



The Clear Choice
Water Filtration Systems

AICRO-L4 series

**In-line filter cartridge
with coconut shell activated carbon
and KDF® media**



Made in EU

General Description:

AQUAFILTER AICRO-L4 are state-of-the-art multimedia 2,5" in-line cartridges. These cartridges are designed in a way to ensure a long contact time, allowing maximum adsorption and treatment. Utilizing a highly efficient longitudinal flow for greater carbon contact time, **AICRO-L4** is ideal for chlorine and other organic compounds reduction. Sealed in-line cartridges are filled with water-washed coconut shell activated carbon, **KDF-55®** and non-woven polypropylene layers. Each layer plays an important role in potable water purification. Coconut shell activated carbon used in filter cartridges removes chlorine from water, solvents and aromatic hydrocarbons (improves the taste and odor) and compounds, phenol, benzene, and organic substances. KDF® utilizing redox reactions kills or inhibits bacteria growth, converts chlorine to chlorides and removes iron, hydrogen sulfide and heavy metals (lead, arsenic, etc.). KDF® can also help reduce scale formation. Used in combination with Activated Carbon, KDF® can significantly extend the life of filter cartridges. Non-woven polypropylene removes sediment impurities from water, such as: sand, silt, rust, suspension solids. Additionally, it creates a barrier that prevents filtration media from being washed out.

Each cartridge is pressure tested.

Features:

- High quality
- Competitive pricing
- NSF approved Coconut Shell Carbon
- Component FDA CFR Title 21 Compliant
- Contains activated carbon and **KDF®** media
- Removes a wide range of contaminants including heavy metals (arsenic cadmium, lead, mercury)
- Removes iron compounds and hydrogen sulphide
- Removes pesticides
- Removes up to 99% of free chlorine from water
- Removes organic substances
- Equipped with end filter, preventing particulates of filtration media from being washed out
- Made in the EU with High Quality materials

Available range of products includes:

AICRO-L4 - 2,5" x 12" in-line cartridge - 2 x 1/4" NPT
AICRO-4-QM - 2,5" x 12" in-line cartridge - 2 x 1/4" QM

Application:

- under sink
- icemakers
- water coolers
- refrigerators
- coffee makers
- and other application



AICRO-4-QM



AICRO-L4





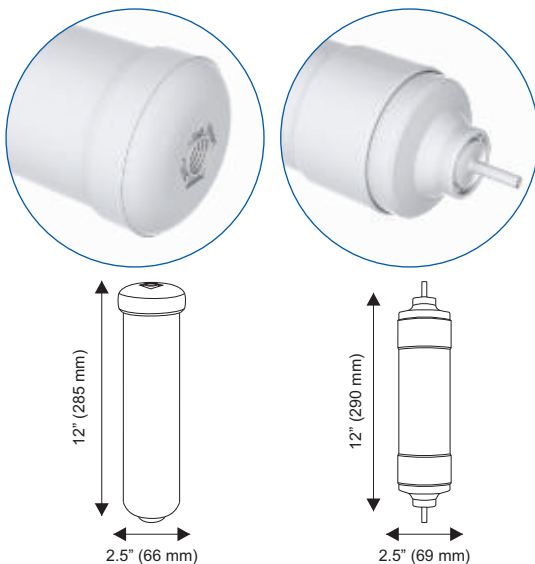
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CAT #	SIZE	Media Amount (GAC)	Connections	@ Flow		Filter life*		
				lpm	gpm	L	gal	months
AICRO-L4	12" x 2.5" (285 mm x 66 mm)	200 g	1/4" NPT	2.9	0.76	14.250	3.769	3 - 6
AICRO-4-QM	12" x 2.5" (290 mm x 69 mm)	172 g	1/4" QM	2.9	0.76	8.075	2.136	3 - 6

Free chlorine content was set as 2 ppm (mg/L). Maximum allowed free chlorine content according to regulations is 0,5 ppm (mg/L).
* filter cartridge lifetime depends on contamination level of potable water.
** concerning cartridges installed after osmotic membrane.

Specifications:

Media: Coconut Shell GAC and KDF-55® both NSF approved
Filter Life: 3 - 6 months
Operating Pressure: 90 psi (6 bar)
Minimum Temperature: 2°C (35°F)
Maximum Temperature: 45°C (113°F)
Contaminant Removal: Chlorine, VOC's, heavy metals, ferrous iron, hydrogen sulphide, scale
Body: PP
Post-filter: PP

KDF® PERFORMANCE

	Concentration of heavy metals		
	influent	effluent	purification
Lead	0.19 mg/l	0.006 mg/l	96.8%
Arsenic	0.37 mg/l	0.007 mg/l	98.1%
Cadmium	0.03 mg/l	0.004 mg/l	86.7%
Mercury	0.06 mg/l	0* mg/l	99.9%

Another test was run to determine chlorine removal efficiency. The influent contained 3 mg/l chlorine and 2 mg/l lead. Laboratory studies revealed that removal efficiency exceeded 99,5%.

IMPORTANT NOTICE: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Cartridges are designed for filtration with cold potable water. We recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly. Improper installation and maintenance may result in property damage due to water leakage.
Limited Warranty: AQUAFILTER warrants that this product is free from defects in materials and workmanship. This limited warranty does not apply to failures that result from abuse, misuse, alteration or failure to properly comply with installation or cartridge change instructions.

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