

## FILTERS

1. PP Melt-Blown Filter  
PP Spun Filter Cartridge
2. High Flow Folded Filter Cartridge
3. Microporous Folding Filter Cartridge

## FRP FILTER HOUSINGS

**Bag Filter**

**Security Filter**

**High-flow FilterS**



**FRP**

**High-flow Filter Package**

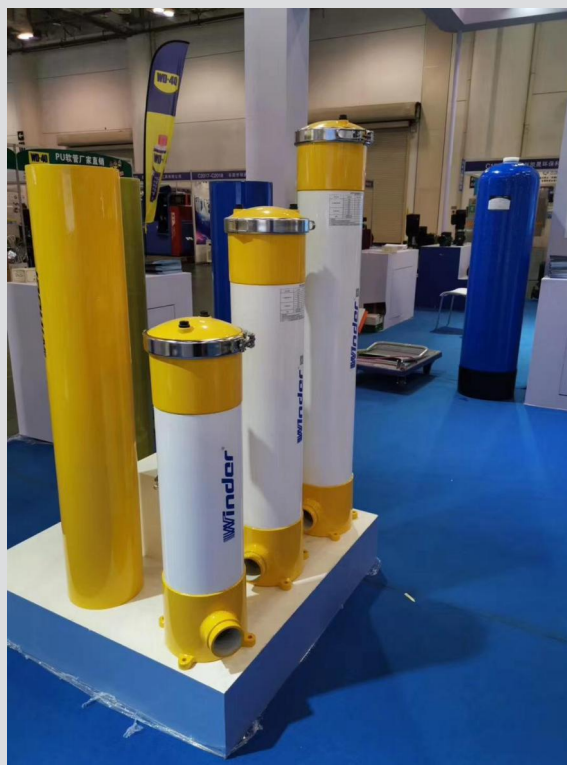
**FRP Wound Clamp**

## FRP SECURITY FILTER

## INTRODUCTION

PALL Security Filter Has 5pcs PP filter Cartridges :

1. Fully material of Filter Housing is FRP, other FRP inside accessories are all finished by SMC method Non-corrosive, no leakage and could bear high pressure and high temperature.
2. Filter internal structure design is unique, innovative and reasonable. The filter cartridges can be fixed by the cartridge positioning guide. Its nut can be tightened to adjust the sealing degree. No need of touseany tools for change cartridges, so it saves more time to change cartridges.
3. The installation of cartridge has its automatic alignment function,simple and convenient.
- 4.Housing is beautiful and generous,process environmental protection.



## SPECIFICATION:

Unit:mm

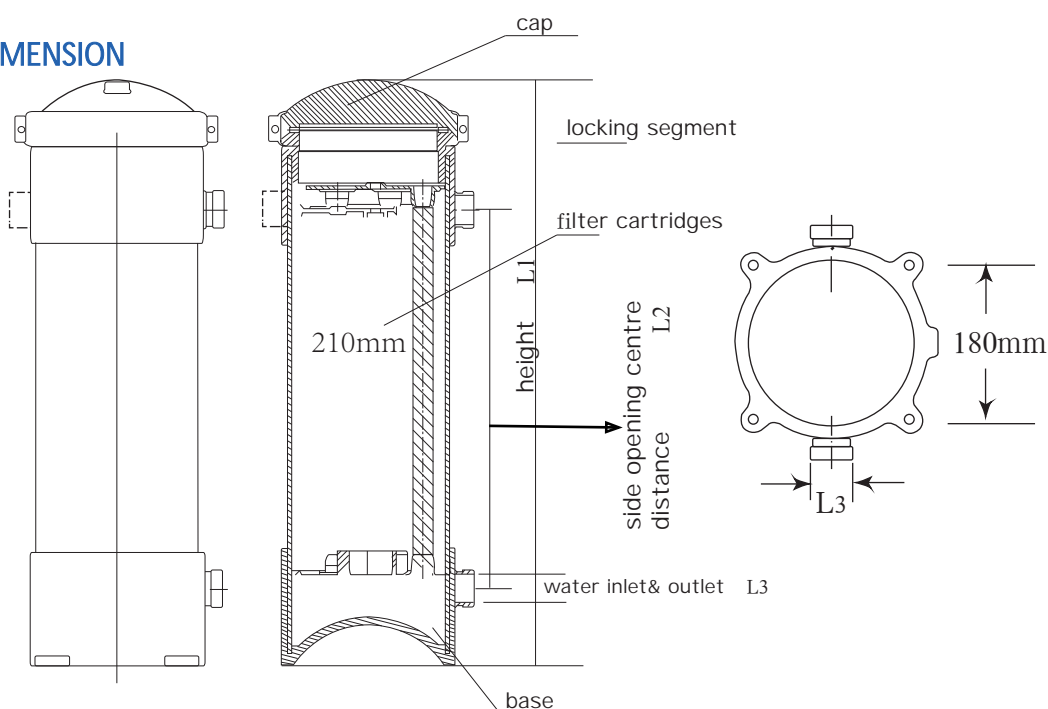
MODEL	DIAMETER	HEIGHT	SIDE OPEN CENTER DISTANCE	INLET&OULET	FLOW	PRECISION
WDLPP5-10	210	590	380	DN50	2T/H	1-100 μ m
WDLPP5-20	210	840	630	DN50	3T/H	1-100 μ m
WDLPP5-30	210	1090	880	DN50	5T/H	1-100 μ m
WDLPP5-40	210	1340	1130	DN50	8T/H	1-100 μ m

