

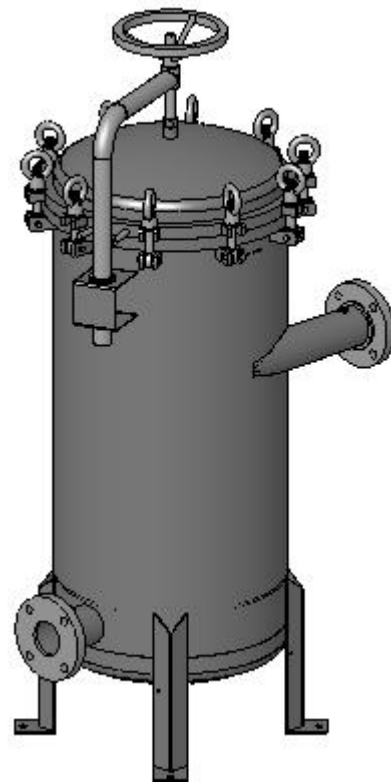
## PRODUCT SPECIFICATION

### Harmsco® Model #: HUR 3X170FL

**Description:** Tangential Entry, Up-Flow Cartridge Filter Housing with; Swing Bolt Closure, Davit Cover Lift, and Flanged Connections.

#### Details:

1. Stainless steel construction, all wetted metallic components are ASTM A-240.
2. Swing bolt style housing closure. Swing bolts are ASTM A-193 B8.
3. NSF Certified using Genuine Harmsco® Hurricane® replacement filter cartridges.\*
4. Tangential inlet and the integral inner-can, create a centrifugal flow that induces pre-filtration by heavy particulate separation.
5. Patented "Up-Flow" design that;
  - a. Self purges housing of air.
  - b. Eliminates by-pass contamination during servicing.
  - c. Improves efficiency by creating an even flow distribution across filtering media.
6. Strong, durable construction.
7. Utilizes three (3) Genuine Harmsco® Hurricane® HC/170 filter cartridges, available in many micron ratings. \*  
Note: Harmsco® Hurricane® HC/170 filter cartridges available include: Activated Carbon, High Temperature, SureSafe™, Poly-Mesh, Poly-Pleat™ & more. \*\*
8. Inlet & Outlet are NPS 3 Flanges ANSI/ASME B16.5 Class 150
9. Drains (Qty 2) are 1-1/2" Female NPT (FPT) Couplings, Class 1000
10. Vent is 1/4" Female NPT (FPT) Coupling, Class 1000
11. Gauge Ports (Qty 2) are 1/4" Female NPT (FPT) Couplings, Class 1000
12. Closure Gasket is EPDM 70 Durometer O-ring.
13. Electro-polish finish.
14. Pressure Rating - 150 P.S.I.G.
15. Temperature Rating – Up to 140°F  
Note: Higher temperatures are possible, check cartridge specifications. \*\*
16. Flow Rate – 450 GPM Maximum. See Pressure Drop vs. Flow Rate Curve, page 2.
17. One person can perform maintenance.



#### Requirements:

Floor Load:	Dry weight = 420 lbs. Volume = 61 US gallons x 8.337 lbs./US gallon (water) = 509 lbs. Total weight = 420 + 509 = 929 lbs. (housing + water) Floor contact area = .292 ft <sup>2</sup> Floor Load = 929 lbs. divided by .292 ft <sup>2</sup> = <b>3,200 pounds per square foot</b> (approx.) Note: Piping shall conform to all applicable codes and be independently supported. If floor strength is suspect, use appropriate measures to adequately distribute load.
Floor Space:	4.5 ft <sup>2</sup> (does not include Cover/Davit swing position), See Installation Diagram, page 3.
Service Height:	98-1/2", See Installation Diagram, page 3.
Bonding:	Housing shall be bonded in accordance with all applicable codes. A grounding lug is provided.

#### Recommended Spare Parts:

Closure Gasket O-ring: PN 363-E  
Set of 3 Harmsco® Hurricane® HC/170 replacement cartridges

\* The use of any filter cartridges other than Genuine Harmsco® Hurricane® filter cartridges in this filter housing voids certifications by NSF International.

\*\* Contact a Harmsco® sales representative for Harmsco® Hurricane® HC/170 filter cartridge specifications.

This product is manufactured under one or more of the following patents: U.S. NO. 4,187,179; 3,720,322; CANADA NO. 977,693; GT. BRIT. NO. 1,372,014; W. GERMANY NO. 2,261,817; FRANCE NO. 7,246,864; EUROPEAN NO. 0,191,844, Other patents pending.

