

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.



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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^{3/4}", G1".

Internal thread G^{3/4}".

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.

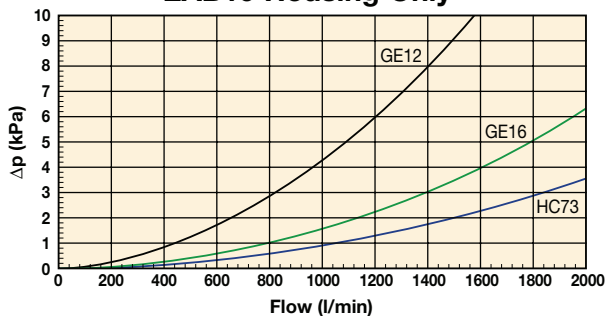
Housing includes mounting holes for a padlock, which allows you to increase the security against theft and vandalism.

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

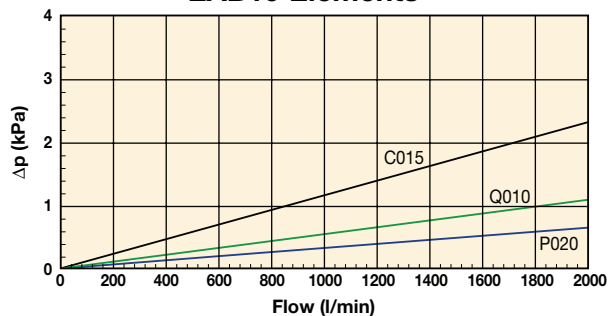
Pressure Drop Curves

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

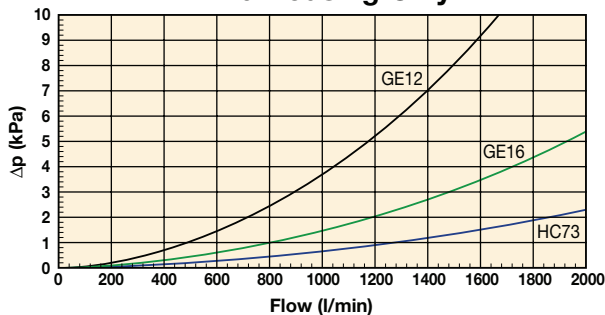
EAB10 Housing Only



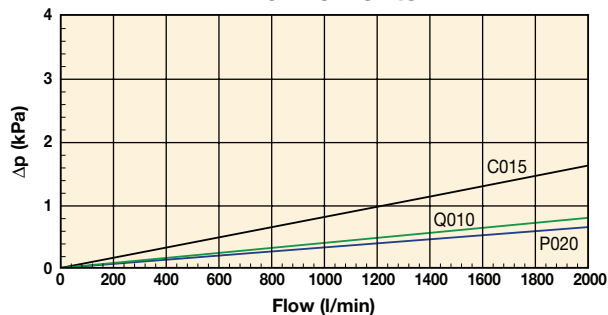
EAB10 Elements



EAB20 Housing Only

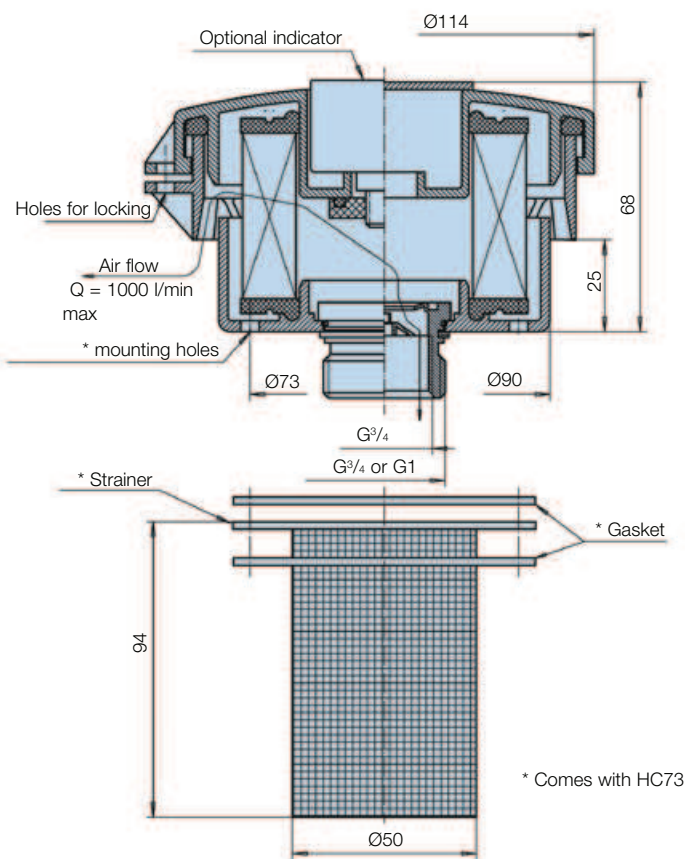


EAB20 Elements

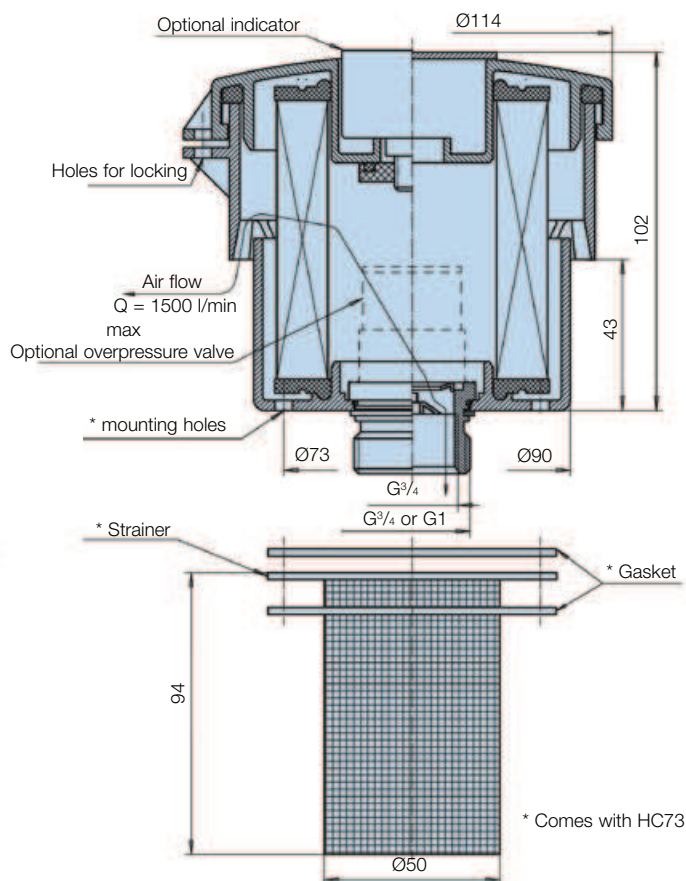


Specification

EAB10

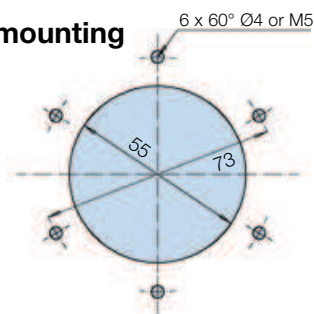


EAB20



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

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Ordering Information

Standard products table

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

Product configurator

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

Replacement elements

Product number	Media options	
EAC20	P020	2µ abs polyester
EAC10	C015	1.5µ abs water resistant
	Q010	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.