

Product overview

LCT Filter Bag



acuraBag® Standard Filter Bag

acuraBag® fully welded filter bags come in variety of needle felt materials: polyester, polypropylene and nylon. All seams are welded rather than sewn, and combined with either of our positive sealing moulded bypass free (polypropylene or polyester) welded rings, no process liquid can bypass through needle holes. Our monofilament mesh bags are constructed of single, untwisted threads, that are woven with evenly spaced holes for better strength, perfectly suited for precise sifting, straining and classifying. A wide assortment of collar and ring types are available to ensure compatibility with most bag vessels on the market. Standard is our polymeric ring which provides a complete hermetic closure, and its selfaligning design eliminates the sealing concerns of traditional steel rings.

Of course we deliver our standard filter bags also with collar-ring options, such as a stainless steel, steel or polypropylene.



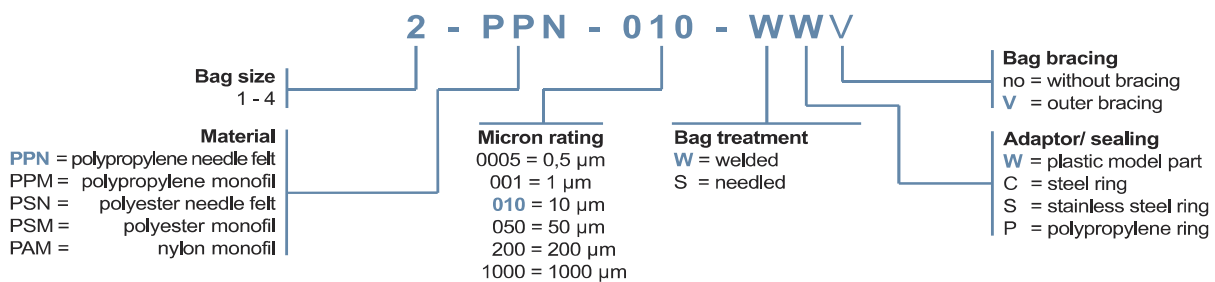
packing:
single shrink-wrapped /
LOT-No. tagged

AVAILABLE STANDARD FILTER BAGS acuraBag®

TECHNICAL DATA

Bag material	Micron rating	Temperature	Bag size	1	2	3	4
polypropylene needle felt polyester needle felt	1 - 200 µm 0,5 - 200 µm	max. 90°C max. 120°C	filter area (~m ²)	0,25	0,5	0,07	0,12
			bag volume (l)	8	17	1,4	2,5
			bag ø (mm)	178	178	102	102
			bag length (mm)	420	815	223	380
polypropylene monofil polyester monofil nylon monofil	100 - 800 µm 50 - 800 µm 1 - 1200 µm	max. 90°C max. 120°C max. 90°C	This information is approximate values and is able according to filter material and micron rating slightly sway.				

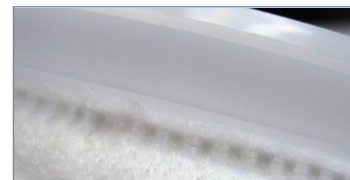
ORDERING INFORMATIONS FOR STANDARD FILTER BAGS acuraBag®



precision welding seam



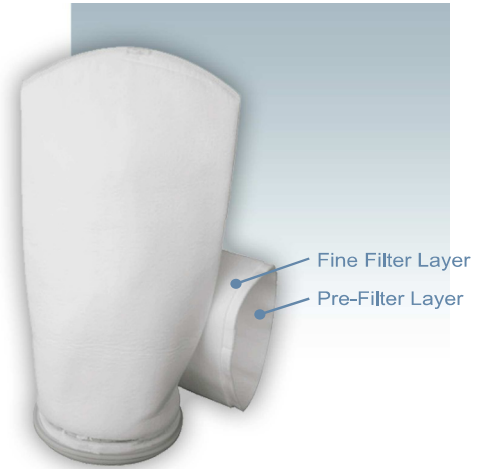
support adaptor ring with handles



welding adaptor/ filter mesh

acuraBag XL 2-layer Filter Bag

acuraBag XL fully welded 2-layer filter bags come in variety of needle felt materials: polyester and polypropylene. All seams are welded rather than sewn, and combined with either of our positive sealing moulded bypass free (polypropylene or polyester) welded rings, no process liquid can bypass through needle holes. The two layer design allows a maximum service life of the filter bag. Bigger particles are retained in the pre-filter layer and discharge the fine filter. Standard is our polymeric ring which provides a complete hermetic closure, and its selfaligning design eliminates the sealing concerns of traditional steel rings.