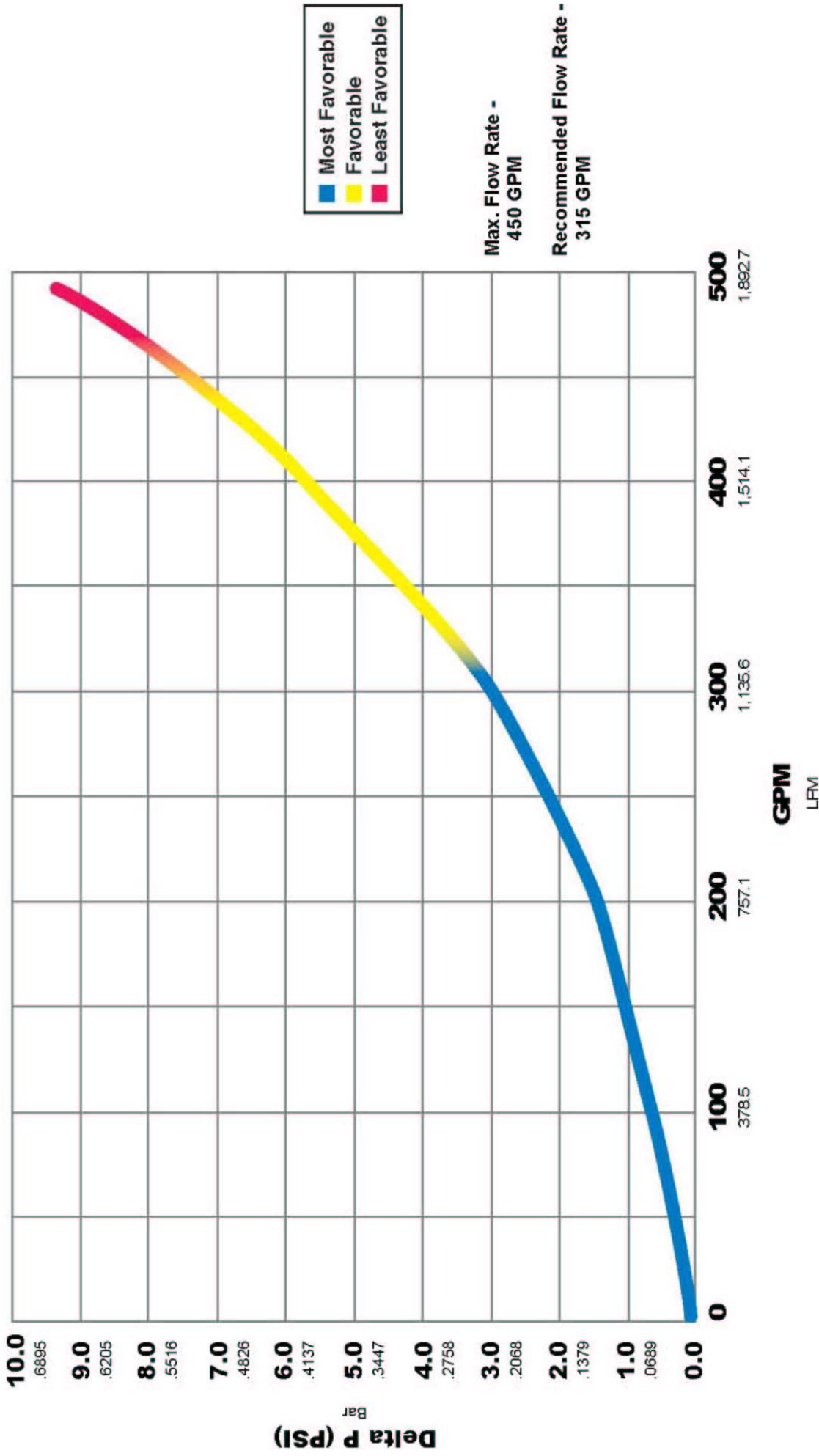
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# Pressure Drop vs. Flow Rate Curve

## Harmsco® HUR 3X170FL

### Hurricane® HC/170-20 Cartridges

Qty 3; with clean water.



■ Most Favorable  
■ Favorable  
■ Least Favorable

Max. Flow Rate -  
**450 GPM**  
 Recommended Flow Rate -  
**315 GPM**



# Harmsco® Filtration Products

## Installation Diagram

### Hurricane® 3 X 170 Swing Bolt Housing

