

Approximately 70% of ice machine equipment failures are water related. Ice is composed of 100% water.



Designed to reduce unscheduled service calls associated with corrosion, sediment and scale build up in commercial cubers and flakers.

## features

- IMPACTechnology in large cartridges.
- Built in scale inhibition.
- SQC™ (Sanitary Quick Change) cartridge.
- BSPT horizontal inlet and outlet ports.
- 0.2 micron media.
- 1.0 and 3.0 micron media.
- Valve-in-head.
- Optional pressure gauge.
- Certified to NSF standard 53 for cyst reduction.
- Exhausted cartridges may be incinerated.

## benefits

- Higher flow rates, no need for manifold systems or for separate pre-filter and housing.
- Reduces the ability of calcium and magnesium to precipitate on the evaporator plates as hard scale.
- Allows fast and easy change-outs with a 1/4 turn while minimising the possibility of leakage and contamination.
- 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.
- For environmentally conscious disposal.



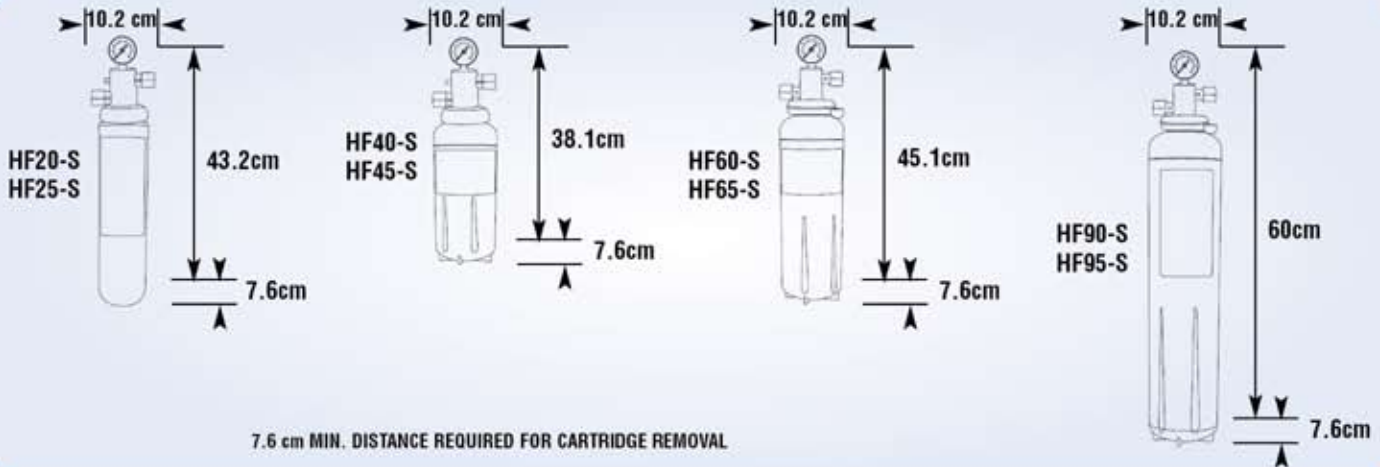
## impact technology

IMPACTechnology (Integrated Membrane Pre-Activated Carbon) 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 sediment, cyst and bacteria reduction with chlorine taste and odour reduction in a single cartridge. Cartridges with scale prevention technology and chloramine reduction are also available.

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 and rust. The finer second zone traps the smallest contaminants like cyst and 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.

## ice application range



## ice range and technical specifications

Model / system	Capacity (litres)	Micron Rating	Flow (lpm)	Water Application*	Reduction Claims					Component				Sizing (µg)		IMPACT NY/P**
					Chlorine taste & odor	Sediment	Cyst	Bacteria	Scale	Head		Cartridge		Low flow others	High flow others	
										Model	Connections	Part No.	Model			
ICE 120-S	34,069	0.5	5.7	SWC	•	•	•	•	•	VH3G-BSPT	3/8"	1157854	HF20-S	1157874	340 91 544	
ICE 125-S	37,854	1.0	5.7	HTW	•	•				VH3G-BSPT	3/8"	1157854	HF25-S	1157875	340 91 544	
ICE 140-S	94,635	0.2	7.9	SWC	•	•	•	•	•	VH3G-BSPT	3/8"	1157854	HF40-S	1157882	454 272 816	NY
ICE 145-S	94,635	3.0	7.9	HTW	•	•				VH3G-BSPT	3/8"	1157854	HF45-S	1157884	454 272 816	P
ICE 160-S	132,489	0.2	12.6	SWC	•	•	•	•	•	NH3G-BSPT	1/2"	1157856	HF60-S	1157886	650 454 1,089	NY
ICE 165-S	132,489	3.0	12.6	HTW	•	•				NH3G-BSPT	1/2"	1157856	HF65-S	1157888	650 454 1,089	P
ICE 190-S	204,412	0.2	18.9	SWC	•	•	•	•	•	NH3G-BSPT	1/2"	1157856	HF90-S	1157890	650 454 1,089	NY
ICE 195-S	204,412	3.0	18.9	HTW	•	•				NH3G-BSPT	1/2"	1157856	HF95-S	1157892	650 454 1,089	P

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

For commercial use with cold water only.

For all systems, heads and cartridges are sold separately.

Head comes with integral mounting bracket.

All IMPACT filter cartridges incorporate carbon block media protected by a pre-filter membrane and a scale inhibitor.

Maximum operating temperature is 38°C.

Inlet and outlet connections are 3/8" BSPT (VH3) and 1/2" BSPT (NH3) female.

NSF performance data sheet included.

ICE 140-S, 160-S and 190-S are certified NSF standard 53 for cyst reduction.

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.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

EPA Establishment Number 070595-CT-001.

In line with current good practice and EPDWA schedules, filters should be changed every six months.

Regular scheduled maintenance is recommended.

Cuno cannot be liable for system failures due to improper maintenance.