## WORKING PRINCIPLE

Security filter is also called precision filter. It is a kind of pressure filter device, which adopts the filter material formed by melting and spraying. Under pressure, the concentrated liquid passes through the filter material, the filter slag is left on the pipe wall, and the filtrated liquid flows out through to achieve the purpose of filtration.

Different filter materials have different filtration pore size. Precision filtration is a kind between sand filtration (rough filtration) and ultrafiltration, and the filtration pore size range generally is  $0.5 \sim 100 \mu\text{m}$ . The filter material by meltblown process is with max operation temperature  $60^{\circ}\text{C}$ . Precision filtration can remove suspended solids, some colloidal substances and small particles in water.

## INSTALL DIMENSION



Unit:mm

MODEL	HEIGHT L1	SIDE OPEN CENTER DISTANCE L2	INLET&OULET	Cartridge Height
WDLPP5-10	590	380	DN50	10"
WDLPP5-20	840	630	DN50	20"
WDLPP5-30	1090	880	DN50	30"
WDLPP5-40	1340	1130	DN50	40"

## PRECAUTIONS

- I. Install the filter element in place and tighten the nut of the sealing block.
- II. Working pressure can not exceed the rated range.
- III. Open the exhaust valve before start, and after the air is exhausted, close the exhaust valve.
- IV. When the pressure difference exceeds the rated range, replacement of the filter material in time.

## BAG FILTER

### FEATURES:

Bag Filter has 1 pc  $\phi$  180mm bag cartridge inside.

1. Fully Filter Housing and accessories are made of FRP material ( which are finished by SMC method) .Non-corrosive, no leakage and could bear high pressure & high temperature.
2. Filter internal structure design is unique, innovative and reasonable. The lower end is a hollow support, and there is a filter bag PP mesh cover fixing frame, and the upper end has a filter bag positioning lock block. The filter bag can be fixed only by rotating 60 degrees.
3. Easy to install, the bag filter adopts manual clamp type to open, it can be operated without any tools when installing and replacing the filter bags.
4. The surface of bag filter adopts the laminating process, which is beautiful, environmentally friendly and color adjustable.



### SPECIFICATIONS

单位Unit:mm

MODEL	DIAMETER	HEIGHT	SIDE OPEN CENTER DISTANCE	INLET& OUTLET	FILTER FLOW	FILTER ACCURACY
WDL-1	210	740	530	DN50	10T/H	1-300 $\mu$ m
WDL-2	210	1140	930	DN80	20T/H	1-300 $\mu$ m

## WORKING PRINCIPLE

The bag filter is a pressure filter device, which mainly consists of a filter cylinder, a filter cylinder cover, a quick opening mechanism, and a filter bag reinforced mesh.

The filtrate flows into the filter bag from the upper inlet. The filter bag itself is installed in a reinforced mesh basket. The liquid penetrates through the filter bag of the required fineness level to obtain qualified filtrate, and the impurity particles are intercepted by the filter bag.

Advantages:

very convenient to replace the filter bag

the filter basically has no material consumption.

