

# **SOGEVAC** **Accessories** TwinFilter 500

Double inlet filter and roots adapter combination  
for SOGEVAC models SV470 B(F) and SV570 B(F)



**TwinFilter 500**  
**meets your requirements:**

- ✓ Protects your roughing pump against dust and particles
- ✓ Allows a compact Roots/Roughing pump combination
- ✓ Cost-effective and most compact
- ✓ Frameless solution

# TwinFilter 500

## SOGEVAC double inlet filter and Roots pump adapter



**The TwinFilter 500 is the right product for your demands if ...**

... you have processes with dust & particles and problems to protect the roughing pump?

... you need a compact Roots & roughing pump combination with a filter?

... you want a very cost effective and most compact Roots & roughing pump combination w/o frame?

**TwinFilter will start with 500 m<sup>3</sup>/h size first.**

## TwinFilter 500

### Advantages

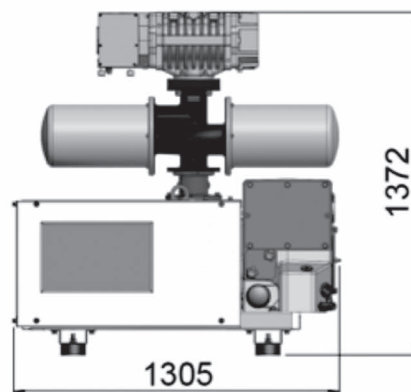
Suitable for SOGEVAC SV470 B(F) and SV570 B(F) single-stage rotary vane vacuum pumps:

- No external frame required:  
**costs and space savings**
- Very compact combinations:  
**space savings yet roughing pump protection**
- Allows to have two different protection filters in series:  
**more efficient filtration and longer filter lifetime**
- No elbows, bellows, adapters required for filter mounting:  
**cost savings and easy installation**

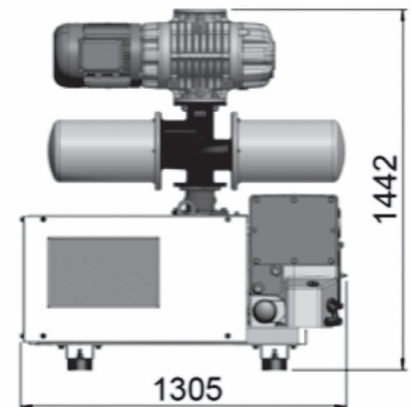
### Mounting possibilities

Most compact double inlet filter / roots pump adapter combination:

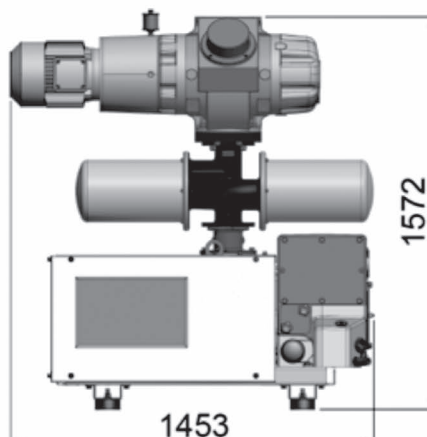
RUVAC WH 700/702



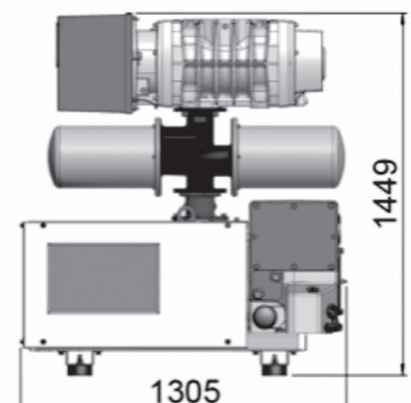
RUVAC WA(U) / WS(U) 1001



RUVAC WA(U) / WS (U) 2001



RUVAC WH(U) 2500



# Compact and cost-effective solution

## Filter cartridge selector

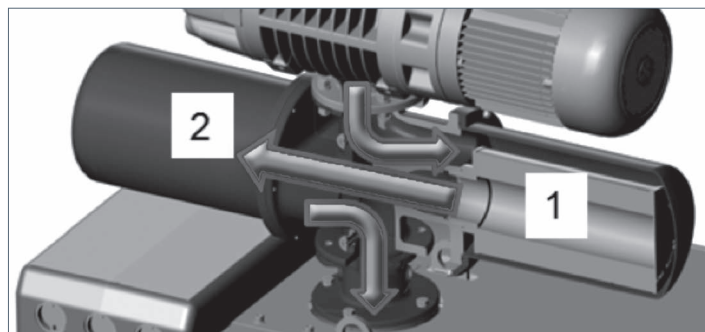
Application / Process	Filter insert material				
	Active charcoal	Metal 0.09 mm	Polyester 25 µm	Polyester 2 µm	Paper 2 µm
Dry process: dust, powders, chips etc.)			1		2
Wet (vapor) process: dust, powders, chips etc.)			1	2	
Heavy particles, plastics, glass, packaging materials, food stuff, etc		1		2	
Vapors of high molecular weight (solvents, resin and acid vapors, alkaline solutions etc.)	1			2	

