

# Doulton Sterasyl Element



## 10 Inch Sterasyl Candle/ 9 3/4 Inch Cartridge Water Filter Element

These cleanable filter elements are designed to remove suspended solids and pathogenic bacteria. The ceramic shell composition and manufacture have been delicately balanced to control flow rate, the maximum pore size and element hardness<sup>1</sup>. The ceramic contains a specially formulated self-sterilizing silver compound and, therefore the Sterasyl element does not require sterilization after cleaning. The silver content is precisely controlled to keep well within the maximum levels recommended by the World Health Organization and the E.P.A. The candle, when used in a Doulton HIP/HCP housing, is NSF listed and conforms to the requirements of NSF Standards for aesthetic (number 42) and health (number 53) benefits with respect to cyst, turbidity, particulate reduction and self-sterilizing effects (model HIP/S & HCP/S). The candle is fitted with a threaded plastic cap on one end; the cartridge is open on both ends.

- Maximum working pressure ..... 125 psig
- Maximum working temperature ..... 100° F
- Minimum working temperature ..... 40° F
- Recommended flow rate ..... 1/3 - 1 1/2 gpm
- Recommended cleaning frequency.. .....every 6 months or when flow rate is noticeably lower
- Recommended change frequency .....every 12 months

### Contaminant Removal

The great majority of pathogenic (disease causing) bacteria and cysts are larger than one micron<sup>2</sup>. The pore size of the ceramic filter element is controlled so that it will remove all suspended matter larger than 0.9 microns.

#### Pathogenic bacteria

*Cholera, Typhoid, Salmonella, Serratia, E. Coli, Fecal Coliform* - 99.99% removal

#### Cysts

*Cryptosporidium Parvum, Giardia Lamblia*

100% removal (based on tests by Arizona State University)

#### Sediment

Down to 0.9 micron 100%, 0.5 - 0.8 micron

With a filtration efficiency of > 99.99%

(based on tests by Spectrum Laboratories - MN - USA)

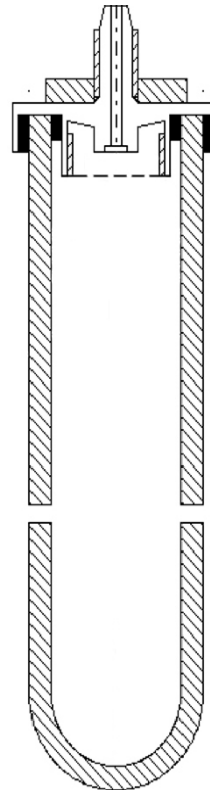
#### Metals

Iron, Aluminum

<sup>1</sup> The candle needs to be soft enough so that when it is cleaned, a small amount of the surface ceramic can be removed, along with accumulated particulate matter.

<sup>2</sup> A micron is 1/1000 of a millimeter. The diameter of the average human hair is about 40 microns.

10 Inch Candle



9 3/4 Inch Cartridge