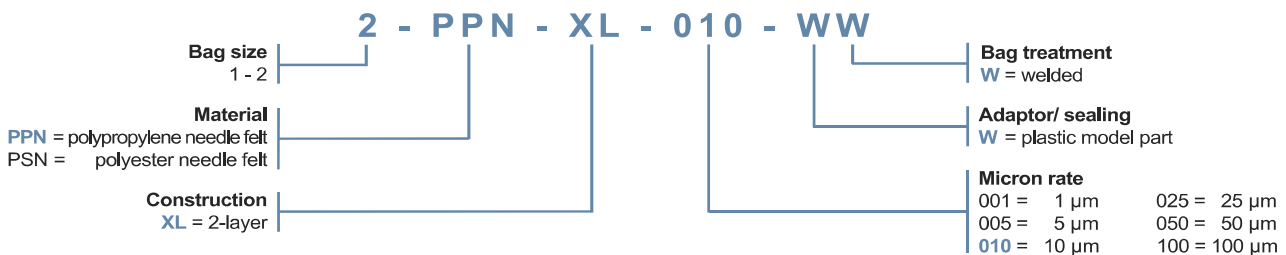
packing:
single shrink-wrapped /
LOT-No. tagged

AVAILABLE 2-LAYER FILTER BAGS **acuraBag XL**

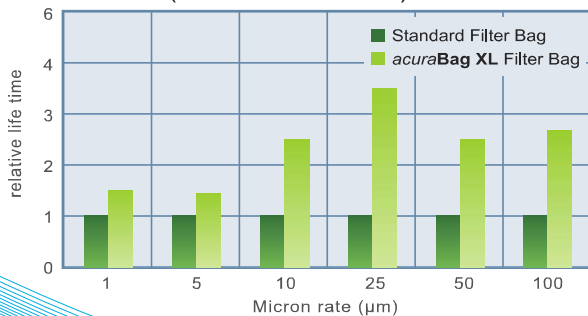
TECHNICAL DATA

Bag material	Micron rating	Temperature	Bag size	1	2
polypropylene needle felt polyester needle felt	1 - 100 µm 1 - 100 µm	max. 90°C max. 120°C	filter area (~m ²)	0,25	0,5
			bag volume (l)	8	17
			bag ø (mm)	178	178
			bag length (mm)	420	815
This information is approximate values and is able according to filter material and micron rating slightly sway.					

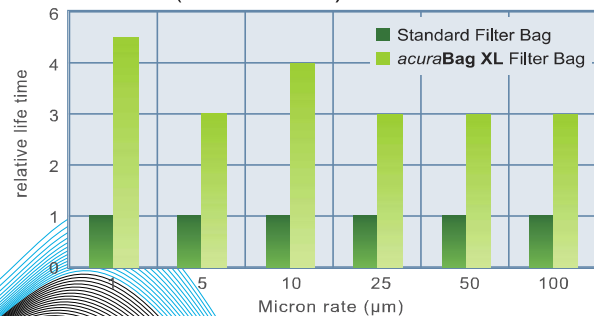
ORDERING INFORMATION FOR 2-LAYER FILTER BAGS **acuraBag XL**



SERIES PPN (POLYPROPYLENE)



SERIES PSN (POLYESTER)



Bag Type BP / BN Filter bag

Filter bags **BP / BN** are inexpensive filters that are characterized by high efficiency and high performance. They have been developed specifically for use in PBH-housings. The top is sealed by a welded sealing adaptor. All joints are also welded at the **BP** bags. Particle migrations through seams and needle holes belong to the past. The filter bags **BP / BN** are available in polypropylene and nylon. All processed materials are free from substances harmful, such as Silicone.



