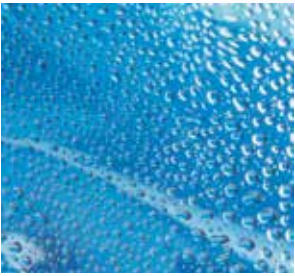




Better Water
Better Coffee
Better Business





Consumption of specialty coffee and coffee based beverages is increasing yearly. Approximately 98% of coffee is water.

The physical and chemical properties of the water impact greatly upon the flavour sensations of the coffee you serve.

Challenges

Ensuring consistent premium tasting coffee

Poor water quality can affect the taste and appearance. Chlorine and Chloramines, commonly used disinfectants in municipal water supplies can adversely affect the taste of your coffee. This 'off-taste' can result in diminished repeat business and lowered coffee profits for your store.

Enhancing the performance of your equipment

The water supply to your premises can vary greatly and contains contaminants such as sediment, rust and scale causing minerals. Unless the water is treated correctly the machine can be damaged relatively quickly during the course of normal operation resulting in higher maintenance costs and reduced operating efficiency of your machine.

Maintaining high operational efficiency in hard water conditions










Hard Water conditions can cause build up within the steamer, feed water pipes and boilers and high Total Dissolved Solids (TDS) can cause scale formation and make water unusable for coffee. This will increase the probability of equipment downtime and unnecessary maintenance calls.



Solutions

3M Purification offer dedicated system design and technology to maintain clarity, consistency and full flavoured coffee along with efficient espresso machine operations.

Water Filter Cartridges

Model	Chlorine Taste & Odour	Cyst	Scale	Capacity	Service Flow Rate	Incoming Feedwater Hardness Level	Kilos of Coffee per week	Cartridge change out	Part Number
	●		●	13,249 litres	0 - 3.8 lpm	< 100 ppm	10 - 20 kgs	Every 12 months	70020044320
							20 - 40 kgs	Every 7 months	
							40 - 60 kgs	Every 5 months	
	●		●	18,100 litres	0 - 5.7 lpm	< 100 ppm	20 - 40 kgs	Every 10 months	70020201995
							40 - 60 kgs	Every 7 months	
							60 - 80 kgs	Every 5 months	
	●		●	94,635 litres	0 - 7.9 lpm	< 100 ppm	120 - 150 kgs	Every 12 months	70020121425
							150 - 200 kgs	Every 10 months	
							200 - 300 kgs	Every 7 months	
	●		●	132,489 litres	0-12.6 lpm	< 100 ppm	150 - 200 kgs	Every 12 months	70020020130
							200 - 300 kgs	Every 10 months	
							300 - 400 kgs	Every 7 months	
			●	2,722 litres @ 150ppm	0 - 3.8 lpm	< 120 ppm	10 - 20 kgs	Every 4 months	UU001540903
						120-150 ppm	20 - 40 kgs	Every 2 months	
						150-180 ppm	10 - 20 kgs	Every 3 months	
							20 - 40 kgs	Every 1.5 months	
			●	4,542 litres @ 150ppm	0 - 3.8 lpm	< 120 ppm	10 - 20 kgs	Every 6 months	UU001540341
						120-150 ppm	20 - 40 kgs	Every 3 months	
							10 - 20 kgs	Every 5 months	
						150-180 ppm	20 - 40 kgs	Every 2.5 months	
	●	●	●	750 lpd max	0 - 5 lpm Depending on tank size	120-300ppm	10 - 20 kgs	Sediment & Carbon Filter every 12 months RO Membrane every 24 months	AK200067283
							20 - 40 kgs	Sediment & Carbon Filter every 6 months RO Membrane every 24 months	
							40 - 60 kgs	Sediment & Carbon Filter every 3 months RO Membrane every 12 months	
	●	●	●	1100 lpd max	0 - 10 lpm Depending on blend ratio & tank size	120-300ppm	40 - 60 kgs	HF37 & HF20 Filter every 12 months SGLP2-M Filter every 24 months	70020228642
							60 - 120 kgs	HF37 & HF20 Filter every 6 months SGLP2-M Filter every 24 months	
							120 - 150 kgs	HF37 & HF20 Filter every 3 months SGLP2-M Filter every 12 months	
	●	●	●	1136 lpd max	0 - 10 lpm Depending on blend ratio & tank size	120-300ppm	40 - 60 kgs	HF95 & HF90 Filter every 12 months RO membranes every 24 months	70020217751
							60 - 120 kgs		
							120 - 250 kgs		

NOTE: Assumption for entire table: 1 kilo coffee yields 100 cups of coffee. Cup size based on 100 ml dispense. For number of cups divide capacity in litres by 0.10.

For SGP Cartridges: Capacities are guidelines only. Actual capacity may vary. All capacities based on 25% bypass. For non-bypass, capacity should be reduced by 25%.

Valved Head & Manifolds



Model	VH3 Valved Head	Dual Port Single Manifold	Dual Port Twin Manifold
Description	<ul style="list-style-type: none"> Valved head automatically shuts off water supply with a ¼ turn for easy cartridge change-out. Includes integral mounting bracket for easy installation. 3/8" brass BSP male fittings to allow for universal use. 	<ul style="list-style-type: none"> One system with dual outlet connections simultaneously supplies cold beverage dispensers and ice machines/coffee Sanitary Quick Change (SQC) encapsulated cartridge design allows for fast and easy cartridge change-outs with a 1/4 turn. 3/4" NPT horizontal inlet and outlet ports allow direct or easily adaptable connections to existing plumbing lines. 	<ul style="list-style-type: none"> 3/4" NPT horizontal inlet and outlet ports allow direct or easily adaptable connections to existing plumbing lines. Auxiliary inlet gauge port allows optional monitoring of differential water pressure.
Part Number	AK200122138	70020228139	70020229434

3M Purification Advantage

Our customers depend on our water filtration solutions to help deliver quality tasting water — and which are long lasting and easy to use. Our goal is to understand both customer objectives and process requirements and to recommend solutions to meet customer needs.



For your business

- Providing consistent and good quality coffee
- Satisfied customer and increase profit margin.
- Reduce equipment downtime and maintenance cost.



For your customer

- Great tasting coffee
- Rich aroma and smooth crema finish
- Peace of mind



For your coffee machine

- Protection from scale and corrosion
- Low maintenance required
- Reduce service calls

The information described in this literature is accurate to the best of our knowledge. A variety of factors, however, can affect the performance of the Product(s) in a particular application, some of which are uniquely within your knowledge and control. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING THE SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR USE. IN NO EVENT WILL 3M PURIFICATION BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. It is your responsibility to determine if additional testing or information is required and if this product is fit for a particular purpose and suitable in your specific application.

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