1 = Filter no. 1  
2 = Filter no. 2

## Gas flow

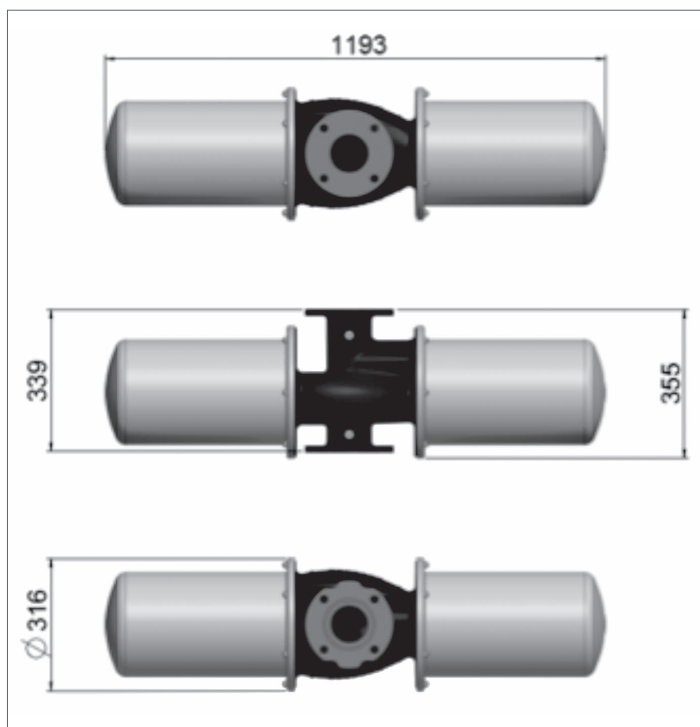
### Two filters connected in series:

The gas passes through filter (1) at first, passes filter (2) and finally enters the roughing pump.



## Technical data

### Dimensions (in mm):



Net weight max. 82 kg (181 lbs)

Filter cover weight < 10 kg (22 lbs)

Filter weight < 10 kg (22 lbs)

Material: Cast iron, steel and filter material

# TwinFilter 500 efficiency

## Ordering information

### Most efficient solution:

Pumping speed loss with TwinFilter 500	Filter insert material				
	Active charcoal	Metal 0.09 mm	Polyester 25 µm	Polyester 2 µm	Paper 2 µm
100 mbar approx.	< 1%	< 1%	< 1%	< 1%	< 1%
10 mbar approx.	< 7%	< 1%	< 1%	< 1%	< 1%
1 mbar approx.	< 33%	< 3%	< 4%	< 6%	< 13%

Pumping speed loss of each filter adds up for the total loss.

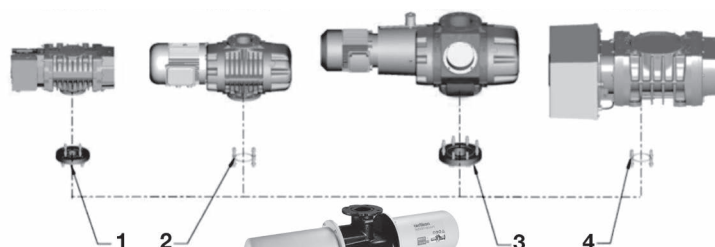
Efficiency for 5 µm particles				> 99%	> 99%
Efficiency for 2 µm particle				> 98%	> 98%

### Ordering information:

TwinFilter 500 for SOGEVAC models SV470 B(F) and SV570 B(F):

Cat.No.	Filter insert material				
	Active charcoal	Metal 0.09 mm	Polyester 25 µm	Polyester 2 µm	Paper 2 µm
9516248CAPO	X			X	
9516248MAPO		X		X	
9516248PAPO				X	X
9516248PP			X	X	
9516248V (w/o filter insert)					
Spare inlet filter inserts	EK95162CA	EK95162MA	EK95162PO25	EK95162PO2	EK95162PA

### Roots pump adapter:



Roots pump model	Cat.No.				
1 RUVAC WH 700	9516241V				
2 RUVAC WA(U) 1001		9516242V			
3 RUVAC WA(U) 2001			9516243V		
4 RUVAC WH(U) 2500					9516244V



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