



## Cold Beverages & Postmix

### BEV HF Range

From convenience stores and restaurants to quick serve operations, the beverage machine is often the most profitable part of the business. (Post mix is approximately 83% water.)

Designed to provide consistent quality carbonated and non-carbonated beverages and reduce unscheduled service calls in post-mix systems.

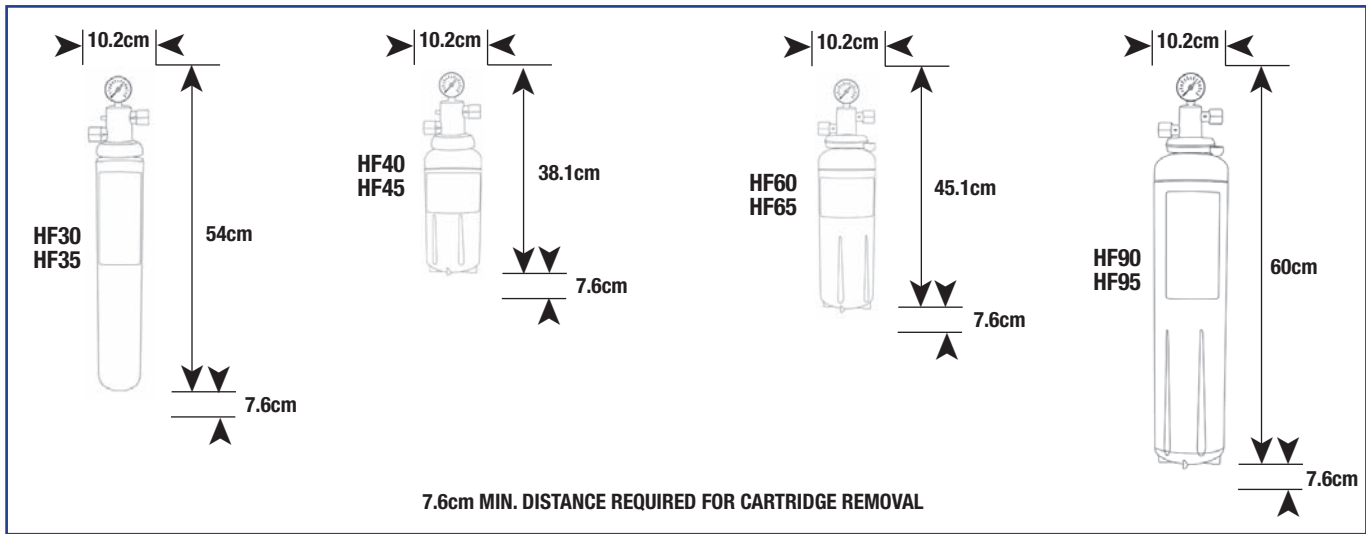
#### Features

- IMPACT media package in large cartridges
- SQC™ (Sanitary Quick Change) cartridge
- Encapsulated cartridge design with 'O' rings
- BSPT horizontal inlet and outlet ports
- 0.2 micron media
- 1.0 and 3.0 micron media
- Patented valve-in-head design vents water
- Optional pressure gauge
- Certified to NSF standard 53 for cyst reduction

#### Benefits

- Higher flow rates, no need for manifold systems or for separate pre-filter and housing
- Allows fast and easy change-outs with a 1/4 turn while minimising the possibility of leakage and contamination
- No chance of water leakage due to 'O' ring compression, service engineers can't touch filter media and hence contaminate water line
- Allows direct or easily adaptable connections to existing plumbing lines
- Reduces microbial content in water and protects customers from cyst and 99.9% of common pathogens
- Combined sediment reduction with chlorine, taste and odour reduction for high dirt loading applications
- No separate shut off valve required, easy to change using un-skilled staff
- Easy to monitor filter blockage for identification of time to change filter
- Independent qualification of performance and guarantee of product safety

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## Cold beverages/post mix range and technical specifications

Model/ System	Capacity (litres)	Micron Rating	Flow (lpm)	Water Application*	Reduction Claims				Components				Sizing	Impact NY/P**	
					Chlorine taste & odour	Sediment	Cyst	Bacteria	Head			Cartridge			
									Model	Connections	Part No	Model	Part No		
BEV 130	52,996	0.5	6.3	SWC	•	•	•		VH3G-BSPT	3/8"	70020121839	HF30	70020020577	Single Carbonator Dispenser	
BEV 135	47,696	1.0	6.3	HTW	•	•			VH3G-BSPT	3/8"	70020121839	HF35	70020043090	Single Carbonator Dispenser	
BEV 140	94,635	0.2	7.9	SWC	•	•	•	•	VH3G-BSPT	3/8"	70020121839	HF40	70020020114	Single High Flow Carbonator Dispenser	NY
BEV 145	94,635	3.0	7.9	HTW	•	•			VH3G-BSPT	3/8"	70020121839	HF45	70020115468	Single High Flow Carbonator Dispenser	P
BEV 160	132,489	0.2	12.6	SWC	•	•	•	•	NH3G-BSPT	1/2"	70020122035	HF60	70020020122	Dual Carbonator Dispenser	NY
BEV 165	132,489	3.0	12.6	HTW	•	•			NH3G-BSPT	1/2"	70020122035	HF65	70020115476	Dual Carbonator Dispenser	P
BEV 190	204,412	0.2	18.9	SWC	•	•	•	•	NH3G-BSPT	1/2"	70020122035	HF90	70020020155	Serves carbonator & cold beverage dispensers up to 18.9lpm demand flow rate	NY
BEV 195	204,412	3.0	18.9	HTW	•	•			NH3G-BSPT	1/2"	70020122035	HF95	70020020171	Serves carbonator & cold beverage dispensers up to 18.9lpm demand flow rate	P

\*SWC = Standard water conditions; HTW = High turbidity water \*\* NY = Nylon membrane; P = Polypropylene pleated media

## Impact Technology

Integrated Membrane Pre-Activated Carbon Technology media combines a high surface area pleated media and a pre-activated carbon block in a single cartridge to dramatically reduce pressure drop, provide higher throughputs and longer cartridge life, while eliminating the need for pre-filtration.

This unique technology combines a pleated media prior to a high performance carbon block. In cyst rated units this allows sediment, cyst and bacteria reduction with chlorine taste and odour reduction in a single cartridge.

For the 0.2 micron rated products, water first flows through a patented multi-zone, pleated nylon membrane which provides exceptionally high surface area. The first zone – with larger openings – retains the large particles like sediment, rust and cysts. The finer second zone traps the smallest contaminants like bacteria and gives a final polish. Water then flows through a pre-activated carbon block to reduce chlorine taste and odour and other organics. The patented rigid block ensures that no carbon fines are released into the water.

For commercial use with cold water only. For all systems, heads and cartridges are sold separately. Head comes with integral mounting bracket.

Maximum operating pressure is 125psi. Inlet and outlet connections are female. NSF performance data sheet included. Filter cartridges require no pre-activation and incorporate a carbon block media. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Maximum operating temperature is 38°C.

Bacterial reduction by membrane filtration of 99.9% of common pathogens as tested with E.coli and Pseudomonas Fluorescens. NSF and CFR-21 certified for use for materials in contact with drinking water. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

EPA Establishment Number 070595-CT-001. 3M recommends scheduled maintenance and replacement of the filter cartridge(s). Change the filter cartridge at least every 6 months. 3M cannot be liable for system failure due to improper maintenance.



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