

ULTRAFIT® - Filter Bag

Welded, Multi-layer High Performance Filter Bags

The **ULTRAFIT®** High-Capacity Filter Bags are produced acc. a patented production procedure and thereby reach a new standard in the filtration technology.

By three unique bag series (100-500-800) the user has the possibility to cover nearly all use applications.

The completely together welded **ULTRAFIT®** filter bag from several situations of a Polypropylene of glaze fiber fleece are free of leakage, without any seams with needle sting holes. Also the crossing to the patented **Zero-Bypass™** locking collar is thanks to the ultra-sonic welding freely from by-pass and seals the filter bag in the case reliably.

The extremely high efficiency reach the **ULTRAFIT®** filter bag by an also patented laminator process. On this occasion, the different gradations of multi-layered Polypropylene fiber fleeces are welded together and thereby reach an retention rate from up to 99.98% (BETA 5000).

BENEFITS

Completely from Polypropylen - Which become an **ULTRAFIT®** filter bag exclusively from Pure-Polypropylene in a quality free of fiber made and correspond to the FDA-CFR21 regulations.

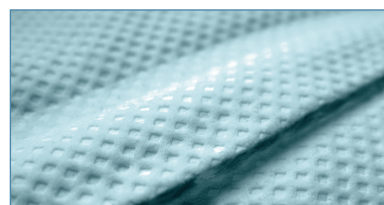
Welded together construction - by a special ultra-sonic technology are welded together the **ULTRAFIT®** filter bag completely.

High retention efficiency (99.98%) - The guaranteed producing efficiency reaches up to 99.98% (BETA 5000) with filter delicacies under 1 µm.

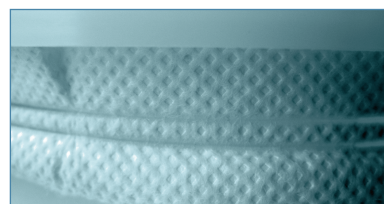
Multi-layer construction - calibrated construction with up to 7 filter situations in fabric-reinforced implementation available.

Reliable sealing - by the patented **Zero-Bypass™** locking collar.

Well interchangeable - The **ULTRAFIT®** filter bags suit for all market-customary filter housings.



Precision welding seam



Form part with handle



Welding form part / filter material

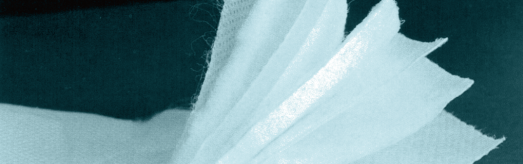
DEILIVERABLE **ULTRAFIT®** - FILTER BAGS

TECHNICAL DATA

| Material | Micron rates | Temperatur | Bag size | 4 | 5 | 1 | 2 |
|--|---|------------|---|------|------|------|------|
| Polypropylene Micro fibre filter bag closure | 0,2; 0,4; 0,6; 0,8; 1; 2; 5; 10; 25; 50; 100; 200 µm | max. 82°C | Filter area (~m ²) | 0.09 | 0.18 | 0.25 | 0.50 |
| | | | Max. water flow rate m ³ /h at 25 µm | 3 | 6 | 7 | 16 |
| | | | Bag ø (mm) | 102 | 102 | 178 | 178 |
| | | | Bag length (mm) | 350 | 640 | 400 | 840 |

Subject to technical alterations.
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acuraLine®



APPLICATION AREAS

- Varnish and coatings
- Pharmaceutical products
- Drinking water
- Cosmetics and food
- Process water
- Catalysator recovery
- Organical solvents (alcohol, etc.)
- Inks and paints
- Petro chemical
- Hydro carbones
- Magnet band suspensions
- Beverage filtration

HIGH-PERFORMANCE-BAG-FILTER-SERIES

Bag filter series Bag structure and application fields

ULTRAFIT® 100 This filter bag is suited for the filtration with a middle solid load and for the sewage filtration in the batch use.
The structural construction passes of 3 filter situations and 2 supporting situations as well as a (IP) fabric strengthening for a higher difference pressure load. These filter bags with retention rates of 1 - 200 µm are available with an efficiency of 97%.

ULTRAFIT® 500 The series 500 is conceived especially for the demanding filtration with "High-Purity" demands. An additional smoothing of the flow mesh prevents the drift of fibers in the filtrate. The bag structure passes of 6 filter situations, 2 supporting situations as well as a (IP) fabric strengthening for a higher difference pressure load. The available retention rates with an efficiency of 99% lie between 0.5 and 50 µm.

ULTRAFIT® 800 For the critical filtration where validated and reproduceable results are necessary in sub-micronal retention area the series 800 was developed. Their structural construction exists of 7 filter situations, 3 supporting situations as well as an flow mesh free of fiber.

Absolute retention rates of 0.2 - 0.4 - 0.6 and 0.8 µm are available with an efficiency of 99.98% (BETA 5000).

IP series The integrated external fabric strengthening (Polypropylene monofil) serves for the rise of the difference pressure permanence infers with a raised solid load capacity. With the **ULTRAFIT®** series 100, 500 and 800 this fabric strengthening is production.

ORDERING INFORMATIONS FOR HIGH-PERFORMANCE-FILTER BAG

ULTRAFIT®

Sample : 500-P-005-P2-IP (Series 500, Material: Polypropylene, Micron rate: 5µm, Size: P2, Length: 840 mm, Option: external mesh support)

| Product | Series | Material | Micron rates | Bag length at bag size | Option |
|------------------|------------|-------------------|---|--|---|
| ULTRAFIT® | 100 | P = Polypropylene | 001 = 1 µm 002 = 2 µm 005 = 5 µm 010 = 10 µm 015 = 15 µm 025 = 20 µm 050 = 50 µm 100 = 100 µm 200 = 200 µm | P1 = 400 mm* P2 = 840 mm P4 = 350 mm P5 = 640 mm *only for serie 100 deliverable. | IP = external mesh reinforcement (standard) EXP = submicron-type at series 500 (standard for Serie 800 - 0.2 µm) |
| | 500 | | 02 = 0.2 µm (800) 04 = 0.4 µm (800) 06 = 0.6 µm (800) 08 = 0.8 µm (800) | | |
| | 800 | | | | |