

# Microfiltration System

## 1 Brief introduction

The system applies to clarification, sterilization and filtration of the liquid with different turbidity and viscosity, such as the biological fermentation broth and herbal extract. The filtration process can be performed effective and environmental by digital control. It has Integrated controller to ensure the accurate and stable filtration process, possible to select the detection and protection of online temperature, pressure, turbidity and other parameters. It also has high filtration flow and sterilization rate to meet the need of the users.

## 2 Features

- 1.1 High filtration accuracy without impurities, the physical and chemical indicators have no effect
- 1.2 High filtration flow and sterilization rate
- 1.3 Excellent membrane material, the rest of liquid flow parts adopt 316L stainless steel and non
- 1.4 liquid flow parts adopt 304 stainless steel
- 1.5 Acceptable to filter the liquid with high turbidity and viscosity, prefiltration and refined filtration at a time
- 1.6 Fixed aperture interception, without adding filtration material, stable and reliable filtration quality
- 1.7 Integrated controller to ensure the accurate and stable filtration process, possible to select the detection and protection of online temperature, pressure, turbidity and other parameters.
- 1.8 Easy operation, low failure rate and long service life

## 3 Specifications

	Type	SDL3000	SDL5000	SDL10000	SDL17000
Operating Parameters	Reference Flow (influenced by concentration and turbidity of liquid)	0.5-1 ton/h	1-2 ton/h	1.5-2.5 ton/h	4-6 ton/h
	Suggested Shift Production	1-3 ton	3-5 ton	5-10 ton	20-30 ton
	Designed Continuous filtration time	6-7 h			
	Cleaning or Preparing time	1 h			
	Accumulative Total Filtration of Membrane	800-1200 ton	1200-2400 ton	2000-4000 ton	4500-9000 ton



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	Volume	45L	90L	130L	300L
Installation Parameters	Dimension D×W×H(m)	1.0×1.0×1.6	1.4×1.2×1.6	1.3×1.3×1.6	2.2×1.5×1.6
	Total Power	0.75KW	1.7KW	4.1KW	9.0KW
	Operating Power	0.75KW	1.1KW	3KW	6KW
	Weight	0.15 ton	0.3 ton	0.5 ton	1.3 ton
	Wire System	Three phase four wire	Three phase four wire or five wire		
	Inlet/Outlet Diameter	Φ38			φ51
	Inlet Pipe	> DN32			≥DN50
	Output Lift	< 10 m			
	Area Covered	1.72 m <sup>2</sup>	1.72 m <sup>2</sup>	1.8 m <sup>2</sup>	3.5 m <sup>2</sup>

All products should be subjected to any change without notification.  
Please don't hesitate to contact us if have any questions.



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