

## K-SERIES WATER FILTERS

Limescale protection with mineral stabilization and increased reduction of chlorine and contaminants, particularly suitable for contaminated water



# PRODUCT DATA SHEET

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## Applications

Because our K-series filters combine a wide variety of technologies, they can be used in a broad range of applications, including the purification of drinking water at home, in water dispensers, and in various types of hot beverage vending machines.

## Benefits

- Five different technologies combined in one filter
- No need for multiple filters
- Easy replacement without turning off the water supply (auto shut-off function)
- Bypass function with seven settings that uses our patented DuoBlend® technology
- Integrated protection against microbial contamination

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### Particle filters

Specially selected filter fleeces hold back dirt and particles, thus providing lasting filter protection even when water quality is poor.

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### Ion exchangers

Ion exchangers reduce water hardness and thus prevent limescale deposits. Depending on the type of filter used, partial demineralization (decarbonization) can also be achieved. In addition, ion exchangers reduce toxic heavy metals such as lead.

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### Activated carbon

Thanks to their enormous surface area, our activated carbon components are able to remove undesired substances such as chlorine and organic contaminants and they eliminate unpleasant odors. We select and combine different types of activated carbon to meet each application's specific requirements.

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### Fine and microplastic filters

Active carbon block and microfiltration modules efficiently remove even the smallest particles and impurities. At the same time, they form a second line of defense for holding back organic contaminants.



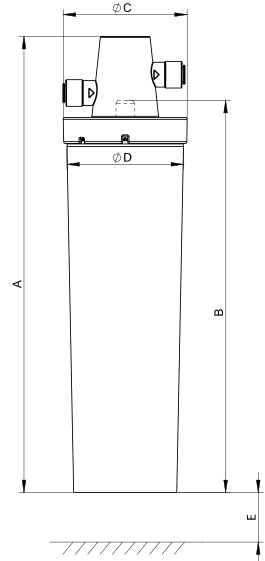
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### Mineral stabilization

Valuable minerals such as calcium and magnesium are partially retained. Calcium, which forms limescale, is converted into a soluble form by our patented mineral stabilization technology in order to prevent limescale deposits.

# CLAROSWISS® K-series water filters

Dimensions	Unit	170	250	500	1000	1500	2000
Internal filter volume	<b>l</b>	-	1.2	1.7	3.2	-	-
Filter height incl. filter head (A)	<b>mm</b>	-	365	475	410	-	-
Filter height (B)	<b>mm</b>	-	315	425	360	-	-
Max. filter head diameter (C)	<b>mm</b>	-	100	100	100	-	-
Max. filter diameter (D)	<b>mm</b>	-	95	95	136	-	-
Space for filter replacement (E)	<b>mm</b>	-	40	40	40	-	-
Weight	<b>kg</b>	-	1.3	1.8	3.2	-	-



Operating information	Unit	170	250	500	1000	1500	2000
Operating pressure (without pressure surges)						2-8 bar (29-116 psi)	
Water temperature						4-30°C (39-86 °F)	
Normal flow range*	<b>l/h</b>	-	15-120	15-120	15-240	-	-
Flow rate at a 0.5 bar drop in pressure	<b>l/h</b>	-	>150	>150	>150	-	-
Installation position						vertical, horizontal	
Bypass system						7 settings (0-60%)	

\*For short-term consumption, a higher flow rate is possible

Capacity (in l)	°dH*	°Clarke (GB)*	PPM*	°FH*	Bypass level	170	250	500	1000	1500	2000
Residential/Office	10	13	179	18	6	-	1260	2380	5040	-	-

\*Carbonate hardness

## Applications



Hot beverages



Ice/Cold beverages



Vending



Residential/Office



A brand of  
ACLARIS Water Innovations GmbH, Lindau, Germany

# ACLARIS.

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## Still waters run deep.

### Make sure they also run pure.

We are a Swiss company with over 25 years of expertise in developing and producing customized water purification solutions for a wide range of applications and needs. Our service portfolio spans the development, design, and manufacturing of our products as well as their certification. Many of our technologies are patented and thus uniquely able to provide added value for our clients. The secret to our success lies in our passion for water – a passion that drives us to pursue the highest standards of quality day in and day out.