

Multi-layer filtration bag enabling optimal decreasing porosity



Conditions of use

Max pressure loss	1,5 bar
Recommended replacement differential pressure	0,7 - 1 bar
Max flow rate	15 m³/h (size 10)

Description

QUALIPOCHE MULTI bags are manufactured with several layers of polypropylene or polyester felt. The superimposition of the felts allows to create an optimal degressive porosity. This construction allows a wider spectrum of particles to be retained in the thickness of the felt: increased depth filtration for delayed clogging. The external surface of the felt is flamed to avoid any release of fibers.

This range is configurable in double or triple layer according to your needs. It is then possible to choose the porosities in order to maximize the performances. For example, a first layer of 10 µm, followed by a second of 5 µm and a last of 1 µm will allow you to obtain a 1 µm bag whose longevity will be clearly superior to standard constructions. This principle is also applicable to coarse filtration bags: a 200 µm felt stacked on a 100 µm felt allows for long-lasting 100 µm filtration.

The 2 or 3 layers of felt are directly welded to the molded ring of your choice to guarantee a filtration by stage without any bypass.

Made of 100% polypropylene or polyester and without any sewing for the injected ring bags, QUALIPOCHE MULTI bags guarantee a filtration without silicones.

Characteristics & benefits

- Choice of successive porosities (1 µm to 200 µm).
- Standard or custom made pouch.
- Available in 2 materials: Polypropylene (POX) and Polyester (PEX).
- Very high capacity economical bag.
- Increased bag life.
- Reduces the number of stops and the consumption of bags.
- Suitable for filtration of deformable particles such as gels.
- Welded construction to avoid any risk of contamination.
- Heat treated outer surface to prevent leaching.
- Woven handle on O-ring bags for better grip.
- FDA compliant. (PP felt)
- Made from silicone-free materials.
- Lot number on bags and packaging.

Chemical compatibility

	Polypropylene	Polyester
Alkaline	+++	-
Acid	+++	+++
Oxidizer	-	+++
Solvent	+	++
Tmax (°C)	90	140

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

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

ORDER REFERENCE

Example :

OPT	A	B	C	D
	20	PEX	1 + 5 + 10	EFS

A / Size

Code	Diameter (mm)	Length (mm)	Volume (liters)	Area (dm ²)
10	180	450	10	26
20	180	820	19	44
30	260	860	42	65
40	260	1070	53	85
X100	152	510	5.6	18

B / Media

Code	Material
POX	Multi-layer polypropylene felt
PEX	Multi-layer polyester felt

C / Retention threshold

Code	Porosity
1 + 5 + 10	1 + 5 + 10 µm
1 + 10 + 50	1 + 10 + 50 µm
50 + 100 + 200	50 + 100 + 200 µm
... + ... + ...	... + ... + ... µm

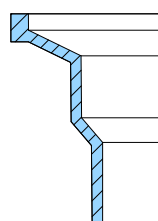
Successive porosities to define according to your needs

D / Ring

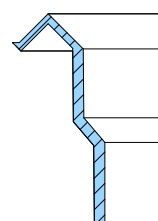
Code	O-ring	Available sizes
EH	Galvanized steel	All
S	Stainless steel	All
P	Polypropylene	All

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

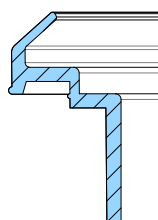
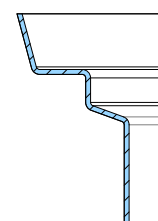
PROFILE 1



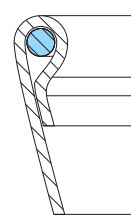
PROFILE 2



PROFILE 3



PROFILE 4



O-RING