

# QUALIPOCHE OIL

Felt bag with oil absorbent

EN Data sheet

## Filtration felt bag with integrated de-oiling microfibers



### Description

QUALIPOCHE POOAM bags and OAM sleeves are filtering elements made of de-oiling microfibers.

The hydrophobic polypropylene microfibers allow the absorption of oils, hydrocarbons and its derivatives.

QUALIPOCHE POOAM are standard felt bags in which we have inserted a microfiber charge. The microfiber filler is an integral part of the bag.

The OAM sleeves are cushions filled with microfibers. These sleeves are to be inserted inside a standard filtration bag (felt, monofilament, HE20, HE100).

Both design incorporates a perforated polypropylene inner tube to diffuse the liquid over the entire height to maximize retention capacity and avoid fiber crushing.

### Characteristics & benefits

- Depending on the hydraulic conditions, the microfiber load can capture between 2 and 4 times its weight.
- Microfiber load of 400 grams for a T10 bag.
- Microfiber load of 800 grams for a T20 bag.
- Uniform diffusion of the liquid through the microfibers thanks to the perforated PP tube.
- Do not exceed 0.5 bar of differential pressure in order not to release the captured oil.
- QUALIPOCHE POOAM model available with O-ring or molded ring for a better sealing.
- 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

|   |                  |
|---|------------------|
| Recommended replacement differential pressure | 0,5 bar          |
| Max flow rate                                 | 5 m³/h (size 10) |

## ORDER REFERENCE

Example :



Example MANCHON :



## A / Size

| Code | Diameter (mm) | Length (mm) | Volume (liters) | Area (dm <sup>2</sup> ) |
|------|---------------|-------------|-----------------|-------------------------|
| 10   | 180           | 450         | 10              | 26                      |
| 20   | 180           | 820         | 19              | 44                      |
| x100 | 152           | 510         | 5.6             | 18                      |

Other sizes available on request.

## B / Media

| Code  | Material                                 |
|-------|--|
| POOAM | Polypropylene felt with microfibers load |
| OAM   | Microfibers load                         |

## C / Retention threshold

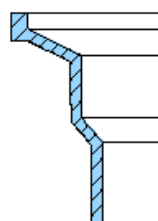
| Code | Porosity |
|------|----------|
| 1    | 1 µm     |
| 5    | 5 µm     |
| 10   | 10 µm    |
| 25   | 25 µm    |
| 50   | 50 µm    |
| 100  | 100 µm   |
| 200  | 200 µm   |

## D / Ring

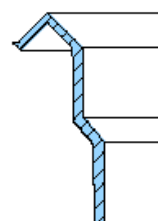
| Code | O-ring           | Available sizes |
|------|------------------|-----------------|
| EH   | Galvanized steel | All             |
| S    | Stainless steel  | All             |
| P    | Polypropylene    | All             |

| 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           |

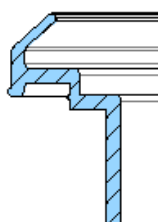
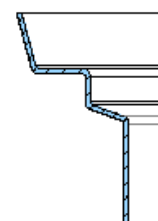
PROFILE 1



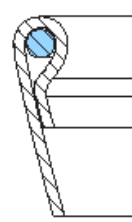
PROFILE 2



PROFILE 3



PROFILE 4



O-RING