

Service unit 3-part »FUTURA-mini« PC container, G 1/4, 0.5-8 bar - Riegler 142491

Item no. RGL-142491

Manufacturer Riegler

EAN 4047322557177

Service unit 3-part »FUTURA-mini« PC container, G 1/4, 0.5-8 bar

TECHNICAL DATA

Condensate drain	semi-automatic
Control range max. [bar]	8
Country of Manufacture	Germany
Filter grade [µm]	5
Flow rate [l/min]	800
Housing material	PA66 GF60
Inlet pressure max. [bar]	12
Material	PA66 GF60
Medium	Compressed air, neutral gases
Pneumatic connection	G1/4
Seal material	NBR
Series	FUTURA-mini
Size BG	0
Thread	G 1/4
Weight	0.37 kg
Zolltarifnummer	84811005



DESCRIPTION

Service unit 3-part »FUTURA-mini«, PC container, Compact pressure gauge, Size 0, G 1/4, Control range 0.5 - 8 bar, Semi-auto. Three-piece service units with excellent flow rates in modern design. Diaphragm pressure regulator with secondary ventilation.

TECHNICAL DATA

Thread	G 1/4
Size	0
Min. input pressure	1.5 bar
Max. input pressure	12 bar
Min. temperature range	-10 °C
Max. temperature range	50 °C
Housing	PA66 GF60
Connecting thread	plastic
Sealant	NBR

Diaphragms	NBR
Filter element	cellpor (PE)
Filter rating	5 µm
Sight dome	PC
Flow rate	800 l/min
Condensate drain	semi-automatic
Min. control range	0.5 bar
Max. control range	8 bar
Pressure gauge display min.	0 bar
Pressure gauge display max.	12 bar
Bowl	polycarbonate container
A	129.0 mm
B	168.0 mm
C	63.0 mm
Series	FUTURA-mini
Medium	compressed air, neutral gases
Flow rate measurement	at P1 = 10 bar, P2 = 6.3 bar and pressure drop $\Delta p = 1$ bar

STANDARDS AND ORIGIN

- Customs tariff number: 84811005
- Country of origin: DE

ABOUT SERVICE SYSTEMS MULTI-PART

Multi-part air preparation units combine filter, regulator and lubricator in one assembly and condition the compressed air right before the machine. The range filters from 5 to 40 µm, regulates to end pressures between 1 and 16 bar and handles flow rates from 300 to 13500 l/min.

WHAT MATTERS WHEN CHOOSING

- Flow rate from 300 to 13500 l/min: size it to the machine's real air demand, otherwise pressure collapses on load peaks.
- Filter rating between 5 and 40 µm: coarser elements last longer, finer ones give valves and cylinders better protection.
- Control range: lower limits fall between 0 and 2.5 bar, upper limits between 1 and 16 bar. Keep the working pressure away from the edge of the range you choose.
- Condensate drain, manual, semi-automatic (RMSA) or fully automatic (RA, also the version closed when depressurised): automatic drains pay off where access is poor or condensate loads are high.
- Port size from G 1/8 to G 1 1/2 and body size BG: both have to suit line size and flow. Maximum inlet pressure runs between 10 and 25 bar depending on version.

TYPICAL APPLICATIONS

- Central conditioning at the air inlet of a machine or cell
- Supply for air tools at assembly workstations
- Lubrication of impact tools and air motors through the lubricator stage
- Preparing control air for valve manifolds and pneumatic controls
- Separate pressure levels for individual sections of a production line

The intended media are compressed air and neutral gases, seals are NBR. Bodies range from technopolymer and PA66 GF60 through zinc die-cast to aluminium die-cast, and the 801 items are spread across the FUTURA, SYNTESI, multifix, variobloc, GA, ONE and Standard series including their mini versions.