TECHNICAL DATA

BP / BN

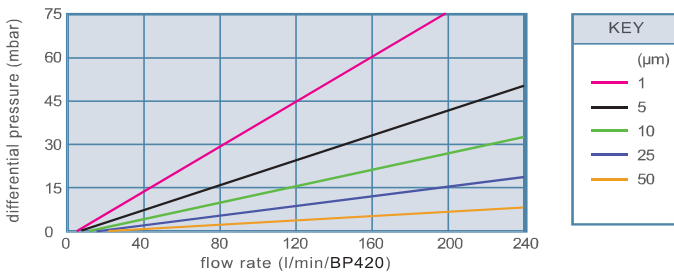
Material	Micron rating	Temperature
BP : PP needle felt BN : Nylon monofil	BP : 1 - 200 µm BN : 50 - 800 µm	max. 38°C
Max. diff. pressure	Bag length	Bag size
3 bar	410 / 420 218 / 457 mm	410 : 102x218 mm 420 : 102x457 mm

FEATURES

- Depth filter material with high dirt hold capacity
- High range of micron ratings
- Very high resistance
- Bypass free filtration

Laue Cleaning Technology GmbH

FLOW RATING



The determination of the values was carried out with water at 20°C

The diagram shows the flow rates of BP-420 bag. For a BP of 410 bags are the values to be divided by a factor of 2:33.

ORDERING INFORMATION FOR FILTER BAGS

Type BP / BN

		BP-410-200	
Product description BP = PP-needle felt BN = nylon monofil	Bag size 410 = 102 x 218 mm 420 = 102 x 457 mm	by BP	by BN
		01 = 1 µm 05 = 5 µm 10 = 10 µm 25 = 25 µm 50 = 50 µm 100 = 100 µm 200 = 200 µm	50 = 50 µm 100 = 100 µm 150 = 150 µm 200 = 200 µm 250 = 250 µm 300 = 300 µm 400 = 400 µm 600 = 600 µm 800 = 800 µm

PP-needle felt bag with welded gasket ring



acuraBag® Oil Adsorption

Oil Adsorption Filter Bags

Oil adsorption filter bags **acuraBag® Oil Adsorption** are characterized by high efficiency and high performance. The upper seal is made by a welded plastic collar and guarantees a bypass-free seal. The material is adapted to the filter material in order to eliminate resistance problems. All joints are thermally welded, particle migration through seams and needle holes are a thing of the past. Available are the filter bags **acuraBag® Oil Adsorption** in the material polypropylene, as well as in the bag sizes 1 and 2.

The oil adsorbing filter bags **absorb up to 0.5 liters of oil**. By **physical adsorption** the microfibre needle felt can adsorb dissolved, emulsified and dispersed oil from water.



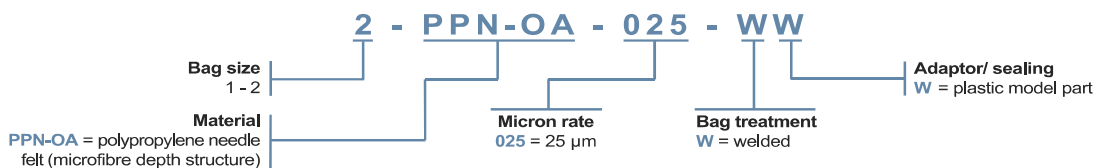
packing:
single shrink-wrapped /
LOT-No. tagged

AVAILABLE OIL ADSORPTION FILTER BAGS **acuraBag® Oil Adsorption**

TECHNICAL DATA

Bag material	Micron rating	Temperature	Bag size	1	2
polypropylene needle felt (microfibre depth structure)	25 µm	max. 90°C	filter area (~m ²)	0,25	0,5
			bag volume (l)	8	17
			bag ø (mm)	178	178
			bag length (mm)	420	815
			This data are based on approximated values and may vary according to filter type and micron rate.		

ORDER INFORMATION FOR OIL ADSORPTION FILTER BAGS **acuraBag® Oil Adsorption**



precision welding seam



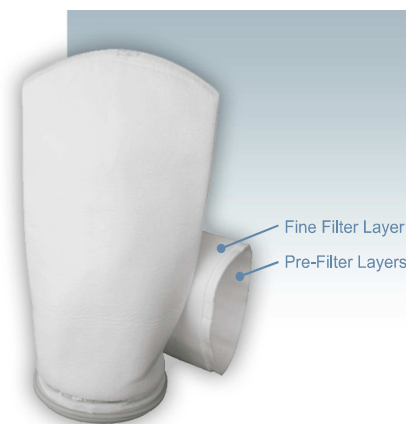
support adaptor ring with handles



welding adaptor/ filter mesh

acuraBag XXL 3-layer Filter Bag "absolute"

