

# HARMSCO®

## Calypso Blue™ Cartridges

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**Industrial and Residential**

### Premium and WaterBetter Series

**Designed for 4-1/2" diameter filter housings.**

**Highly efficient filter cartridges available in a selection of media including the industry's largest surface area.**



Certified to  
ANSI-NSF 61

Excluding High Temp Cartridges

- Lower overall operating cost
  - Longer filter runs for fewer change outs
  - Lower initial pressure drops
  - Reduced maintenance down time and cost
  - Increased contaminant removal
  - High flow capability

### Features

- ▶ Pleated design for more surface area
- ▶ FDA approved materials - NSF 61 certified
- ▶ Engineered media for superior performance
- ▶ Cleanable and reusable in most applications and micron sizes
- ▶ Thermally bonded end caps to ensure better sealing
- ▶ Color coded end caps for easy micron identification
- ▶ Full product line - largest selection of micron ratings
- ▶ Optional High Temperature cartridges available



### Applications

- ▶ Reverse Osmosis Pre-filtration
- ▶ Municipal Drinking Water Filtration
- ▶ Commercial/Residential Drinking Water Filtration
- ▶ Desalination Pre-filtration
- ▶ Industrial Water Filtration
- ▶ Cooling Tower Filtration
- ▶ Chill Water Loop Filtration
- ▶ Food & Beverage Filtration
- ▶ Marine/Aquatic Filtration

**HARMSCO® Filtration Products**

## Specifications

- ▶ Nominal Micron Ratings: 0.35, 1, 5, 20, 50 microns  
Absolute Micron Rating: 1 micron
- ▶ Filter Media: Polyester Plus, Synthetic, Nano Fiber
- ▶ End Caps: Pliable PVC with sealing surface built in
- ▶ Shrink Wrap: Standard on all Premium and WaterBetter Calypso cartridges
- ▶ Temperature: up to 140°F (60°C)
- ▶ Center Tubes: ABS or PVC



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## Cartridge Selection/Sizing Guide

9-3/4"

20"

### 4-1/2" O.D. 9-3/4" and 20" Calypso Blue™ Cartridges - Premium and WaterBetter®

| Product Code                                                          | Nominal Micron Rating | Media (sq ft) | Maximum Flow Rate* (GPM) | Length (in) | O.D. (in) | No./Case |
|-----------------------------------------------------------------------|-----------------------|---------------|--------------------------|-------------|-----------|----------|
| <b>Polyester</b> - engineered for high efficiency, low pressure drops |                       |               |                          |             |           |          |
| HB-10-0.35W                                                           | 0.35                  | 12            | 12                       | 9-3/4       | 4-1/2     | 8        |
| HB-10-1W                                                              | 1                     | 12            | 12                       | 9-3/4       | 4-1/2     | 8        |
| HB-10-5W                                                              | 5                     | 12            | 12                       | 9-3/4       | 4-1/2     | 8        |
| HB-10-20W                                                             | 20                    | 12            | 12                       | 9-3/4       | 4-1/2     | 8        |
| HB-10-50W                                                             | 50                    | 12            | 12                       | 9-3/4       | 4-1/2     | 8        |
| HB-20-0.35W                                                           | 0.35                  | 26            | 26                       | 20          | 4-1/2     | 4        |
| HB-20-1W                                                              | 1                     | 26            | 26                       | 20          | 4-1/2     | 4        |
| HB-20-5W                                                              | 5                     | 26            | 26                       | 20          | 4-1/2     | 4        |
| HB-20-20W                                                             | 20                    | 26            | 26                       | 20          | 4-1/2     | 4        |
| HB-20-50W                                                             | 50                    | 26            | 26                       | 20          | 4-1/2     | 4        |

#### Harmsco Free - 100% synthetic composite media

|              |    |    |    |       |       |   |
|--------------|----|----|----|-------|-------|---|
| HB-10-1W-HF  | 1  | 8  | 8  | 9-3/4 | 4-1/2 | 8 |
| HB-10-5W-HF  | 5  | 8  | 8  | 9-3/4 | 4-1/2 | 8 |
| HB-10-20W-HF | 20 | 8  | 8  | 9-3/4 | 4-1/2 | 8 |
| HB-20-1W-HF  | 1  | 20 | 20 | 20    | 4-1/2 | 4 |
| HB-20-5W-HF  | 5  | 20 | 20 | 20    | 4-1/2 | 4 |
| HB-20-20W-HF | 20 | 20 | 20 | 20    | 4-1/2 | 4 |

#### Poly-Pleat - 1 micron absolute, multi-layered media

|              |   |    |    |       |       |   |
|--------------|---|----|----|-------|-------|---|
| PP-BB-10-1   | 1 | 8  | 4  | 9-3/4 | 4-1/2 | 8 |
| PPFS-BB-10-1 | 1 | 8  | 4  | 9-3/4 | 4-1/2 | 8 |
| PP-BB-20-1   | 1 | 20 | 10 | 20    | 4-1/2 | 4 |
| PPFS-BB-20-1 | 1 | 20 | 10 | 20    | 4-1/2 | 4 |

#### Nano Fiber - 1 micron absolute, multi-layered media, low initial pressure drop, high flow rates

|              |   |    |   |       |       |   |
|--------------|---|----|---|-------|-------|---|
| NANO-BB-10-1 | 1 | 12 | 6 | 9-3/4 | 4-1/2 | 8 |
|--------------|---|----|---|-------|-------|---|

#### SureSafe Antimicrobial - reduces growth of bacteria and mold on media

|              |    |    |    |       |       |   |
|--------------|----|----|----|-------|-------|---|
| HB-10-20W-AM | 20 | 12 | 12 | 9-3/4 | 4-1/2 | 8 |
| HB-10-50W-AM | 50 | 12 | 12 | 9-3/4 | 4-1/2 | 8 |
| HB-20-20W-AM | 20 | 26 | 26 | 20    | 4-1/2 | 4 |
| HB-20-50W-AM | 50 | 26 | 26 | 20    | 4-1/2 | 4 |

#### EZ-Clean - 100% synthetic composite 50 micron media

|                |    |    |    |       |       |   |
|----------------|----|----|----|-------|-------|---|
| HB-10-EZ-CLEAN | 30 | 12 | 12 | 9-3/4 | 4-1/2 | 8 |
| HB-20-EZ-CLEAN | 30 | 26 | 26 | 20    | 4-1/2 | 4 |

#### WaterBetter Polyester - economy grade

|              |    |     |    |       |       |   |
|--------------|----|-----|----|-------|-------|---|
| WB-HB-10-1W  | 1  | 9.5 | 10 | 9-3/4 | 4-1/2 | 8 |
| WB-HB-10-5W  | 5  | 9.5 | 10 | 9-3/4 | 4-1/2 | 8 |
| WB-HB-10-20W | 20 | 9.5 | 10 | 9-3/4 | 4-1/2 | 8 |
| WB-HB-10-50W | 50 | 9.5 | 10 | 9-3/4 | 4-1/2 | 8 |
| WB-HB-20-1W  | 1  | 21  | 20 | 20    | 4-1/2 | 4 |
| WB-HB-20-5W  | 5  | 21  | 20 | 20    | 4-1/2 | 4 |
| WB-HB-20-20W | 20 | 21  | 20 | 20    | 4-1/2 | 4 |
| WB-HB-20-50W | 50 | 21  | 20 | 20    | 4-1/2 | 4 |

\* Harmsco recommends operation at 50-70% of maximum flow rate for optimum performance.