

# Environmental Air Filters

## Reservoir Equipment



## When it comes to 'green' breathing

### Ecology and Economy

EAB Series and ABL Series environmental air filters provide hydraulic system designers, OEM's and end users eco-friendly advantages for a wide range of mobile applications such as forestry equipment and industrial uses such as industrial power units.



## Contact Information:

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## Product Features:

- EAB Series – air flows up to 1500 l/min. Visual gauge option.
- ABL Series – 3 micron Abs. *LEIF*® element. 2 sizes.
- 2 environmental breather options suitable for most applications.

# EAB Series

## Reservoir Equipment

### Typical Applications



- Agricultural machines
- Articulated dump trucks
- Forestry equipment
- Wheeled loaders
- Lubricating systems
- Excavators
- Mobile cranes
- Industrial power units

### Technical Data

The filter has been designed to achieve a low pressure drop and high dirt holding capacity with airflows up to 1500 l/min. A compact EAB10 with airflows up to 1000 l/min is also available.

#### Construction:

Glass reinforced composite housing with Eco-element.

#### Filter media options:

P020: High quality polyester media. 2µm (abs).

C015: Polyester media with water-resistant layer. 1.5µm (abs)

Q010: Glass fibre media. 1.0µm (abs)

#### Mounting options:

With 6 screws. Includes machine and plate screws, a strainer and gaskets.

External threads G<sup>3</sup>/<sub>4</sub>" , G1".

Internal thread G<sup>3</sup>/<sub>4</sub>".

#### Options:

Visual gauge type vacuum/pressure indicator.

Overpressure valve, pressure setting 0.2 bar.

EAB10 cannot be specified with an overpressure valve and vacuum/pressure gauge at the same time.

#### Advantages of the EAB filters:

Easy maintenance.

Indicator states the need for element change.

Quick and easy element change (no tools required).

#### Environmentally friendly:

EAB elements contains no metal parts: therefore it can be crushed and burned minimising the volume of waste material.

#### Other features:

The optional indicator is located in a safe place inside the housing.

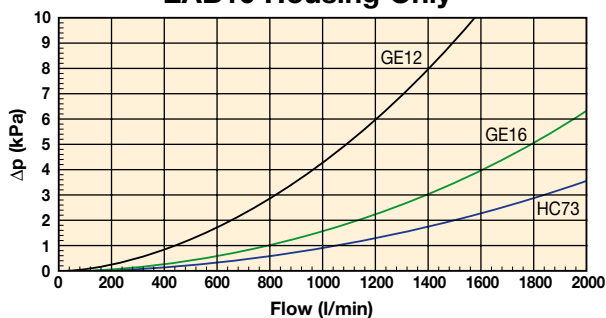
Housing includes mounting holes for a padlock, which allows you to increase the security against theft and vandalism.

Suitable for temperatures -20°C to +80°C.

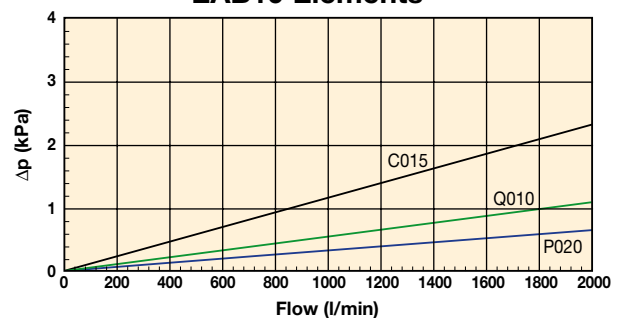
### Pressure Drop Curves

$\Delta p_{total} = \Delta p_{housing} + \Delta p_{element}$ . The recommended level of the initial pressure drop for this filter is max 0.02 bar (2.0 kPa).

