

## RADIAL FLOW CARBON CARTRIDGES (USHL SERIES)

USHL Series porous shell carbon cartridges have been designed primarily for use in removing organics and particulate contaminants from plating, acid, alkaline and hydrocarbon solutions. The cartridges are constructed with a 70-micron porous polyethylene outer shell and durable polypropylene end caps. Sandwiched between the outer shell and the core is a bed of granular activated carbon (GC).

The unique radial flow design offers the benefits of granular activated carbon (GC) filtration, such as low pressure drop, while at the same time significantly reducing the release of carbon fines commonly associated with GAC-style cartridges.

USHL Series cartridges are available in a wide variety of sizes and are ideal for point-of-entry (POE) and other high flow rate applications.



### ★ OVERVIEW

- **Construction:**
  - Polyethylene Outer Shell
  - Polypropylene Inner Wraps/Core
  - Granular Activated Carbon Media
  - Plastic End Caps
  - Buna-N Gaskets
- **Operating Temperature Range:**  
40 °F to 125 °F (4.4 °C to 51.7 °C)

### ★ FEATURES

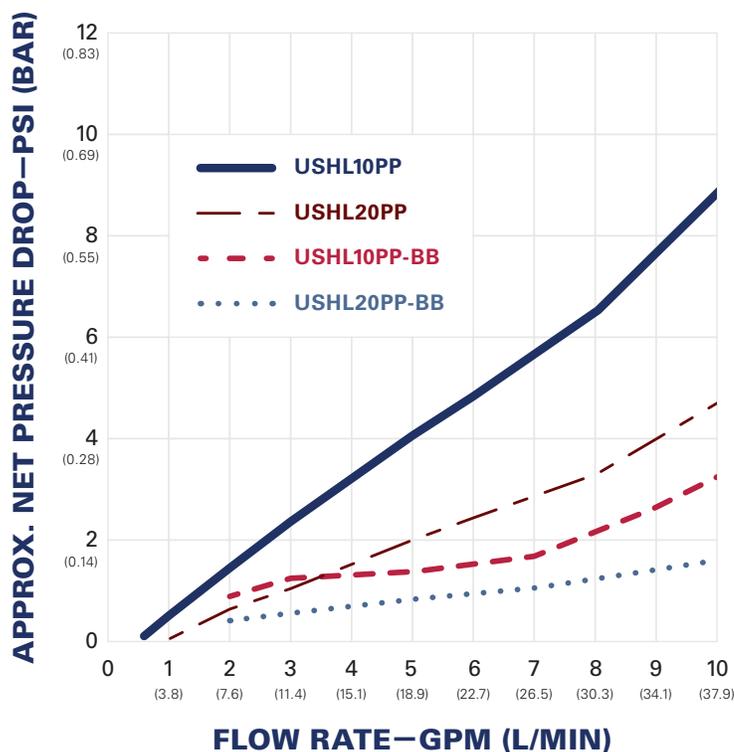
- Provides effective chlorine taste and odor reduction\*
- BB cartridges are ideal for point-of-entry (POE) and other high flow rate applications
- Unique design reduces carbon fines in filtered water
- Available in a wide variety of sizes

\* Based on manufacturer's internal testing.

### ★ APPLICATIONS

- Amines and glycols
- Water purification
- Vending machines
- Photographic
- Dechlorination
- Plating solutions
- Oil removal
- Aromatic compounds
- Color removal
- High molecule weight alcohols
- Drinking water
- Benzene/toluene
- Polychlorinated biphenyls (PCBs)
- Organic contaminants
- Clarity improvement
- Cooling tower treatment
- Beverages

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## ★ SPECIFICATIONS

PART NUMBER	MAX. DIMENSIONS	INITIAL ΔP AT FLOW RATE	CHLORINE TASTE/ODOR REDUCTION
USHL10PP	2-3/4" x 9-3/4" (70 mm x 248 mm)	0.60 psi @ 1 GPM (0.04 bar @ 3.8 L/min)	> 3,000 gallons @ 1 GPM 11,400 liters @ 3.8 L/min
USHL20PP	2-3/4" x 20" (70 mm x 308 mm)	0.60 psi @ 2 GPM (0.04 bar @ 7.6 L/min)	> 6,000 gallons @ 2 GPM 22,700 liters @ 7.6 L/min
USHL30PP	2-3/4" x 30" (70 mm x 556 mm)	0.60 psi @ 3 GPM (0.04 bar @ 11.4 L/min)	> 9,000 gallons @ 3 GPM 34,100 liters @ 11.4 L/min
USHL40PP	2-3/4" x 40" (70 mm x 612 mm)	0.60 psi @ 4 GPM (0.4 bar @ 15.2 L/min)	12,000 gallons @ 4 GPM 45,400 liters @ 15.2 L/min
USHL10PP-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	0.90 psi @ 2 GPM (0.06 bar @ 7.6 L/min)	> 35,000 gallons @ 2 GPM 132,500 liters @ 7.6 L/min
USHL20PP-BB	4-1/2" x 20" (114 mm x 308 mm)	0.90 psi @ 4 GPM (0.06 bar @ 15.1 L/min)	> 70,000 gallons @ 4 GPM 265,000 liters @ 15.1 L/min

**Note:** Individual wraps available. Standard micron ratings are based on industry accepted standard and are not "absolute" unless specifically requested. Adequate disinfection of potable water should be considered prior to installing any filter. Cartridges have a limited life; taste, color, odor and low flow may indicate the need to replace.



For more information, visit [UnitedFilters.com](http://UnitedFilters.com) or email [Info@UnitedFilters.com](mailto:Info@UnitedFilters.com)

**UFI TEXAS PLANT:** 901 S. Grant St., Amarillo, TX 79101 / 806-373-8386 / 806-371-7783 (fax)

**UFI CALIFORNIA PLANT:** 7946 Ajay Dr., Sun Valley, CA 91352 / 818-504-9471 / 818-252-7476 (fax)

**ENPRESS GROUP:** 34899 Curtis Blvd., Eastlake, OH 44095 / 440-510-0108 / [ENPRESSgroup.com](http://ENPRESSgroup.com)

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