



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.

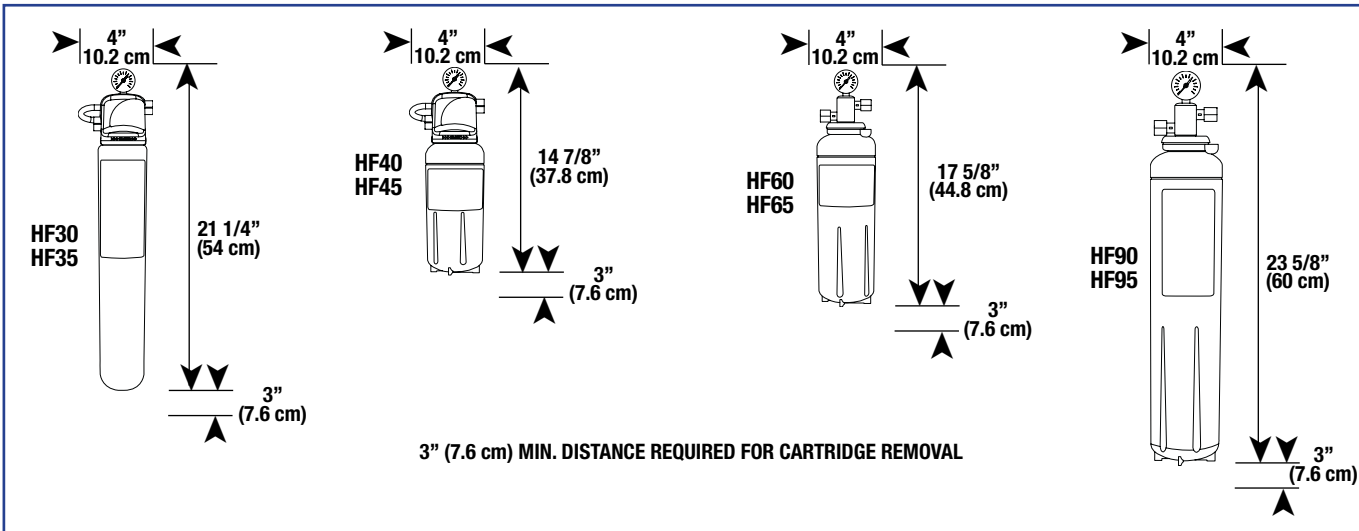
Features

- IMPACT media package in large cartridges
- SQC™ (Sanitary Quick Change) cartridge
- Encapsulated cartridge design with 'O' rings
- FNPT 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 minimizing 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 (VH3-NPT), 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

Cold Beverages & Postmix



Cold beverages/post mix range and technical specifications

Model/System	Capacity gal (litres)	Micron Rating	Flow gpm (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		
BEV130(5616101)	14,000 (52,996)	0.5	1.67 (6.3)	SWC	•	•	•		VH3-NPT	3/8"	6213001	HF30	5615105	Single Carbonator Dispenser	
BEV135(5616102)	12,600 (47,696)	1.0	1.67 (6.3)	HTW	•	•			VH3-NPT	3/8"	6213001	HF35	5615205	Single Carbonator Dispenser	
BEV140(5616201)	25,000 (94,635)	0.2	2.1 (7.9)	SWC	•	•	•		VH3-NPT	3/8"	6213001	HF40	5613303	Single High Flow Carbonator Dispenser	NY
BEV145(5616202)	25,000 (94,635)	3.0	2.1 (7.9)	HTW	•	•			VH3-NPT	3/8"	6213001	HF45	5613307	Single High Flow Carbonator Dispenser	P
BEV160(5616301)	35,000 (132,489)	0.2	3.34 (12.6)	SWC	•	•	•		NH3-1/2NPT	1/2"	6214413	HF60	5613403	Dual Carbonator Dispenser	NY
BEV165(5616302)	35,000 (132,489)	3.0	3.34 (12.6)	HTW	•	•			NH3-1/2NPT	1/2"	6214413	HF65	5613407	Dual Carbonator Dispenser	P
BEV190(5616401)	54,000 (204,412)	0.2	5 (18.9)	SWC	•	•	•		NH3-1/2NPT	1/2"	6214413	HF90	5613503	Serves carbonator & cold beverage dispensers up to 5 gpm (18.9 lpm) demand flow rate	NY
BEV195(5616402)	54,000 (204,412)	3.0	5 (18.9)	HTW	•	•			NH3-1/2NPT	1/2"	6214413	HF95	5613507	Serves carbonator & cold beverage dispensers up to 5 gpm (18.9 lpm) 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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