

Duplex Basket Strainer Manufacturers in India



Speciality Valve is a renowned [Duplex Basket Strainer Manufacturers in India](#). Our products are distributed across Gujarat, Kerala, and Uttar Pradesh. A duplex basket strainer is an essential component in industrial filtration systems, designed to eliminate solid particles from liquid flows within pipelines.

The term "duplex" signifies its dual nature, featuring two parallel strainer baskets. These baskets are engineered to be easily switched or rotated during operation, ensuring uninterrupted filtration while maintaining the fluid flow.

The term "duplex" in the context of a duplex basket strainer refers to its dual-basket design integrated into the strainer housing. This design

facilitates an uninterrupted filtration process, even during maintenance activities.

When one basket becomes obstructed with contaminants, the flow can seamlessly switch to the second basket without disrupting the overall operational flow. This crucial feature ensures the continuous functionality of the system while one basket is undergoing cleaning or replacement, thereby minimizing downtime and optimizing overall efficiency.

The operation of a duplex basket strainer commences with the fluid entering the housing and encountering the first basket. As the fluid passes through the perforations or mesh of the basket, solid particles and contaminants are captured, preventing their progression into the system.

As the first basket accumulates debris over time, the flow can be redirected to the second, clean basket, enabling maintenance of the clogged basket without halting the filtration process.

[Duplex Basket Strainer Manufacturers in India](#) offer several benefits in industrial applications where filtration of liquids is required. Here are some key advantages:

We manufacture high-quality Duplex basket strainers, which are available in different sizes and materials.

Parts:

1. Body
2. Inlet and Outlet Ports
3. Basket Assemblies
4. Valves and Diverter
5. Lifting Mechanism
6. Drain and Vent Connections
7. Pressure Gauges

Advantages:

1. Continuous Flow
2. Uninterrupted Process
3. Higher Flow Rates
4. Extended Maintenance Intervals
5. Efficient Particle Removal
6. Versatility
7. Easy Inspection
8. Customizable Filter Media
9. Reliability
10. Reduced Risk of Contamination

Industries:

1. Oil and Gas
2. Chemical Processing
3. Water Treatment
4. Pulp and Paper
5. Petrochemical
6. Power Generation
7. Marine and Shipbuilding
8. Mining
9. Wastewater Treatment
10. Paints and Coatings
11. Textile
12. Plastics and Polymers
13. Automotive Manufacturing
14. Aerospace
15. Electronics Manufacturing
16. Renewable Energy (Solar, Wind, etc.)
17. Construction
18. Steel and Metal Production

Description:

1. Body materials: Cast steel (WCB, WCC, WC6, WC9, LCC, LCB), Ductile iron, cast iron, SS304, SS316, Duplex steel (F51, F53, 5A, 6A)
2. Class: 150 to 600, PN10 – PN63
3. Size: 2” to 32”
4. Ends: Flanged

Visit us:

<https://www.specialityvalve.com/product-category/duplex-basket-strainer/>

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