3-layered filter bags **acuraBag XXL** are high-quality filters, which are characterized by a **maximum efficiency** and an **absolute filter rating** compared to nominal standard filter bags. The **multi-layer structure** allows pre-filtration in the first and the first filter layers. The upper seal is made by a welded plastic molding whose sealing lip guarantees a bypass-free seal. The material is adapted to the respective filter material to exclude resistance problems. All connections are thermally welded, particle churning through seams and pinholes are a thing of the past. The bags are **produced in a clean room** and pass **several quality checks** to ensure a constant, **high quality**.



packing:
single shrink-wrapped /
LOT-No. tagged

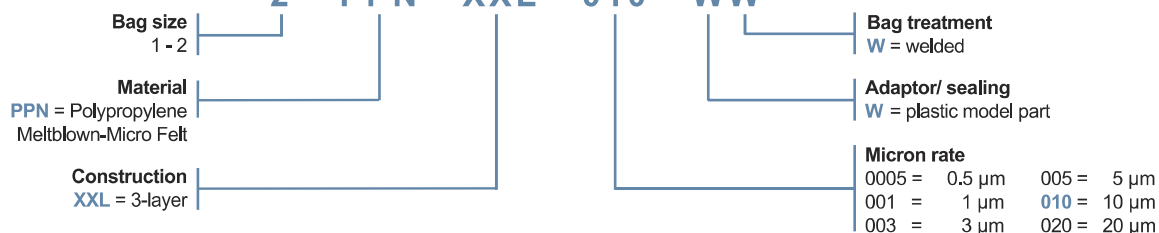
AVAILABLE 3-LAYER FILTER BAGS **acuraBag XXL**

TECHNICAL DATA

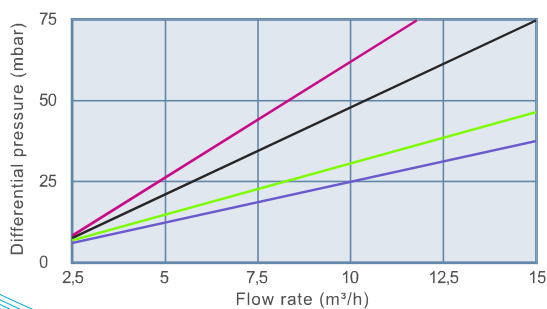
Bag material	Micron rating	Temperature	Bag size	1	2
			polypropylene meltblown-micro felt	0.5 µm at 99% 1 µm at 99% 3 µm at 99% 5 µm at 99% 10 µm at 99% 20 µm at 99%	max. 82°C
			bag volume (l)	8	17
			bag ø (mm)	178	178
			bag length (mm)	420	815
			flow rate max. (m ³ /h)	5,5	11
			diff. pressure max. (bar)	2,4	2,4

ORDERING INFORMATION FOR 3-LAYER FILTER BAGS **acuraBag XXL**

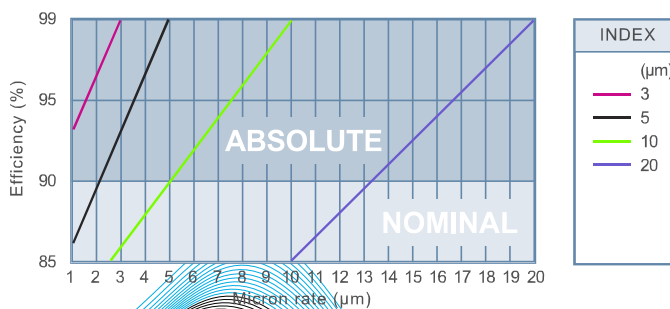
2 - PPN - XXL - 010 - WW



FLOW RATE



EFFICIENCY



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.

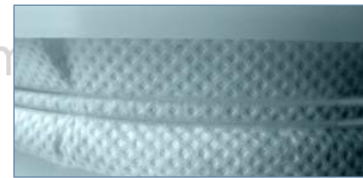
Multi-layer construction - calibrated construction with up to 7 filter situations in fabric-reinforced implementation available.

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