



# Water filtration For Ice Machines

## Improves ice and beverage quality, optimises equipment performance and service life

- Sediment and chlorine reduction improves water & ice quality to enhance beverage appearance and taste.
- Reduces hardness scale to protect and extend equipment life.
- Sanitary quick change design – easy to use and hygienic to change out filter cartridges.
- Range of sizes and capacities to suit applications.
- Manufactured in USA. International independent performance certification.

Water related issues are the most common cause of ice machine problems. Coast Distributors provide a range of quick change water filter systems to enhance ice quality and extend the performance and life of ice machines. The filter systems feature a quick change sanitary design which is not only easy to install and use, but also protects against water contamination by eliminating handling of the filter media. The filter systems are available in a range of configurations to suit all applications. *Please contact your Coast office for further information.*

### Systems

Standard



CD 10  
CD 100ctg

High Capacity



CD 20  
CD 200ctg

Extra High Capacity  
- parallel flow twin



CD 30  
2 x CD 200ctg

High Sediment  
- in series flow twin



CD 40  
1 x CD 111 ctg  
1 x CD 100 ctg

### Replacement Cartridges



CD 100  
CD 111 -sediment



CD 200

Model	Description	In/Out Fittings	Use	Suits Ice Machine models	Operating Conditions
<b>Filter Systems</b>					
CD10	Standard system; CD100 cartridge, Head, Valve	3/8" Quick Connect	Standard	ICE 305-805, all ICEU models all Follet Ice dispensers, Grant G70S	Connections In/Out: Dependent on system Water Pressure range: 100 kPa – 500 kPa Temperature range: 2°C - 40°C Flow rate: < 8 lpm
CD20	High capacity system; CD200 cartridge, Head, Valve	3/8" Quick Connect	High capacity	ICE 1005-2105, all Flake Ice machines, HCE 1000-1400, Grant FF0.6, FF1, FF1E models	<b>Dimensions</b> CD10 system – 390mm h x 100mm w CD20 system – 520mm h x 100mm w CD100 cartridge – 320mm h x 100mm w CD200 cartridge – 450mm h x 100mm w
CD30	Twin system - parallel flow; 2 x CD200 cartridge, Valve	3/8" Quick Connect	Extra high capacity	Grant FF1.5 - FF15, Grant FF1.2E - FF3E	
CD40	Twin system - in series flow; CD111 ctg, CD100 ctg, Valve	3/8" Quick Connect	High sediment capacity	high sediment duty	

### Replacement Filter Cartridges

CD100	Standard cartridge; Sediment, Chlorine, Scale 305mm
CD111	Standard cartridge; Sediment 305mm - Prefilter for CD40
CD200	High capacity cartridge; Sediment, Chlorine, Scale 450mm

Note: A pressure limiting valve (PLV) is required to be fitted prior to the filter/ice machine if water pressure is > 500 kPa. Coast Distributors can supply an easy to use quick connect PLV for this purpose.



### Notes

Filter cartridge life: Dependent on water quality. 6 months recommended use period, 12 months maximum.  
Protect filter system from freezing or direct sunlight. Fit pressure limiting valve if water pressure is >500 kPa. Not for use in water that is microbiologically unsafe or of unknown quality without adequate disinfection.

# Installation and filter change instructions

## Installation

Please read instructions carefully prior to installation

- 1 The filter system is installed between the water supply point and the ice machine. The filter should be mounted on a firm vertical surface close to the ice machine and for easy access.
- 2 A plastic ball valve is supplied to be installed on the inlet of the filter head so the water supply can be isolated for filter cartridge changeout. If water pressure is above 500kPa a 350 kPa pressure limiting valve should be installed between the isolating valve and the filter system.
- 3 Suitable food grade 3/8" tube should be used to connect the standard filter system. The standard filter system has 3/8" quick connect fittings on the inlet which is connected to the inlet ball valve. The outlet of the ball valve should be connected to the inlet of the filter head. A quick connect 3/8" fitting is supplied on the outlet of the filter. (Check system details for the exact fittings supplied)
- 4 The mounting bracket is connected to the filter head with the 4 screws provided. The mounting bracket and head should be installed in a suitable location – ensure 100mm is allowed below bottom of the installed filter cartridge to provide room for cartridge change out.
- 5 The filter cartridge is installed into the filter head by aligning the guide arrows, pushing the cartridge upwards into the head, quarter turn right to lock in the cartridge.
- 6 First Flush – A first flush is recommended to clear air from the new system. Turn the inlet water supply valve on slowly whilst holding the outlet hose into the bucket or drain. Air will be flushed through the filter in a few litres. Once the water clears the inlet valve can be turned off and the filter outlet hose can be connected to the inlet of the ice machine. The inlet water supply can be slowly turned on. Check for and fix any leaks.

The filter cartridge should be changed when any of the following occurs –

- 1 The filtered water flow reduces substantially
- 2 Taste/Odour occurs in the filtered water
- 3 The maximum service period expires

## Filter changeout instructions

- 1 Turn off water supply at the ball valve prior to the filter system. Hold and turn the filter cartridge a quarter turn to the left, pull down and remove the cartridge. Be careful as residual water pressure may be present.
- 2 Take the new replacement cartridge. Line up the guide arrows on the cartridge and head and push the cartridge into the filter head and then do a quarter turn to the right which locks in the filter cartridge.
- 3 First Flush – A first flush is recommended to clear air from the new cartridge. Turn the inlet water supply ball valve on slowly whilst holding the outlet hose into the bucket or drain. Air will be flushed through the filter in a few litres. Once the water clears the inlet ball valve can be turned off and the filter outlet hose can be connected to the inlet of the ice machine. The inlet water supply can be slowly turned on. Check for and fix any leaks.

