



# MANUAL SCREEN FILTER - SERIES 1000

Odís series 1000 are mainly used as a Control filter in agricultural applications and filtering small quantities of water impurities.

## Features

- Series 1000 has a horizontal side inlet and bottom vertical outlet
- Mainly used as a control filter in agriculture
- Filter sizes available: 40mm, 50mm Short Body and 50mm Long Body
- Four mesh sizes available - 40mesh, 60mesh, 80mesh and 120mesh
- Each filter is equipped with a drain valve located at the bottom of the filter
- Cover can be easily removed for servicing and cleaning
- Other mesh sizes available on request

## Applications

- Primary filtration for clean ground water
- Secondary filtration for Media Filter batteries and Sand Separators

## Specifications

Recommended Flow Range:	250lpm - 500lpm
Maximum recommended working pressure:	800kPa
Maximum pressure:	1000kPa
End Connection Type:	Threaded
Installation:	Vertical



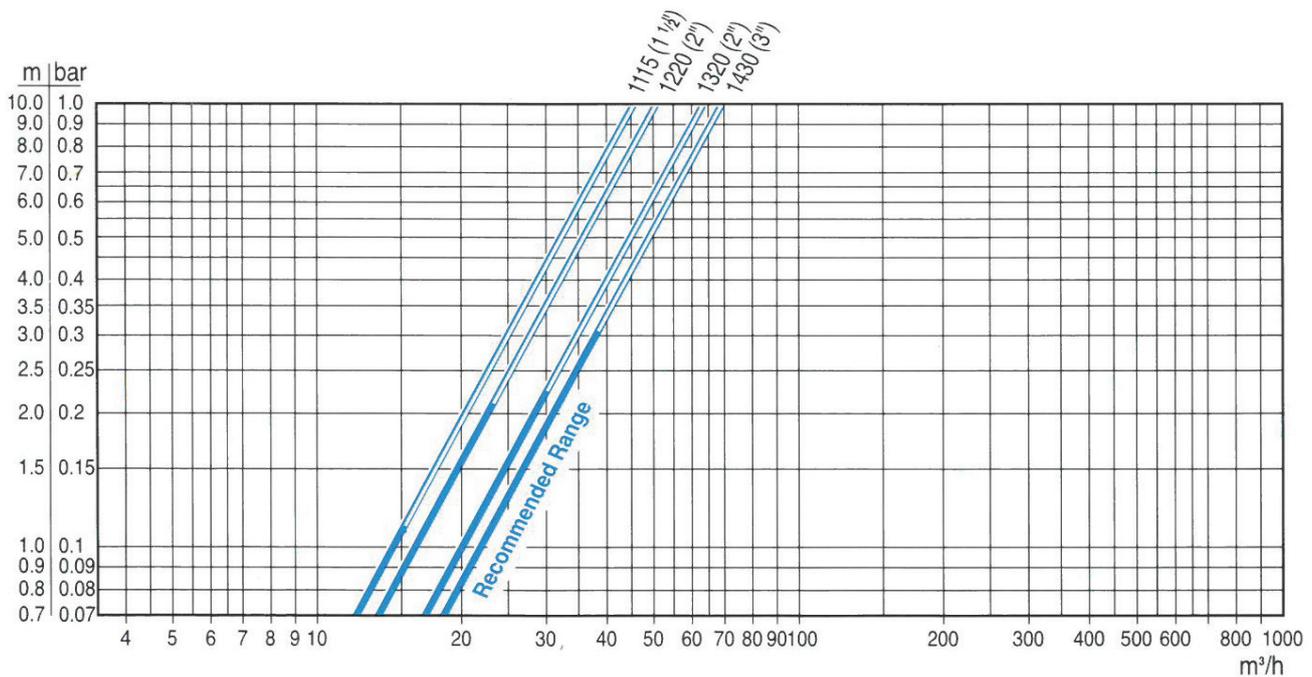
Part No.	Description
<b>40mm Flow Range: Up to 250lpm</b>	
OD1115	40mm Vertical Screen Filter body only
OD1115-XXX	40mm Vertical Screen Filter with Stainless Steel screen complete (please specify mesh size required)
ODE000401/XXX	Stainless Steel Mesh Replacement Screen (40,60,80 &120)
<b>50mm Short Body Flow Range: Up to 383lpm</b>	
OD1220	50mm Vertical Screen Filter short body only
OD1220-XXX	50mm Vertical Screen Filter with Stainless Steel screen complete (please specify mesh size required)
ODE000411/XXX	Stainless Steel Mesh Replacement Screen (40,60,80 &120)
<b>50mm Long Body Flow Range: Up to 500lpm</b>	
OD1320	50mm Vertical Screen Filter long body only
OD1320-XXX	50mm Vertical Screen Filter with Stainless Steel screen complete (please specify mesh size required)
ODE000412/XXX	Stainless Steel Mesh Replacement Screen (40,60,80 &120)

