

Filter »GA«, PC container, Protective cage, 5 µm, Size 300, G 1/2 - Riegler 178458

Item no. RGL-178458

Manufacturer Riegler

EAN 4047322666558

Filter »GA«, PC container, Protective cage, 5 µm, Size 300, G 1/2

TECHNICAL DATA

Betriebsdruck max [bar]	9.000000
Condensate drain	semi-automatic
Country of Manufacture	China
Filter grade [µm]	5
Flow rate [l/min]	3100
Housing material	Die-cast aluminium
Inlet pressure max. [bar]	10
Material	Die-cast aluminium
Pneumatic connection	G1/2
Seal material	NBR
Series	GA
Size BG	300
Thread	G 1/2
Weight	0.474 kg
Working pressure max. [bar]	9
Zolltarifnummer	84213925



DESCRIPTION

Filter »GA« PC container, Protective cage, Mounting bracket, 5 µm, Size 300, G1/2, Input pres. max 10 bar, Working pres. 1.5-9 bar Centrifugal separators with a sintered filter element.

TECHNICAL DATA

Thread	G 1/2
Size	300
Max. input pressure	10 bar
Housing	die-cast aluminium
Sealant	NBR
Filter rating	5 µm
Min. working pressure	1.5 bar
Max. working pressure	9 bar
Bowl	polycarbonate container with protective cage
Flow rate	3100 l/min

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Condensate drain	semi-automatic
A	62.5 mm
B	197.0 mm
C	39.0 mm
D	158.0 mm
Series	GA
Flow rate measurement	at P1 = 8 bar, P2 = 6 bar and pressure drop $\Delta p = 1$ bar

STANDARDS AND ORIGIN

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

ABOUT FILTERS

Compressed air filters hold back particles and condensate before they reach valves, cylinders and tools. The group spans microfilters from 0.01 μm to coarse pre-filters at 90 μm 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 μm . Coarse elements protect whole sections of the network at low pressure drop, while 0.01 μm 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.

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