Disc Filter

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Technical Advantages

SLP Technology

NEW

Super Low Pressure 1.2 Bar

Minimum backwash pressure 1.2 bar (17 psi), save energy.

NSM Technology

No Spring and Metal Material

Adopt the NSM technology, no direct contact between water and metal, excellent corrosion resistance.

- **Air Intake & Release Technology**
  Enhance backwash efficiency, save water.
- **Air Buoyancy Check Valve Technology**
  No metal or rubber contact with water, avoid corrosion or aging.
- **Hydrocyclonic Technology**
  Enhance filtration and backwash effectiveness.
- **Quick-lock and Sealing Technology**
  Quick & easy maintenance.
- **Fully Intelligent & Automatic**
  No complicated control system, easy maintenance.

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Design Criterion

Item	Parameter
Rated Pressure	10.0 bar (145 psi)
Service Pressure	2.0 -8.0 bar (30 - 116 psi)
Max. working temperature	50 °C (122 °F)
pH	4 - 14

Materials of Construction

Component	Material
Filter housing	Glass fiber reinforced polyamide
Disc	Polypropylene (PP)
Piping	HDPE
Sealing ring	NBR*/EPDM

Note: * represents default material.

Backwash Parameters

Item	■200μm (75 mesh)	■130μm (120 mesh)	■100μm (150 mesh)	■50μm (300 mesh)	■20μm (625 mesh)
Min. backwash pressure per filter unit	1.2 bar(17 psi)				
Min. backwash flow rate per filter unit	2.0 L/sec(32 gpm)				

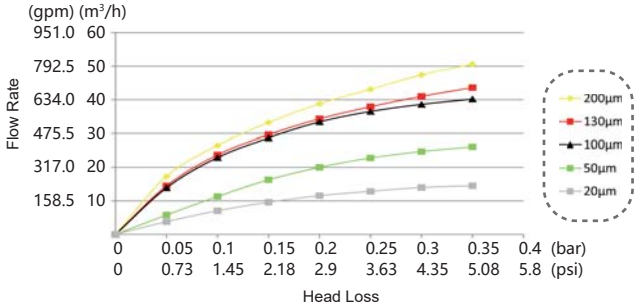
Disc Filter Selection Guide

2″ filter unit's filtration area =1200cm²; 3″ filter unit's filtration area=1660cm²

Water Quality	Good					Normal					Poor					Very Poor				
Filtration Grade	200μm	130μm	100μm	50μm	20μm	200μm	130μm	100μm	50μm	20μm	200μm	130μm	100μm	50μm	20μm	200μm	130μm	100μm	50μm	20μm
Model No.	Max. Recommended Flow Rate(m³/h)					Max. Recommended Flow Rate(m³/h)					Max. Recommended Flow Rate(m³/h)					Max. Recommended Flow Rate(m³/h)				
2″	24	20	16	12	6	20	17	14	10	5	16	14	12	7	3.5	10	9	8	5	2
3″	36	32	25	17	9	30	27	20	14	7	25	23	17	10	5	16	14	12	7	2

Note: The above data are based on the testing conditions in laboratory. Please select appropriate mode numbers and filtration grades according to the actual operation conditions or consult local distributors or sales representatives.

2″ Filter Unit



3″ Filter Unit