

ALUMINIUM FILTER

LPG / CNG

INSTALLATION PROVISIONS & WARNINGS



Rev.2



BIGAS INTERNATIONAL AUTOGAS SYSTEMS S.r.l.

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1. DATA SHEET - FILTER

Manufacturer	ZWM CZAJA	
Type of gas	LPG / CNG	
Model	Bigas Filter	<p>GENERAL INFORMATION</p> <p>Bigas Aluminium filter</p> <p>The filter with paper cartridge dedicatee for LPG and CNG has a metal shell, equipped with a laminated paper cartrige (see. Pic 1).</p> <p>External shell material: Alumi-num</p>
Housing Material	Aluminum	
Input / Output Gas Connection	Ø12 / Ø12 mm	
Max flow rate	25 l/s	
Filtration material	Paper 843 VH 134	
Filtration surface / Captured particles	0.039m ² / from 2 µm in 99%	
Overall dimension	Ø50 / H100 mm Ø19.7 / H39.4 inch	
Classification	Class 2	
Approval	E20-67R-010703 E20-110R-000025	

Pic. 1 - Aluminium filter with internal paper cartridge

2. PROVISIONS & WARNINGS

2.1 Filter installing positions

-  Before the installation take care that the component is intact and no external damages are present.
-  Install the filter between the pressure reducer and the injector rail. Do not install the filter before the gas pressure reducer.
-  Install the filter according to the flow direction shown on the body.
-  Avoid any damages while installing the filter unit.
-  Connect the filter unit to the correspondent rubber hose with the same inlet/outlet diameter of the filter. We recommend to not tighten it too much.
-  Do not use the filter with pressure over 10,5 bar (152.3 PSI) for LPG.
-  Do not use the filter with pressure over 9,0 bar (130.5 PSI) for CNG.
-  Check the installation tightness after installing the filter.
-  Use the filter only for the purpose for which it is intended.

2.2 Maintenance plan

- Bigas recommend to replace the gas filter every 15.000 or after 12 months of use.
- Bigas highlights the importance of doing a check-in and a service on the above mentioned party in order to prevent possible malfunctions not connected to the product quality.



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