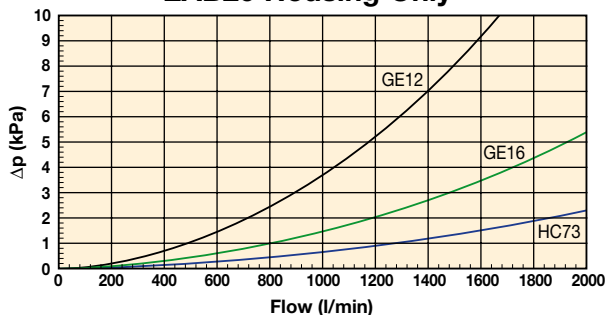
**EAB10 Housing Only**



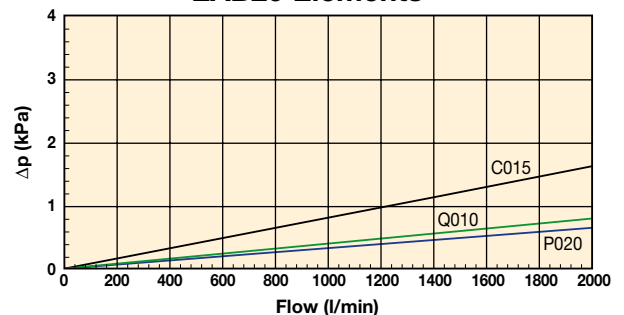
**EAB10 Elements**



**EAB20 Housing Only**

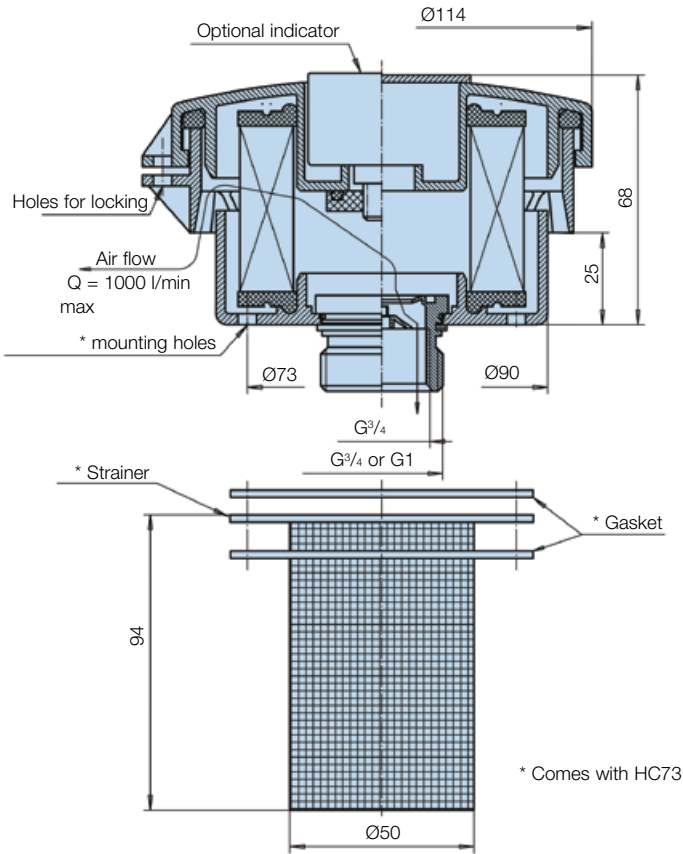


**EAB20 Elements**

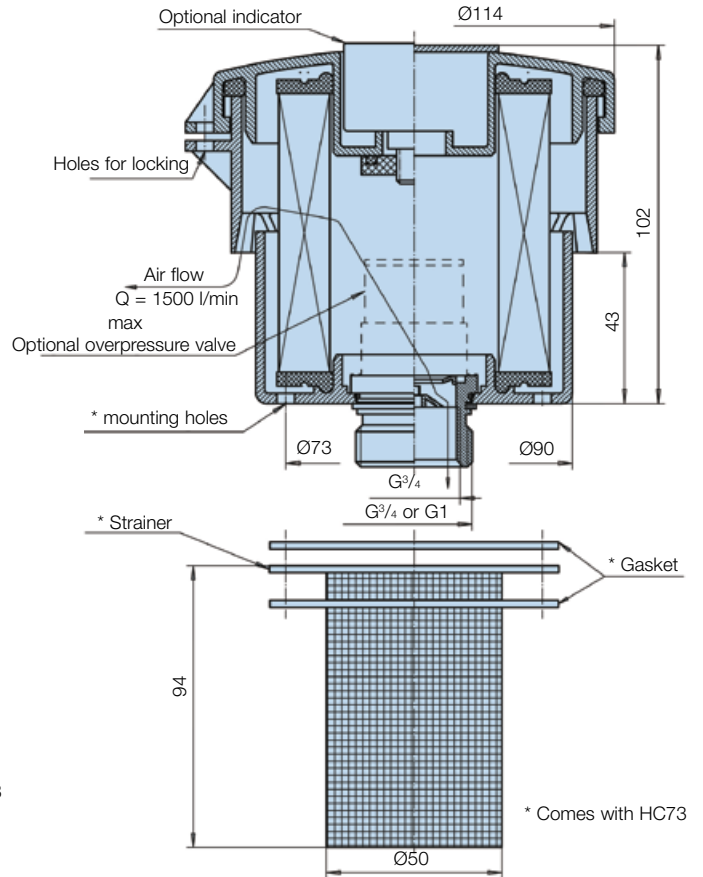


# Specification

## EAB10

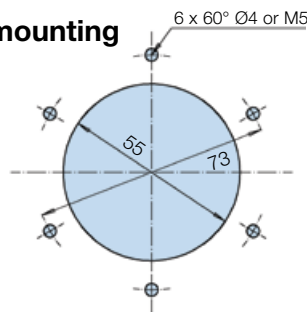


## EAB20



**NOTICE!**  
Air filters are an essential part of the system and the element needs to be replaced regularly.

### 6 hole fixing mounting dimensions



Mounting	Code
6 mounting holes	HC73
G1 external	GE16
G3/4 external	GE12
G3/4 internal and G1 external	GS12
M33 x 2 external	ME33

Note: Optional indicator scale -0.35/-0.2 to +0.2/+0.35 bar.

Note: C015 elements always come with the mounting holes where (in case the connection is not HC13) they not act as drain holes.

Note: The EAB with HC73 comes with a strainer, except when the EAB has an overpressure valve.

# EAB Series

## Reservoir Equipment

### Ordering Information

#### Standard products table

Part number	Supersedes	Model	Media	Mounting	Overpressure valve	Indicator	Replacement elements