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## Head Loss

Model	Flow Rate Q (m <sup>3</sup> /h)										
	10	15	20	25	30	35	40	45	50	60	70
	Head Loss dP (bar)										
1115	0.05	0.11	0.20	0.31	0.44	0.60	0.79	1.00	1.23		
1220	0.04	0.09	0.16	0.25	0.36	0.49	0.64	0.81	1.00	1.44	
1320		0.06	0.10	0.16	0.23	0.32	0.42	0.53	0.65	0.94	1.27
1430		0.05	0.09	0.14	0.20	0.27	0.36	0.45	0.56	0.80	1.09

## Head Loss / Flow Rate



★★ For a clean filter and 120 mesh screen.

■ 1 bar=100 kPa=1.02 kg/cm<sup>2</sup>=10.2 m (W.C.)=14.5 psi

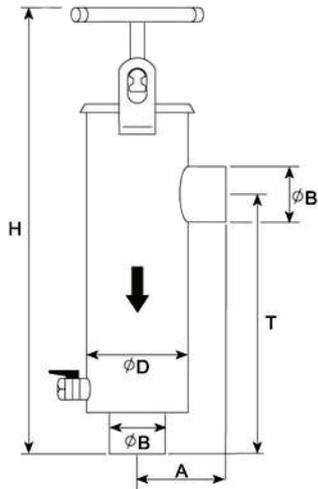
Mesh Sizing Chart											
Micron	841	400	297	250	177	149	125	105	88	74	63
Mesh	20	<b>40</b>	50	<b>60</b>	<b>80</b>	100	<b>120</b>	140	170	200	230
MM	0.841	0.400	0.297	0.250	0.177	0.149	0.125	0.105	0.088	0.074	0.063

\* Other mesh sizes available on request



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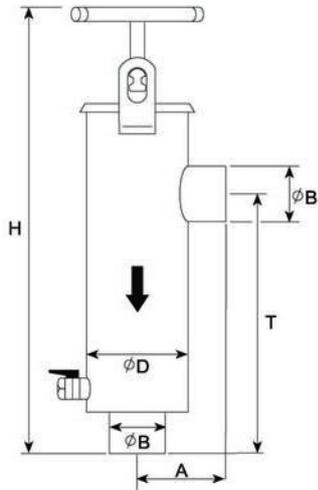
## FILTER DIMENSIONS



40mm

### Filter Dimensions

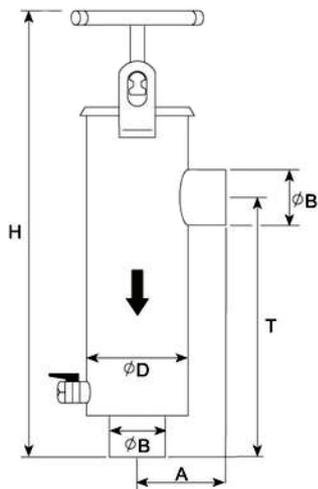
A: 97mm  
B: 40mm  
D: 100mm  
H: 420mm  
T: 233mm



50mm Short Body

### Filter Dimensions

A: 134mm  
B: 50mm  
D: 150mm  
H: 480mm  
T: 170mm



50mm Long Body

### Filter Dimensions

A: 135mm  
B: 50mm  
D: 150mm  
H: 730mm  
T: 265mm

