bottom Bush	NYLON	NYLON	PTFE	PTFE
9	Bottom Scrapper Rod Connector	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
10	Scrapper Rod	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
11	Scrapper Rod Nut & Washer	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
12	Scrapper Assembly	CARBON STEEL / UHMW	STAINLESS STEEL 304 / UHMW	STAINLESS STEEL 304 / UHMW	STAINLESS STEEL 316 / UHMW
13	Top Bush	NYLON	NYLON	PTFE	PTFE
14	Element Top Flange	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
15	Rotary seals	PTFE	PTFE	PTFE	PTFE
16	Hex Nut	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
17	Motor Gear Box	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
18	Shaft	CARBON STEEL	CARBON STEEL	STAINLESS STEEL 304	STAINLESS STEEL 316
19	Stud with Nut	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
20	Motor Stool	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
21	Bolt & Nut	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
22	Locknut & Washer	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL



ELL ESS ENGINEERING PVT.LTD.

A-423, T.T.C. Industrial Area, Mahape, P.O. Ghansoli, Navi Mumbai – 400 701
Maharashtra, INDIA.

GSTIN: 27AAACE6467C1ZR - Mob: +91 9004398402

Email: psr@ellessfilters.com / contact@ellessfilters.com

Web: www.ellessfilters.com