

ACID STRAINER

Tata Steel's New Materials Business is working closely with many process industries to introduce innovative solutions in Fibre Reinforced Polymer (FRP), leveraging its unique mix of properties to address issues such as maintenance, corrosion and cost.

Our products are made of Glass Reinforced Polymer (GRP). Tailored to suit application needs, the products were developed through a range of composite manufacturing technologies such as hand layup, filament winding and pultrusion. Some of the properties of these FRP products are:

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| Corrosion Resistance | Cost effectiveness | Long maintenance free life | Ease of installation | Superior and tailored manufacturing properties | Lightweight |

Application:

In various industrial processes, acids and rinse water are re-circulated in the bath tank for the pickling and rinsing sections. To maintain system health & product quality FRP strainer for acid handling pumps are used by most of the Chemical/ Process/Heavy Engineering/Steel Industries

Benefits:

- ◆ Inbuilt Self-Cleaning Mechanism
 - Safe & Fastcleaning
 - Shutdown not required for cleaning
 - No Skilled Manpower Required
 - Operator Can Easily operate the valves & clean
 - Normally 5 to 10 minutes is required for cleaning
- ◆ Effectively arresting damaging particles
 - Ensure Product Quality
 - Maintain system Health
 - Increase Equipment Life
 - Reduce Break Down
- ◆ No Dismantling required for cleaning
 - Enhance Safety
 - Increase Equipment Availability
 - Reduce Downtime
 - Reduce Maintenance Cost

Technical Specifications:

(can be customised as per requirement)

- ◆ **Suction type** – Flooded
- ◆ **Strainer Element** – Perforated cylindrical,
- ◆ **Material Handled** – HCL upto 18% concentration
- ◆ **Max Working Pressure** – 3000 mmwc
- ◆ **Design Pressure** – 10000 mmwc
- ◆ **Max Working Temperature** – 50°C
- ◆ **Design Temperature** – 90°C
- ◆ **Overall dimension** – 750 mm X 550 mm
- ◆ **Inlet** – Flange, Pipe dia 150 mm
- ◆ **Outlet** – Flange, Pipe dia 150 mm
- ◆ **Cleaning Port details** –
 - **In** – Flange, Pipe dia 25 mm
 - **Out** – Flange, Pipe dia 50 mm
- ◆ **Colour** – Pale Green
- ◆ **Additional Feature**- Fire Retardant & UV Protected

Our manufacturing facility is equipped with the latest technology and testing tools for the smooth production of our product range and maintaining high quality standards of products at the same time.



NEW MATERIALS BUSINESS | **FIBRE REINFORCED POLYMER PRODUCTS**
An Initiative of Tata Steel

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