

QUALI-PLEATED-BAG

PLEATED FILTER BAG



EN Data sheet



Recycled polypropylene

Polyester

Food-grade polypropylene



Features & Benefits

- Wide range of porosity from 0.2µm to 100µm, filter materials and media
- 100% welded and reinforced design
- High retention capacity thanks to its design (draining grids, multi-layers, etc.)
- Low pressure losses
- Contains no surfactants, binders, adhesives or silicone
- Compatible with most pocket housings on the market

Standard dimensions

| | |
|---------------------------------|----------------------------------|
| Lip seal outside diameter | 180 mm |
| External diameter external cage | 152 mm |
| Internal diameter | 72 mm |
| Length | Size 10 and 20 pocket equivalent |

Description

QUALI-PLEATED-BAG products are high-flow pleated filter elements that fit in place of a filter bag.

The large filter surface area combined with the high porosity media provide the QUALI-PLEATED-BAG with minimal pressure drop and excellent retention capabilities.

QUALI-PLEATED-BAG is assembled by heat welding to ensure maximum chemical compatibility and avoid the risk of contamination. Pressure and temperature resistance is enhanced by the injection moulded outer cage. Unlike existing technologies, this design gives the pleated filter bag greater rigidity and drastically increases the filtration area compared with conventional filter bags.

Consequently, once the 'QUALI-PLEATED-BAG' becomes blocked, it can be removed without difficulty.

QUALI-PLEATED-BAG incorporates a mesh spacer upstream and downstream of the filter media to ensure the pleats are spaced apart. This design increases filter life and maximises filtration throughput.

Building materials

| Code | Material | Max. operating temperature | Application |
|------|--------------------------|----------------------------|------------------------------|
| QTPR | Recycled polypropylene | 70°C | Reducing carbon impact |
| QTP | Food-grade polypropylene | 70°C | FDA food application |
| QTPE | Polyester | 110°C | High temperature and solvent |

Range of filter media available

| Code | Material | Application |
|------|--|---|
| PP | Polypropylene (Single-layer pleat pack) | Standard version with maximum filter surface |
| PPX | Polypropylene (multi-layer pleat pack) | Thicker configuration for longer service life |
| PE | Polyester | Application for high temperatures |
| GF | Borosilicate micro-fiberglass with polyester support | Industrial applications |
| GFF | Borosilicate micro-fiberglass with polypropylene support | Food application |
| GFF+ | Nanoalumina fibers and micro-fiberglass with polyester support | More efficient food application |

Consult us for chemical compatibility

Terms of service

| | |
|---|-------|
| Maximum pressure loss | 3 bar |
| Recommended replacement pressure differential | 2 bar |



Recycled polypropylene

Polyester



Food-grade polypropylene

ORDER REFERENCE

Example :



A / Building materials

| Code | Description |
|------|--------------------------|
| QTPR | Recycled polypropylene |
| QTP | Food-grade polypropylene |
| QTPE | Polyester |

B / Filter media

| Code | Description |
|------|--|
| PP | Polypropylene (Single-layer pleat pack) |
| PPX | Polypropylene (multi-layer pleat pack) |
| PE | Polyester |
| GF | Borosilicate micro-fiberglass with polyester support |
| GFF | Borosilicate micro-fiberglass with polypropylene support |
| GFF+ | Nanoalumina fibers and micro-fiberglass with polyester support |

C / Removal ratings

| Code | Filtration efficiencies ¹ | | Materials | | | | | |
|------|--------------------------------------|--------|-----------|-----|----|----|-----|------|
| | 90% | 99,9% | PP | PPX | PE | GF | GFF | GFF+ |
| 05 | 0,2 µm | 0,5 µm | • | • | | | | • |
| 1 | 0,5 µm | 1 µm | • | • | | • | • | |
| 3 | 1 µm | 3 µm | • | • | | | | |
| 5 | 3 µm | 5 µm | • | • | • | | | |
| 10 | 5 µm | 10 µm | • | • | | | | |
| 20 | 10 µm | 20 µm | • | | • | | | |
| 35 | 20 µm | 35 µm | • | | | | | |
| 50 | 25 µm | 50 µm | • | | • | | | |
| 90 | 50 µm | 90 µm | • | | | | | |

¹ Filtration efficiencies are determined in a single pass according to the modified NFX45-303 test protocol in the laboratory under high-flow operating conditions.

D / Sizes

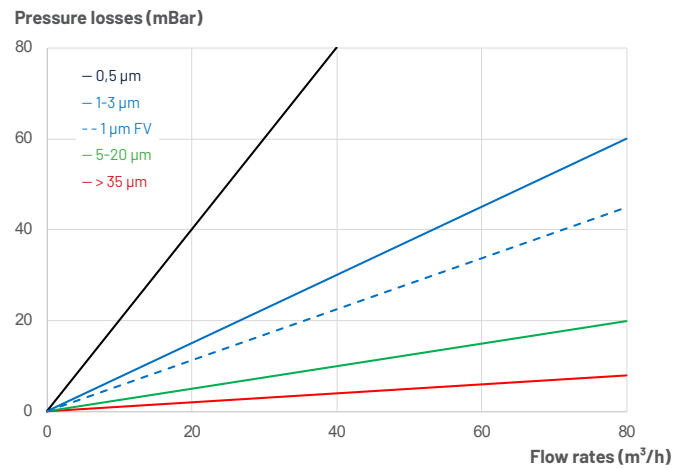
| Code | Description |
|------|------------------|
| 10 | Size 10 (290 mm) |
| 20 | Size 20 (530 mm) |
| 20+ | Size 20+ (700mm) |

E / Seal materials

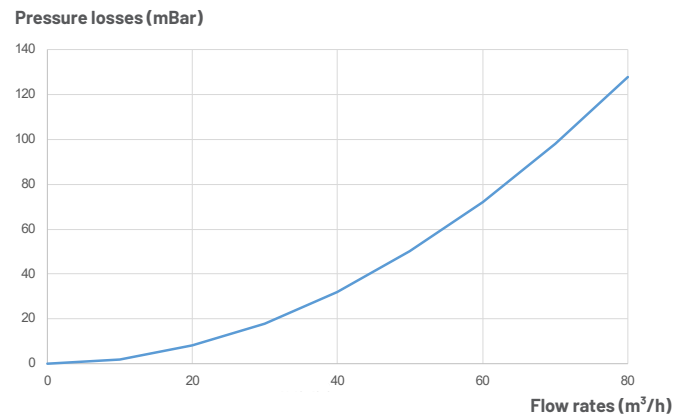
| Code | Description |
|------|-------------|
| N | NBR |
| E | EPDM |
| F | FPM |

Typical flow rates :

Pressure drops for filtration media only



Pressure drops for a size 20 pleated filter bag²



² Typical initial pressure drop ΔP per 40" element, water at 20°C, viscosity 1cP.