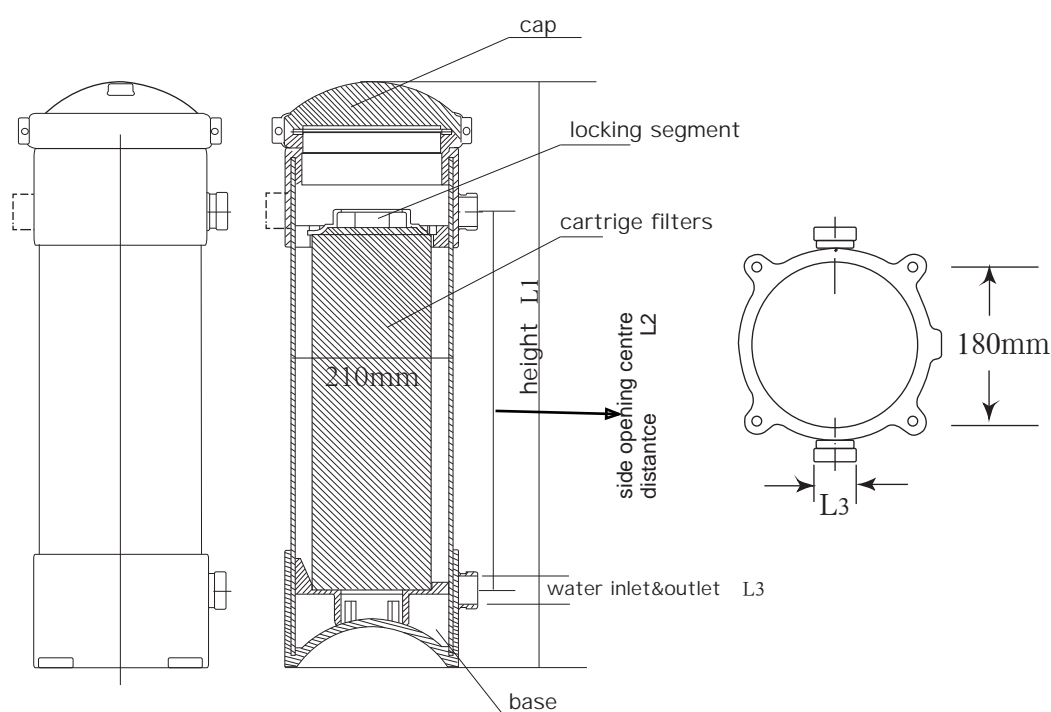
reasonable structure, good sealing, strong circulation ability, and easy operation

particularly, the probability of side leakage of the filter bag is small, accuracy can be accurately guaranteed,

the filter bag can be changed quickly to reduces operating cost.

inner and outer surfaces of the filter are smooth and easy to clean.

## INSTALL DIMENSION



Unit:mm

MODEL	L1 HEIGHT	L2 SIDE OPEN CENTER DISTANCE	L3 INLET & OUTLET	CARTRIDGE LENGTH
WDL-1	740	530	DN50	450mm
WDL-2	1140	930	DN80	810mm

## PRECAUTIONS

1. Filter bag fixation needs to be installed in place, lock block rotation 60 degrees
2. Working pressure can not exceed the rated range.
3. Open the exhaust valve before start, and after the air is exhausted, close the exhaust valve.
4. When the pressure difference exceeds the rated range, replacement of the filter material in time.

## FEATURES

PALL Type High Flow Filter has 1 pc PALL cartridge inside

1. Fully Filter Housing and accessories are made of FRP material( which are finished by SMC method) .Non-corrosive, no leakage and could bear high pressure & high temperature.
2. The internal structure of the high-flow filter is novel and reasonable. The lower end is with hollow support, with installation guides, and the upper end has a filter element positioning lock block. The filter element can be fixed by rotating 60 degrees.
3. Easy operation: only to revolve the filter cartridge to fix it to the housing through its cartridge positioning function. Cartridge installation and changes without any tools to save operation time.
4. The surface of bag filter adopts the laminating process, which is beautiful, environmentally friendly and color adjustable.



