

Filling unit »FUTURA«, electr. actuated, 24 V DC, Size 1, G 1/4 - Riegler 100317

Item no. RGL-100317

Manufacturer Riegler

EAN 4047322191814

Filling unit »FUTURA«, electr. actuated, 24 V DC, Size 1, G 1/4

TECHNICAL DATA

Certification	DIN 40050
Country of Manufacture	Italy
Flow rate [l/min]	1400
Housing material	PA66 GF60
Inlet pressure max. [bar]	10
Material	PA66 GF60
Medium	Compressed air, neutral gases
Norm	EN 175301-803
Pneumatic connection	G1/4
Protection rating	IP65
Series	FUTURA
Size BG	1
Thread	G 1/4
Weight	0.444 kg
Zolltarifnummer	84812090



STANDARDS & COMPLIANCE

EN 175301-803 DIN 40050

DESCRIPTION

Filling unit »FUTURA«, electr. actuated with solenoid 24 V DC, 2.5 watt, Size 1, G 1/4, Exhaust G 1/4, Input pressure 2.5 - 10 bar The filling unit protects devices connected downstream by ensuring a gradual build-up of pressure. The unit consists of a 3/2-way valve including silencer and a filling valve (start-up valve). It is connected and disconnected by means of the 3/2-way valve. The filling time can be altered by turning the adjusting screw.

TECHNICAL DATA

Thread	G 1/4
Size	1
Min. input pressure	2.5 bar
Max. input pressure	10 bar
Min. temperature range	-10 °C

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Max. temperature range	50 °C
Housing	PA66 GF60
Connecting thread	material die-cast zinc
Power input	2.5 watt with DC voltage
Pick-up power with 50 Hz AC voltage	2.2 VA
Holding power with 50 Hz AC voltage	1.6 VA
Flow rate	1400 l/min
Exhaust air	G 1/4
A	104.0 mm
B	117.8 mm
C	84.8 mm
D	33.0 mm
Series	FUTURA
Flow rate measurement	at P2 = 6 bar and pressure drop $\Delta p = 1$ bar
Medium	compressed air, neutral gases
Duty cycle	100 %
Protection IP	IP 65
Electrical connection	connector socket EN 175301-803, type C, poles 2+PE

STANDARDS AND ORIGIN

- Customs tariff number: 84812090
- Country of origin: IT

ABOUT SYSTEM EXTENSIONS

System extensions add functions to an existing air preparation unit that filters and regulators do not cover, for example an electrically actuated switching valve that turns plant sections on and off and exhausts them when switched off. The 233 items cover threads from G 1/8 to G 1 and run on an inlet pressure of 9 to 16 bar maximum.

WHAT MATTERS WHEN CHOOSING

- Frame size and thread have to match the existing unit. The range documents G 1/8 to G 1 plus size designations from 0 to 600.
- The series decides whether a module can be added to the assembly. Available lines include FUTURA and FUTURA-mini, SYNTESI, multifix and multifix-mini, variobloc as well as G, G-mini and GA-mini. A module only fits the line it was designed for.
- Choose flow rate from the air demand of the installation rather than from the thread alone. Documented values run from 1400 to 18000 l/min.
- Compare the maximum inlet pressure of 9 to 16 bar against your line pressure. Individual modules are rated for an operating pressure of up to 25 bar.

- Select the housing to suit the environment and the mechanical load. Documented materials are PA66 GF60 and technopolymer, die-cast aluminium and zinc, aluminium and nickel-plated brass.

TYPICAL APPLICATIONS

- Switching plant sections on and off from an electrical signal, with simultaneous exhaust
- Extending existing air preparation units in compressed air distribution
- Making machines pressure-free while they are at standstill
- Distribution points on production lines with several consumers
- Installations that carry neutral gases alongside compressed air

Documented data include protection class IP 65 or IP 65 (P 54) to DIN 40050, NBR seals and medium temperatures from -10 °C to 60 or 70 °C depending on the module. Production takes place in Germany, Italy, Poland and China.

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