

DSGL Series Filter

High-Efficiency Bag Filtration · Flexible Interception · Economical & Practical

The DSGL series is a precision filter using high-performance filter bags as its core element, supported internally by metal baskets to withstand impact. It operates at up to 10 bar pressure, with a flow rate of 15-720 m³/h and filtration accuracy of 0.1-300 μm. The bags offer high dirt-holding capacity and chemical compatibility, and can be cleaned and reused, providing a cost-effective solid-liquid separation solution for various industries.



Core Challenges Addressed

Fixed filters often struggle with adaptability, maintenance complexity, and high costs in multi-product or high-purity environments:

- Inflexible process changes
- Limited capacity in precision filtration
- Poor chemical resistance of standard materials
- High operating and disposal costs

Key Advantages

- Flexible material options (PP, nylon, PTFE) for temperatures from -40°C to 260°C
- High capacity with low pressure drop
- Reusable bags reduce consumable costs
- Leak-free flange design
- Compact modular structure

Typical Applications

- Food & beverage: Beer, juice, syrup, milk, and oil processing
- Cosmetics: Lotions, perfumes, detergents
- Surface treatment: Electroplating and chemical bath maintenance
- Fine chemicals: Solvent filtration, catalyst recovery
- Industrial water: Process and cooling water treatment

Comprehensive Value

The DSGL series combines standardized design with versatile compatibility, offering operational flexibility and cost efficiency. Its easy maintenance and reliable sealing make it ideal for batch or continuous production requiring high standards of separation and cleanliness.

DSGL Series

CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Housing size	Inlet/Outlet	Wall Thickness mm	Bag Type	Number of Filter Bags	Flow Rate m³/h	Filtration Area m²
D11	Ø 219x900	DN40	2	1#	1	15	0.23
D21	Ø 219x1310	DN50	2	2#	1	30	0.5
D22	Ø 400x1450	DN80	3	2#	2	60	1
D23	Ø 450x1500	DN100	3	2#	3	90	1.5
D24	Ø 500x1550	DN100	3	2#	4	120	2
D25	Ø 550x1600	DN125	3	2#	5	150	2.5
D26	Ø 650x1600	DN150	3	2#	6	180	3
D27	Ø 650x1600	DN150	3	2#	7	210	3.5
D28	Ø 700x1650	DN200	3	2#	8	240	4
D29	Ø 750x1700	DN200	3	2#	9	270	4.5
D210	Ø 800x1750	DN200	4	2#	10	300	5
D211	Ø 850x1750	DN250	4	2#	11	330	5.5
D213	Ø 900x1800	DN250	4	2#	13	390	6.5
D215	Ø 950x1800	DN250	4	2#	15	450	7.5
D217	Ø 1000x1850	DN300	4	2#	17	510	8.5
D219	Ø 1100x2000	DN300	5	2#	19	570	9.5
D224	Ø 1200x2200	DN350	5	2#	24	720	12