## SPECIFICATION

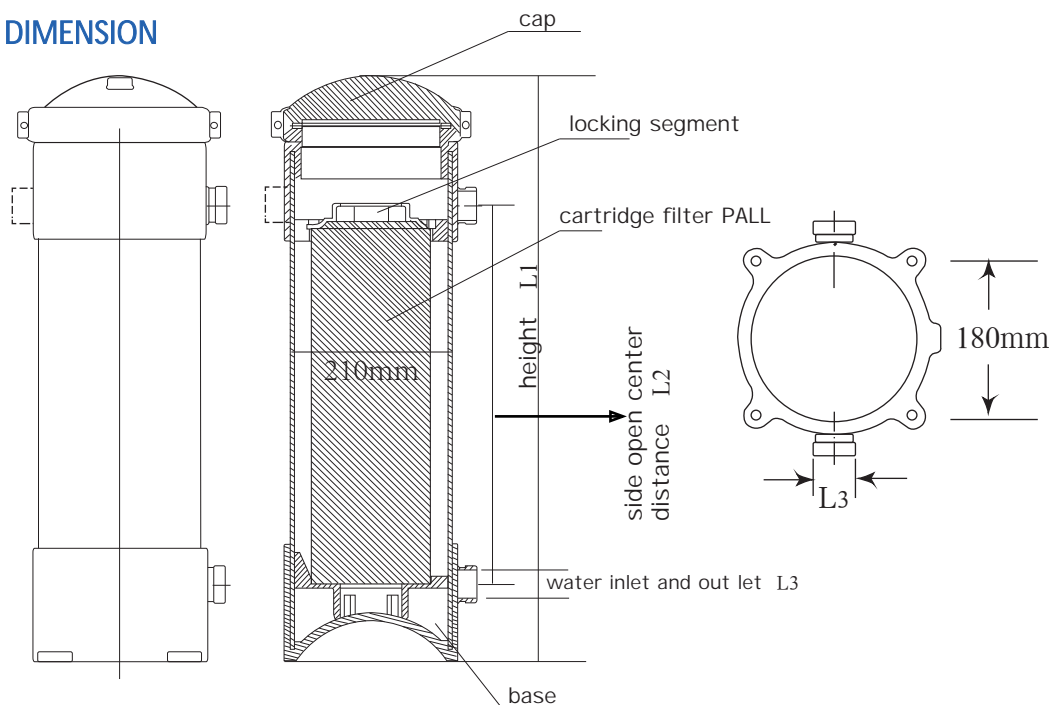
Unit:mm

MODEL	DIAMETER	HEIGHT	SIDE OPEN CENTER DISTANCE	INLET&OULET	FILTER FLOW	FILTER ACCURACY
WPA-10	210	590	380	DN50	8T/H	1-100 μ m
WPA-20	210	840	630	DN50	15T/H	1-100 μ m
WPA-30	210	1090	880	DN80	20T/H	1-100 μ m
WPA-40	210	1340	1130	DN80	30T/H	1-100 μ m
WPA-60	210	1840	1630	DN80	45T/H	1-100 μ m

## WORKING PRINCIPLE

Pall high flow filter is also called precision filter. It is a kind of pressure filter device, which adopts the filter material formed by pleating. Under pressure, the concentrated liquid passes through the filter material, the filter slag is left on the pipe wall, and the filtrated liquid flows out through to achieve the purpose of filtration. Different filter materials have different filtration pore size. Precision filtration is a kind between sand filtration (rough filtration) and ultrafiltration, and the filtration pore size range generally is  $0.5 \sim 100 \mu\text{m}$ . The filter material by pleating process is with high flux and max temperature  $60^\circ\text{C}$ . Precision filtration can remove suspended solids, some colloidal substances and small particles in water.

## INSTALL DIMENSION



Unit:mm

MODEL	HEIGHT	SIDE OPEN CENTER DISTANCE	INLET&OUTLET	CARTRIDGE SIZE
WPA-10	590	380	DN50	10"
WPA-20	840	630	DN50	20"
WPA-30	1090	880	DN80	30"
WPA-40	1340	1130	DN80	40"
WPA-60	1840	1630	DN80	60"

## PRECAUTIONS

1. Filter bag fixation needs to be installed in place, lock block rotation 60 degrees.
2. Working pressure can not exceed the rated range.
3. Open the exhaust valve before start, and after the air is exhausted, close the exhaust valve.
4. When the pressure difference exceeds the rated range, replacement of the filter material in time.



