

# Series AC

## Carbon Filter

Bellaqua activated carbon filters are suitable for commercial applications ranging from 1 to 35 cubic feet of carbon with flow rates up to 129 gpm (488 lpm) for chlorine reduction.



# BELLAQUA

The Cooler Choice



## Operation of the Filter

Water containing chlorine passes through a bed of granular activated carbon. Chlorine reacts with the activated carbon, and it is neutralized. Naturally occurring organic compounds, which can cause taste and odor, are adsorbed on to the surface of the carbon granules. Periodic backwashing rids the bed of accumulated sediment and carbon fines.

## Activated Carbon Media

The activated carbon media is manufactured from select grades of coconut shell charcoal. Its high microporosity and superior mechanical hardness gives the media chemical and physical stability for a long dependable life.

## Backwash Controller

These carbon filters feature an electronic controller that combines simplicity with flexibility in a user-friendly package that is easy to setup and operate. With the microprocessor controlled timer mechanism, the operator is able to program the lengths of backwash and rinse steps. Regeneration frequency is also programmable between 1-28 days. Important operational information is stored in the timer which can be accessed for trouble shooting purposes.

## Control Valve

The brass control valve operates on command from the electronic valve controller. Valve positioning is accomplished by a hydraulically balanced piston which glides effortlessly along non-corrosive spacers and seals to precise locations. This precision motor driven valve performs in the toughest applications, is WQA certified to NSF/ANSI standard 61 and ANNEX "G", and is made of high-quality brass for a long reliable life.

## Carbon Tanks

All models feature non-corrosive fiberglass tanks with a thermoplastic inner liner. All tanks are certified by WQA or NSF to NSF/ANSI standards..

### ⚠ WARNING

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