



Operating principle The filter combination consists of two filter systems, which are connected in series. A manometer (econometer) is mounted at the input connection and displays the abrasion. The econometer controls the current pressure difference and informs about the necessary change of the used filter element. The filter combination is delivered in pre-assembled including a rotatable wall fastening.

Dimensions

Height (incl. manometer):	266 mm
Width (total):	295 mm
Depth (total):	130 mm
Pneumatic connection:	G ¼" (input and output)

Mounting The filter combination has been mounted vertically.

Weight 1,0 kg (volume 0,35 l) per filter

Medium Air or neutral gas (filtered)

Material

Surface	: Polyester resin (powder-coated)
Case	: Aluminium pressure casting
Union nut	: Aluminium with acoustic warning signal
Econometer	: Plastic
Enclosure sealing	: Solvent free O-ring (material Perbunan)

Operating Pressure Minimum pressure: 1,5 bar, Maximum pressure: 16 bar

Filter elements

1. Filter stage

PE



2. Filter stage

SMF

Technical data

1. Filter stage (PE filter unit)

Sintered polyethylene

Pore size 25 μm

Separation of solid particles, oil and water

2. Filter stage (SMF filter unit)

Polyurethane microfilter fleece

Pore size 0,01 μm

Separation efficiency 99,99999 %

Concentration of remaining oil 0,01 mg/m^3

Procedure

1. Filter stage (PE filter unit): Compressed air, contaminated with fine dust is filtered by the filter material. Solid particles, which are larger than 25 μm , cannot pass the filter because of different filter processes like impact and filtration.

2. Filter stage (SMF filter unit): Effective two stage filter process with a integrated 1 μm upstream filter. Fluid and solid particles up to 0,01 μm of size will be separated by using different filter processes like impact, filtration and diffusion.

We recommend the exchange of the PE- and SMF filter units after one year at the latest referring to the degree of soiling.

Permissible temperatures

Enclosure: min. -25°C / max. +120°C

Econometer (manometer): max. +60°C

PE filter unit: max. +80°C

SMF filter unit: max. +80°C

Fixing

Wall fastening (included in delivery)

Included in delivery

2-stage filter combination with PE- and SMF-filter unit, wall fastening, screws, installation manual

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