

FILTER CARTRIDGE FOR

Magnesium Mineralized Water

PROTECT CARE



FOR THE PERFECT TASTE, RELIABLE LIMESCALE PROTECTION AND MAXIMUM HYGIENE AND SAFETY

The BWT filter cartridge AQA drink Magnesium Mineralized Water Protect Care is at the heart of the unique and patented BWT Magnesium Technology. Your drinking water is refined through five filtration levels into Magnesium Mineralized Water. Our methods involve reducing substances such as chlorine, which can affect the smell and taste, and heavy metals, such as copper, lead and nickel. The filter reliably removes the elements that cause limescale to protect your appliances. The integrated ultrafiltration membrane retains 99.9999% of the bacteria and reduces microplastics up to 0.001 mm for hygienic safety. The patented BWT Magnesium Technology enriches the filtered water with the valuable mineral magnesium to achieve the best allround sensory experience in both hot and cold drinks. The filter can be connected directly to the cold water supply system with an AQA drink three way tap or with an AQA drink water dispenser.

Multiple water filtration

turns your tap water into Magnesium Mineralized Water.

- 1. Primary filtration** filters particles, e. g. sand or rust.
- 2. Activated-carbon preliminary filter** for protecting the ion exchanger.
- 3. Powerful ion exchanger** with efficient limescale protection. Provides the essential mineral magnesium. Reducing the amount of heavy metals such as copper, lead and nickel.
- 4. Activated-carbon filtration** reduces substances impairing taste and smell, such as chlorine.
- 5. Ultrafiltration technology** retains bacteria and removes even the tiniest particles, such as microplastics.



PERFECT TASTE



LIMESCALE PROTECTION



HYGIENICALLY SAFE



NO MORE PLASTIC BOTTLES

OVERVIEW DATA

GENERAL INFORMATION		MPC400			MPC500		
ARTICLE NUMBER		812595			812596		
FILTER CAPACITIES ¹ (in liter)		LIMESCALE PROTECTION & MAGNESIUM ADDITIVES ²			MAGNESIUM ADDITIVES ³		
		BYPASS SETTING	MPC400	MPC500	BYPASS SETTING	MPC400	MPC500
SOFT	<8 °dH ¹	3	2,640	3,700	0	2,400	3,500
MEDIUM	8–14 °dH ¹	3	1,370	1,950	1	1,480	2,140
HARD	15–21 °dH ¹	3	820	1,150	2	1,150	1,680
VERY HARD	22–28 °dH ¹	2	460	640	3	1,000	1,450
VERY, VERY HARD	>28 °dH ¹	2	360	510	3	800	1,160
EQUIPMENT		CONNECTION			ARTICLE NUMBER		
AQA DRINK FILTER HEAD ⁴		Ø 3/8" x 3/8" (male thread)			812580		
AQA DRINK FILTER HEAD PA ⁴		Ø 8 mm x 8 mm (John Guest)			812590		

TECHNICAL DATA

OPERATING CONDITIONS		MPC400		MPC500	
WORKING PRESSURE RANGE	bar	2–8		2–8	
INTAKE WATER PRESSURE	bar	>1.2		>1.2	
WATER TEMPERATURE (min. – max.)	°C	+4 to +30		+4 to +30	
AMBIENT TEMPERATURE (min. – max.)	°C	+4 to +40		+4 to +40	
AMBIENT TEMPERATURE DURING STORAGE/TRANSPORTATION (min. – max.)	°C	–20 to +40		–20 to +40	
NOMINAL FLOW	l/h	180		180	
OPERATING POSITION		horizontal/vertical			
DIMENSIONS & WEIGHTS		MPC400		MPC500	
TOTAL HEIGHT WITHOUT WALL MOUNTING BRACKET	mm	475		502	
TOTAL HEIGHT WITH WALL MOUNTING BRACKET	mm	500		527	
HEIGHT TO CENTER OF CONNECTION	mm	421		448	
Ø FILTER CARTRIDGE	mm	130		147	
APPR. FILTER CARTRIDGE WEIGHT (dry wet)	kg	2.4 4.2		4.0 6.0	

¹ The indicated filter capacity is valid for standardised lab conditions. In operation the capacity can vary due to different parameters. Replace the filter cartridge when capacity is exhausted, the flow rate noticeably decreases and at least every 6 months.
°dH German Hardness

² With regard to limescale protection and magnesium additives in hot and cold applications.

³ With regard to magnesium additives in cold applications, no limescale protection.

⁴ With backflow preventer and Aquastop for a simple filter change without water discharge.



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