## FEATURES

PAKE Type High Flow Filter has 1 pc 40" cartridge inside

1. Fully Filter Housing and accessories are made of FRP material( which are finished by SMC method) .Non-corrosive, no leakage and could bear high pressure & high temperature.
2. The internal structure of the high-flow filter is novel and reasonable. The lower end is with hollow support, with installation guides, and the upper end has a filter element positioning lock block. The filter element can be fixed by rotating 60 degrees.
3. Easy operation: only to revolve the filter cartridge to fix it to the housing through its cartridge positioning function. Cartridge installation and changes without any tools to save operation time.
- 4.The surface of bag filter adopts the laminating process, which is beautiful, environmentally friendly and color adjustable.



## SPECIFICATION

Unit:mm

MODEL	DIAMETER	HEIGHT	SIDE OPEN CENTER DISTANCE	INLET & OUTLET	FILTER FLOW	FILTER ACCURACY
WPK-40	210	1470	1260	DN80	30T/H	1-100 $\mu$ m

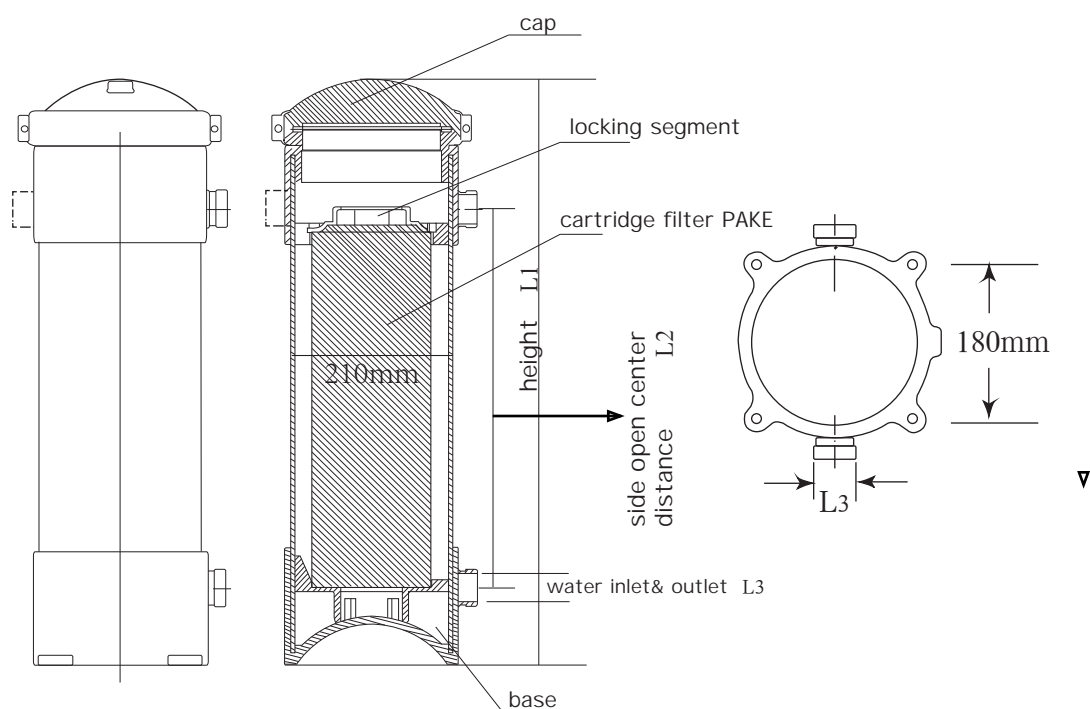


## WORKING PRINCIPLE

PAKE high flow filter is also called precision filter. It is a kind of pressure filter device, which adopts the filter material formed by pleating. Under pressure, the concentrated liquid passes through the filter material, the filter slag is left on the pipe wall, and the filtrated liquid flows out through to achieve the purpose of filtration.

Different filter materials have different filtration pore size. Precision filtration is a kind between sand filtration (rough filtration) and ultrafiltration, and the filtration pore size range generally is  $0.5 \sim 100 \mu\text{m}$ . The filter material by pleating process is with high flux and max temperature  $60^\circ\text{C}$ . Precision filtration can remove suspended solids, some colloidal substances and small particles in water.

## INSTALL DIMENSION



Unit:mm

MODEL	L1 HEIGHT	SIDE OPEN L2 CENTER DISTANCE	INLET&OUTLET	CARTRIDGE SIZE
WPK-40	1470	1260	DN80	40"

## PRECAUTIONS

1. Filter bag fixation needs to be installed in place, lock block rotation 60 degrees.
2. Working pressure can not exceed the rated range.
3. Open the exhaust valve before start, and after the air is exhausted, close the exhaust valve.
4. When the pressure difference exceeds the rated range, replacement of the filter material in time.

