

### HYDROSPHERE HDC SERIES 2.5" DIAMETER CARTRIDGES

The Hydrosphere Series 2.5" diameter HDC cartridge's core-less design is an economical solution to pre-filtration for many applications. They are used widely as pre-filtration for RO systems and post-filtration for GAC filters. They are also used in applications such as ice machines, film processing, beverage, coffee, analytical testing, wineries, and many others.

### HYDROSPHERE HDC SERIES 4.5" DIAMETER CARTRIDGES

Our 4.5" diameter HDC Series Cartridges have true multi-stage depth filtration integrated into their design. Utilizing four separate layers of micron filtration, outside-in flow allows the outer layer to trap the larger sized particles, resulting in a much lower pressure drop compared to conventional filters. Trapping various sized particles layer-by-layer, our HDC Series Cartridges provide a much higher dirt holding capacity than standard spun Polypropylene and string wound cartridges.

#### 2.5" X 9 7/8" SPECIFICATIONS

**CASE QUANTITY: 40**

**BOX DIMENSIONS: 13X11X21**

PART#	MICRONS	PART#	MICRONS
1001-25-HDC	(1)	1001-45-HDC	(1)
1005-25-HDC	(5)	1005-45-HDC	(5)
1010-25-HDC	(10)	1010-45-HDC	(10)
1020-25-HDC	(20)	1020-45-HDC	(20)
1050-25-HDC	(50)	1050-45-HDC	(50)

#### 4.5" X 9 7/8" SPECIFICATIONS

**CASE QUANTITY: 12**

**BOX DIMENSIONS: 14X10X21**

#### 2.5" X 20" SPECIFICATIONS

**CASE QUANTITY: 20**

**BOX DIMENSIONS: 13X11X21**

PART#	MICRONS	PART#	MICRONS
2001-25-HDC	(1)	2001-45-HDC	(1)
2005-25-HDC	(5)	2005-45-HDC	(5)
2010-25-HDC	(10)	2010-45-HDC	(10)
2020-25-HDC	(20)	2020-45-HDC	(20)
2050-25-HDC	(50)	2050-45-HDC	(50)

#### 4.5" X 20" SPECIFICATIONS

**CASE QUANTITY: 6**

**BOX DIMENSIONS: 14X10X21**



WARNING: Do not use with water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the system.

\*\* Specialty lengths and diameters available.

### Materials of Construction:

**Filter Media: Polypropylene**

### Operating Data:

**Max. operating temperature: 145°F (63°C)**

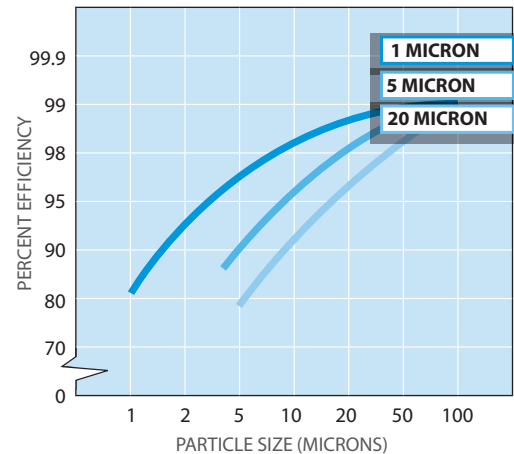
**Max. pressure drop: 69°F (20°C) 46.4 psi (3.2 kg/cm<sup>2</sup>)**

**Recommended replaceable pressure drop: 21.75 PSI (1.5 kg/cm<sup>2</sup>)**

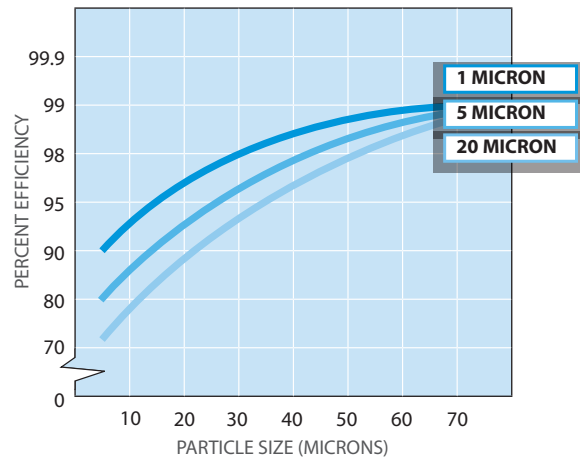
**Temperature range: 40°F to 145°F (4.4°C to 62.8°C)**

**Maximum flow: 2-8 GPM (Depending on micron rating)**

2.5" Diameter x 9 7/8" Length



4.5" Diameter x 9 7/8" Length



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.\*



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