

## Hurricane® Technology Filter Housings

### Lower Operation Costs

### Three Technologies in One

Harmsco® MUNI HP filters provide unsurpassed performance. Our patented Hurricane® design separates dense solids prior to upflow and cartridge filtration for extended filter life, increased dirt holding capacity and reduced maintenance costs.

### Features

- ▶ 1 Micron Absolute
- ▶ Combination cyclone separator and cartridge filter in a single compact design
- ▶ Patented Up-flow design with tangential entry - prevents air entrapment
- ▶ Rotational flow “flutters” media pleats - improving loading performance
- ▶ Electropolished 304L stainless steel housing
- ▶ Fail-Safe lid closure, rated for 150 psi
- ▶ Three sizes for greater media surface area
- ▶ CPVC standpipe (standard) - stainless steel optional
- ▶ Extensive choice of cartridge micron ratings and media, including carbon block
- ▶ NSF/ANSI Standard 61 Listed



Certified to  
NSF/ANSI Standard 61



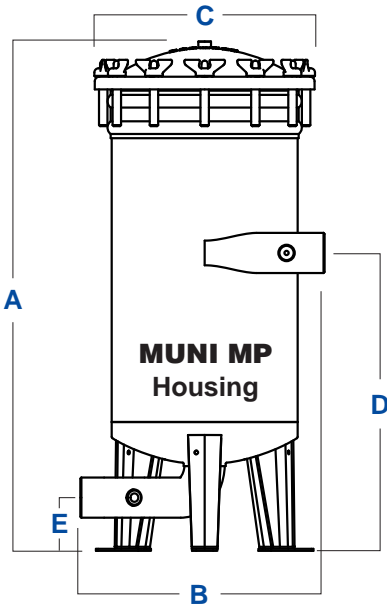
**MUNI MP series Filter Housings**

### Applications

- ▶ Drinking Water
- ▶ Cooling Tower Filtration
- ▶ Desalination Pre-filtration (316L and coated options)
- ▶ Surface Water Treatment Rule (SWTR) LT2
- ▶ Process Water
- ▶ Whole House Filtration
- ▶ Municipal Waste Water Treatment
- ▶ Reverse Osmosis Pre-filtration
- ▶ Small Community Compliance LT2
- ▶ Well Water
- ▶ Ground Water Remediation
- ▶ Ground Water Under Direct Influence (GUDI)



# Harmsco® Municipal Hurricane® Filter Housings HP



Certified to NSF/ANSI Standard 61



MUNI 40 MP



MUNI 90 MP



MUNI 170 MP

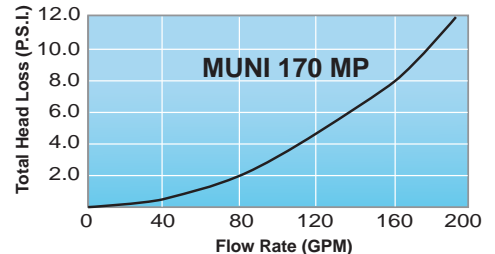
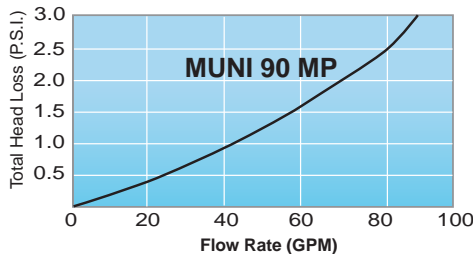
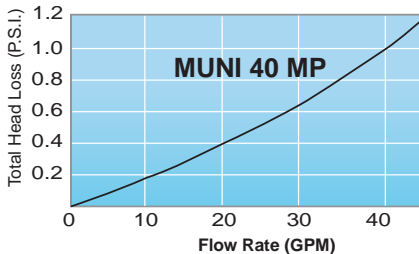
Filter Model	A Filter Height	B Width	C Diameter	D Inlet	E Outlet	Pipe Size NPT	Drain Size NPT	Floor Space	Service Ht.	Shipping Wt. Lbs.	Carton Size In.
MUNI 40 MP	19-1/2"	14-3/8"	13"	12-3/4"	3-7/16"	2"	1"	15"x15"	35"	40	14x16x21
MUNI 90 MP	29-7/8"	14-3/8"	13"	17-3/4"	3-7/16"	2"	1"	15"x15"	51"	52	14x16x38
MUNI 170 MP	40-1/2"	14-3/8"	13"	23-5/8"	3-7/16"	2"	1"	15"x15"	72"	64	14x16x42

## Filter Specifications

- ▶ Electropolished 304 stainless steel
- ▶ Standpipe - CPVC
- ▶ Temperature - 140°F (60°C) max. Up to 250°F (121°C) with optional stainless steel standpipe and high temperature cartridges installed
- ▶ Wing nuts - brass
- ▶ Rim gaskets - EPDM (Buna-N, Viton available)
- ▶ BSTP optional
- ▶ Gauge sample ports (1/4"), inlet and outlet
- ▶ Pressure - 150 psi (10 bar) max.

All stainless steel housings are 304; 316 available upon request. Stainless steel standpipe for high temperature also available.

## Pressure Drop



The total head loss data shown above was developed by NSF International and indicates pressure drop with Hurricane® filter housings and 20 micron filter cartridges in clean water.

For additional information, please refer to the "Installation & Operation Manual" for Hurricane® Filters.

**Note:** This publication is to be used as a guide. The data within has been obtained from many sources and is considered to be accurate. Harmsco does not assume liability for the accuracy and/or completeness of this data. Changes to the data can be made without notification. Temperature, Pressure, Flow Rates, Differential Pressures, Chemical Combinations and other unknown factors can affect performance in unknown ways. **Limited Warranty:** Harmsco warrants their products to be free of material and workmanship defects. Determination of suitability of Harmsco products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. The end user/installer/buyer shall be liable for the product's performance and suitability regarding their specific intended applications. End users should perform their own tests to determine suitability for each application.

