

# Data sheet

## Filtration & Separation

### Absolute rated microfiber bag LT-AR300

#### In general

The AR900 series combine pleated pre-filtration layers with multiple composite end-filtration layers. The pleated filter material increases the filter surface area thus providing higher dirt capacity and longer service life. The multiple end-filtration layers make the bag ideally suited for high removal efficiency applications. The microfiber media depth additionally provides very efficient filtration of gelous pollutants. The filter bags are available in different designs.

#### Features

- Manufactured of high quality polypropylene microfiber meltblown material, polypropylene needle felt and polypropylene protective layer material
- Multiple layer composite matrix with absolute retention rates
- Seam: ultrasonic welded seam
- Ring design: Polysnap ring polypropylene
- Ring mounting: ultrasonic welding or stitched
- FDA conformity, free of silicone and other types of contamination
- High contaminant retention capacity, extended service life
- High absorptive properties, oil absorbing properties
- Low disposal costs
- Broad chemical compatibilities



Absolute rated microfiber bag

#### Technical data

Size	Filter area	Fineness	Operating temperature	Differential pressure	Flow rate
1 (Ø180x420mm)	0,60 m <sup>2</sup>	1 – 15µm at 90% retention rate	max. 75°C	Exchange recommended at: 0,7 - max. 1,5 bar	6 - 10 m <sup>3</sup> /h
2 (Ø180x820mm)	1,10 m <sup>2</sup>				12 - 18 m <sup>3</sup> /h

#### Applications

Please check the chemical resistance against your fluid as well as the applicability for your application before usage:

- Automotive industry
- Water filtration and purification
- Food & beverage industry
- Chemical industry
- Paint industry
- Pharmaceutical industry

Type	Retention rate (µm)*			ΔP (bar)* 15 m <sup>3</sup> /h Gr. 2
	>90%	>95%	>99%	
AR 922	1	1,5	3	0,1
AR925	2	4	5,5	0,02
AR 927	5	8	12	0,01
AR 929	15	21	30	0,01

\*Data based on laboratory trial with pure water at ambient temperature and controlled delta p of 0,1 bar. Data may vary depending on specific application and filter bags used.

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#### Ordering information

LT-AR	-	925	-	WS	-	2	-	P	-	R
Filter material		Fineness		Seam design		Size		Ring design		Bottom Shape
AR: Polypropylene microfiber, multiple layer, absolute		922: 1 µm 925: 2 µm 927: 5 µm 929: 15 µm		WS: Welded seam  SE: Stitched seam		1: 0,25 m <sup>2</sup> Ø 180x420 mm 2: 0,5 m <sup>2</sup> Ø 180x820 mm		P: Polypropylene Polysnap PE: Polyester Polysnap S: zinc plated steel ring ST: AISI 304 steel ring SU: AISI 316L steel ring		R: semi-circle