

## High-performance polypropylene filtration bag



### Description

The internal filtering part is made of 3 to 5 layers of meltblown filtering materials. The construction of the bag allows for deep retention through successive layers to maximize dirt holding capacity and extend service life. The meltblown technology ensures efficient and repeatable filtration. The first layers are made of very thick meltblown material to retain a maximum of coarse particles. The final layer(s) of the POHE100 range are made of a very compact meltblown material allowing to reach an efficiency of 99%.

The meltblown filtering materials have been carefully selected and tested by our analysis laboratory in order to guarantee a filtration of 99% at the announced porosity (BETA RATIO = 100). The results of the tests carried out on a standardized bench are available on request.

The upstream part consists of a protective spunbond pre-filter layer.

The downstream part consists of a spunbond polypropylene support to avoid any release of fibers and an additional polypropylene mesh to ensure perfect drainage over the entire surface of the bag.

Made of 100% polypropylene and without any seams, QUALIPOCHE HE100 bags guarantee silicone-free filtration and are also perfectly adapted to food applications.

### Characteristics & benefits

- Filtration efficiency of 99% at the indicated porosity.
- Beta ratio of 100 at the indicated porosity.
- Porosity wide range from 1 to 10 µm.
- 100% polypropylene.
- Welded design to prevent all risks of contamination.
- Available with O-ring or molded ring for a reinforced seal.
- Complies with EU 1935/2004, EU 10/2011 and its amendments, EU 2023/2006(in IW code).
- Made from silicone-free materials.
- Lot number on bags and packaging.

### Chemical compatibility

	Polypropylene
Alkaline	+++
Acid	+++
Oxidizer	-
Solvent	+
Tmax (°C)	90

+++ Excellent | ++ Good | + Fair | - Not compatible

Note: displayed temperatures are only applicable for metal rings. If polypropylene ring, do not go above 90°C.

### Conditions of use

Max pressure loss	2,4 bar
Recommended replacement differential pressure	0,7 - 1,4 bar
Max flow rate	8 m³/h (size 10)

### Option



It is possible to replace the spunbond top layer with a polypropylene felt bag (PO or POT).

This design allows the integration of an additional nominal depth pre-filter in order to increase the life span of the bag. This solution is perfectly adapted in the case of a too fast clogging of the upstream spunbond layer (filming phenomenon).

Reference example :

**OPT-20-PO-25-POHE100-10-EAP**

For a POHE100 10 µm bag with 25 µm felt prefilter.

## ORDER REFERENCE

Example :



## A / Size

Code	Diameter (mm)	Length (mm)	Volume (liters)	Area (dm <sup>2</sup> )
10	180	450	10	26
20	180	820	19	44
30	260	860	42	65
40	260	1070	53	85
03	95	230	1.1	6
04	107	230	1.2	8
05	110	230	1.3	9
07	95	385	2.3	11
08	107	385	2.8	12
09	110	385	3.2	14
x100	152	510	5.6	18

## B / Media

Code	Material
POHE100	High performance polypropylene felt series 100

## C / Retention threshold

Code	Porosity
1	1 µm
3	3 µm
6	6 µm
10	10 µm

## D / Ring

Code	O-ring	Available sizes
EH	Galvanized steel	All
S	Stainless steel	All
P	Polypropylene	All

Code	Molded ring	Available sizes
ERP	Profile 1 [PP]	10 / 20
ERS	Profile 1 [PES]	10 / 20
PR	Profile 1 [Santoprene™]	10 / 20
EFS	Profile 2 [PP]	10 / 20 / 04 / 08
EFSE	Profile 2 [PES]	10 / 20 / 04 / 08
X10P	Profile 3 [PP]	X100
EAP	Profile 4 [PP]	10 / 20
EAPE	Profile 4 [PES]	10 / 20
EAS	Profile 4 [Santoprene™]	10 / 20

## E / Options

Code	Description
IW	Indicates that the bags are wrapped individually. If not mentioned, bags are wrapped in batches.
LG	Standard filter bags with increased length.