## FEATURES

(FRP) security (precision) filter with 1 (PALL/PAKE) 40" filter element inside.  
Pressure rating: 150PSI

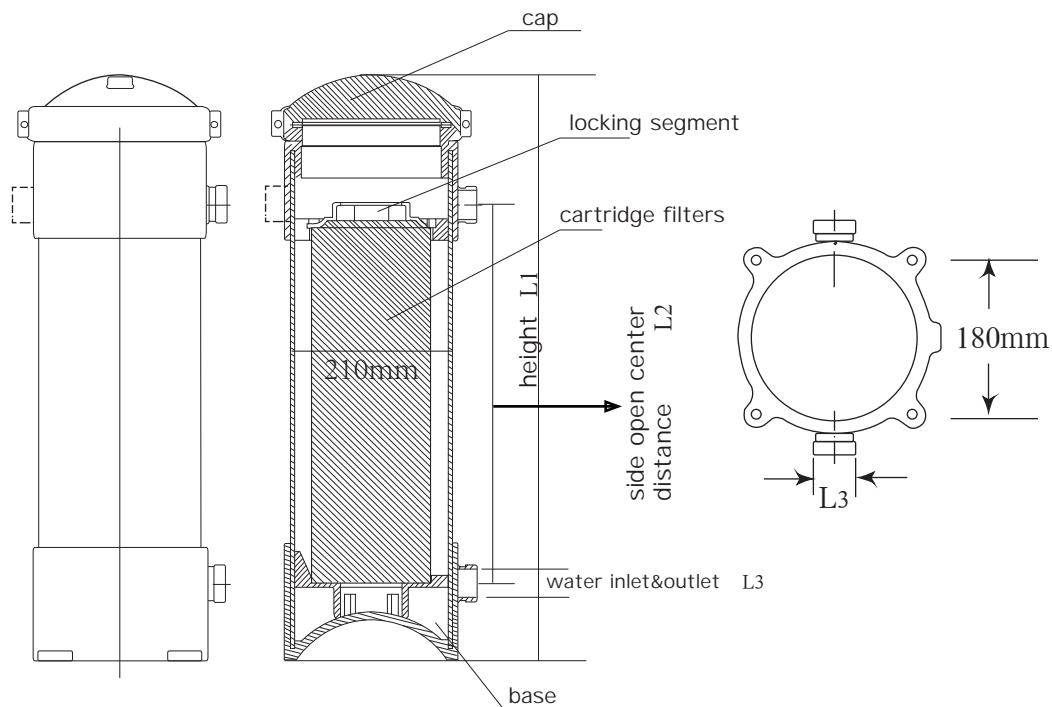
1. The high flux filter is made of glass fiber reinforced plastic (FRP), the cylinder adopts glass fiber reinforced plastic winding process, and other parts adopt SMC molding process, with characteristics of corrosion resistance, high pressure resistance, and no leakage.
2. The internal structure of the large-flux filter is novel and reasonable. The filter element is positioned inside by guides and rotating the lock block.
3. The large-flux filter adopts the Victory clamp type to open, for simple, convenient and fast operation during installation and replacement the filter element.
4. Its flow range is wide, and the combination can be selected according to the needs of the project.



## 二、工作原理 (HOW TO WORK)

PALL/PAKE high flow filter is also called precision filter. It is a kind of pressure filter device which adopts the filter material formed by pleating. Under pressure, the concentrated liquid passes through the filter material, the filter slag is left on the pipe wall, and the filtrated liquid flows out through to achieve the purpose of filtration. Different filter materials have different filtration pore size. Precision filtration is a kind between sand filtration (rough filtration) and ultrafiltration, and the filtration pore size range generally is  $0.5 \sim 100 \mu\text{m}$ . The filter material by pleating process is with high flux and max temperature  $60^{\circ}\text{C}$ . Precision filtration can remove suspended solids, some colloidal substances and small particles in water.

## INSTALL DIMENSION



## PRECAUTIONS

- I. Filter bag fixation needs to be installed in place, lock block rotation 45 degrees
- II. Working pressure can not exceed the rated range.
- III. Open the exhaust valve before the start, air drain after closing the exhaust valve.
- IV. When the pressure difference exceeds the rated range, timely replacement of the filter material.