<b>EAB20P020HC73V2</b>	EAB20P020HC73-V2	EAB20	P020	HC73	V2		<b>EAC20P020</b>
<b>EAB10P020HC73</b>	N/A	EAB10	P020	HC73			<b>EAC10P020</b>
<b>EAB20P020HC73</b>	N/A	EAB20	P020	HC73			<b>EAC20P020</b>
<b>EAB20P020GE16</b>	N/A	EAB20	P020	GE16			<b>EAC20P020</b>
<b>EAB20P020HC73A</b>	EAB20P020HC73-A	EAB20	P020	HC73		A	<b>EAC20P020</b>

#### Product configurator

Product number	Media options		Mounting options		Overpressure valve options		Indicator options	
<b>EAB20</b>	<b>P020</b>	2µ abs polyester	<b>HC73</b>	6 hole fixing incl. strainer		No overpressure valve		No indicator
<b>EAB10</b>	<b>C015</b>	1.5µ abs water resistant	GE12	G¾ external thread	V2	0.2 bar	A	Vacuum/pressure gauge
	<b>Q010</b>	1.0µ abs glass fibre	<b>GE16</b>	G1 external thread				
			GS12	G¾ internal and G1 external thread				
			ME33	M33 x 2 external thread				

#### Replacement elements

Product number	Media options	
<b>EAC20</b>	<b>P020</b>	2µ abs polyester
<b>EAC10</b>	<b>C015</b>	1.5µ abs water resistant
	<b>Q010</b>	1.0µ abs glass fibre

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: For alternative part number options, consult Parker Filtration.