



## PVD Series

# PVDF Plastic Single Filter Bag Housing

### Description



Hongtek PVD Series PVDF Plastic Filter Bag Housing is constructed from improved polyvinylidene fluoride material and suitable for single size #2 international standard filter bag. The main housing body is one-piece molded by high-pressure die-casting, so PVDF plastic bag housing has no welds and no dead corners. The special material PVDF can be used for filtering most chemical liquids and is corrosion-resistance to most chemicals, providing superior performance for applications where stainless steel bag housing is not suitable.

The specially designed lifting eye screw upper cover of PVDF bag filter housing can be opened and closed freely without any tools. The filter bag is in close contact with filter basket, and any filter residue can not penetrate into the housing. Plastic PVDF bag filter housing can work below 150 degrees and now is widely used in fine chemicals, chemistry, electronics, hardware etching, water treatment and other industries.

### Features

- Easy bag change, quick open cover, easy to disassemble
- Excellent chemical resistance and high temperature resistance
- Unique one-piece molded body for easy cleaning and maintenance
- Superior corrosion resistance to meet many acid and alkaline liquid filtration application
- Flange bolt hold distance is multi-functional, can be compatible with ANSI, JIS, DIN, GB standard flange

### Specification

<b>Housing Material</b>	PVDF (Polyvinyl Fluoride)
<b>Housing Direction</b>	Vertical
<b>Bag Size</b>	Size #2: $\Phi 7'' \times 32''$ L( $\Phi 180 \times 810$ mm)
<b>Number of Bag</b>	Single
<b>Housing Thickness</b>	16mm
<b>Filtration Rating</b>	1 $\mu$ m - 800 $\mu$ m
<b>Connection</b>	Side Port
<b>Inlet/Outlet Type</b>	Flange
<b>Inlet/Outlet Size</b>	DN50, DN65, DN80
<b>Sealing Type</b>	Swing Bolt Cap Type
<b>Seal Material</b>	Viton

### Application

- Oil and Gas
- Hydraulic Fluids
- Plating Solutions
- Chemical Industry
- Process water Filtration
- Pharmaceutical Production
- Ground Water Remediation
- Industrial Waste Water Treatment

### Operation Data

Operation Data for PVDF Single Bag Filter Housing

<b>Max. Temperature</b>	150°C
<b>Max. Pressure</b>	116psi (8bar)
<b>Liquid Flow Direction</b>	Side in and side out
<b>Flow Rate</b>	Size #2 ( $\Phi 7'' \times 32''$ ): 40m <sup>3</sup> /h
<b>Filtration Area</b>	Size #2 ( $\Phi 7'' \times 32''$ ): 0.5m <sup>2</sup>
<b>Bag Housing Capacity/Weight</b>	Size #2 ( $\Phi 7'' \times 32''$ ): 32L/40.25KG

### Tech Support

Components & Drawing of PVD Series PVDF Bag Filter Housing

	<b>NO.</b>	<b>DESCRIPTION</b>	<b>MATERIAL</b>	<b>QTY (pcs)</b>
	1	Pressure Gauge	Optional	1
	2	Pressure Gauge Joint	PVDF	1
	3	Gauge Joint O-Ring	FKM	1
	4	Ring Nut	SUS316	4
	5	Spacer	SUS316	4
	6	Upper Cover	PVDF	1
	7	Housing O-Ring	FKM	1
	8	Pressing Ring	PVDF	1
	9	Basket O-Ring	FKM	1
	10	Basket	PVDF	1
	11	Screw	SUS316	4
	12	Outlet Cover	PPH	1
	13	Shell	PVDF	1
	14	Outlet O-Ring	FKM	2
	15	Nut	PPH	8
	16	Inlet O-Ring	FKM	1
17	Screw	SUS316	4	

### Order Information

PVD	Bag Dimensions	Number of Bag	Inlet/Outlet Size (Flange)
PVD Series PVDF Single Size#2 Filter Bag Housing	S2 = Size #2 ( $\Phi 7'' \times 32''$ )	1 = 1pc	N50 = DN50
			N65 = DN65
			N80 = DN80

For Example:

PVD-S2-1-N50

PVD Series PVDF Single Filter Bag Housing - Size #2:  $\Phi 7'' \times 32''$  - 1pc - DN50

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