

## Filter for high pressures up to 40 bar, 40 µm, G 1 - Riegler 101163

Item no. RGL-101163

Manufacturer Riegler

EAN 4047322112383

Filter for high pressures up to 40 bar, 40 µm, G 1

### TECHNICAL DATA

|                           |                    |
|---------------------------|--------------------|
| Condensate drain          | Manual drain valve |
| Country of Manufacture    | Germany            |
| Filter grade [µm]         | 40                 |
| Flow rate [l/min]         | 3350               |
| Housing material          | Aluminium          |
| Inlet pressure max. [bar] | 40                 |
| Material                  | Aluminium          |
| Pneumatic connection      | G1                 |
| Thread                    | G 1                |
| Weight                    | 2.027 kg           |
| Zolltarifnummer           | 84213925           |



### DESCRIPTION

Filter for high pressures up to 40 bar, with manual bleeder valve, 40 µm, G 1, Medium temperature max. 90 °C Centrifugal separators with a sintered filter element.

### TECHNICAL DATA

|                          |                    |
|--------------------------|--------------------|
| Thread                   | G 1                |
| Max. input pressure      | 40 bar             |
| Housing                  | aluminium          |
| Filter rating            | 40 µm              |
| Min. medium temperature  | 0 °C               |
| Max. medium temperature  | 90 °C              |
| Min. ambient temperature | 0 °C               |
| Max. ambient temperature | 90 °C              |
| Condensate drain         | manual drain valve |
| Flow rate                | 3350 l/min         |
| Bowl                     | brass              |
| A                        | 80.0 mm            |
| B                        | 205.0 mm           |

#### A1-ESD equipment

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@esd-equipment.com

fluidics-equipment.com

Page 1/2

## STANDARDS AND ORIGIN

- Customs tariff number: 84213925
- Country of origin: DE

## ABOUT FILTERS

Compressed air filters hold back particles and condensate before they reach valves, cylinders and tools. The group spans microfilters from 0.01  $\mu\text{m}$  to coarse pre-filters at 90  $\mu\text{m}$  and covers flow rates from 130 to 30000 l/min. Permissible inlet pressure lies between 10 and 60 bar depending on the series.

## WHAT MATTERS WHEN CHOOSING

- Filter rating: From 0.01 to 90  $\mu\text{m}$ . Coarse elements protect whole sections of the network at low pressure drop, while 0.01  $\mu\text{m}$  microfilters sit directly ahead of sensitive consumers and are best combined with a pre-filter.
- Thread and DN: Ports run from G 1/8 to G 2 plus R 3/4 to R 1 1/4, nominal bores from 5 to 55 mm. Only the nominal bore shows whether the body carries the required volume flow.
- Flow rate: 130 to 30000 l/min. Size against peak demand, because an undersized body lets pressure collapse exactly when every consumer draws at once.
- Condensate drain: Options include a plug, manual drain, hand drain valve, semi-automatic and fully automatic versions up to a normally closed type. Mounting position and accessibility decide.
- Housing: Documented materials are PA66 GF60, technopolymer, aluminium and aluminium die casting, zinc die casting, brass, nickel-plated steel plus stainless steel 1.4404 (AISI 316L) and cast stainless 1.4401 (AISI 316). Environment, cleaning agents and mechanical load set the choice.

## TYPICAL APPLICATIONS

- Main filter where compressed air enters a workshop or machine installation.
- Pre-filtration ahead of pressure regulators and valve manifolds.
- Fine filtration ahead of paint, dosing and coating equipment.
- Protection of pneumatic instrumentation and small valves against residual particles.
- After-filtration downstream of refrigeration dryers in workshop and test areas.

Sealing materials are given as NBR, FKM and HNBR, medium temperature as -10 to 90 °C. The 405 items belong to the FUTURA, SYNTESI, multifix, variobloc, GA, inline, Bavaria and Standard series together with their mini sizes.