

StormSack Specification Sheet

Product No.: 9749-1E-000

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Physical Properties:

1. Weight (Empty): 25 lb Max
2. Material:
 - a) Adjustable flange and deflector: Aluminum alloy 6063-T6
 - b) Splash-Guard: Neoprene rubber, 80 Durometer
 - c) StormSack: Woven polypropylene geotextile
 - d) Mesh Liner: HDPE, Diamond Pattern
 - e) Lifting Tabs: Aluminum alloy: 5052-H32
 - f) Corner Fill: Aluminum alloy: 5052-H32
 - g) Support Hardware: CRES 300 Series
 - h) Oil Boom: Polypropylene, 3" Diameter
3. Performance Characteristics (typ):
 - a) Debris Capacity: 7.8 cu-ft
 - b) Filtered Flow Rate: 2686 gpm (5.9 cfs)
 - c) Primary Bypass Flow Rate: 2147 gpm (4.8 cfs)
 - d) Secondary Bypass Flow Rate: 164 gpm (0.37 cfs)
 - e) Total Bypass Flow Rate: 2311 gpm (5.1 cfs)
 - f) Oil Boom Absorption Capacity: 410 oz (3.2 gal)
4. Catch-Basin Clear Opening Range (0.5" increments):
 - a) Minimum Size: 23.0" X 45.0"
 - b) Maximum Size: 28.0" X 50.0"

Mechanical Properties:

Frame/Flange Assembly:

1. Aluminum Alloy 6063-T6
 - a) Yield Strength: 40,000-psi
 - b) Tensile Strength: 45,000-psi
 - c) Shear Strength: 30,000-psi
2. Aluminum Corner Lifting Tabs:
 - a) Yield Strength: 31,000-psi
 - b) Tensile Strength: 38,000-psi
 - c) Shear Strength: 21,000-psi

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Frame/Flange Assembly: (continued)

3. Neoprene Splash Guard:
 - a) Thickness: 0.25-in
 - b) Temperature Rating: -45°F To +250°F
 - c) Durometer: 80
4. Co-Polymer (injection molded) Corner:
 - a) Tensile Strength: 3,200-Psi
 - b) Heat Deflection Temperature (@66-Psi): 175°F
 - c) Notched IZOD Impact Strength (@73°F): No Break
5. Hardware:
 - a) CRES 300 Series
 - b) Black-Oxide Alloy Steel.
 - i. Meets ASTM F912. Rockwell hardness is C45-C53
 - ii. Thread Meets ANSI/ASME B18.3, Class 3

StormSack Assembly:

1. Geotextile Sack (woven geotextile polypropylene monofilament):
 - a) Grab Strength (ASTM D4632): 255x275-lbs
 - b) Trapezoid Tear (ASTM D4533): 40x50-lbs
 - c) Puncture (ASTM D4833): 135-lbs
 - d) Mullen Burst (ASTM D3786): 420 psi
 - e) AOS (US Std. Sieve): 20
 - f) Flow Rate (Water): 145-Gal/Min/Sf
2. Sack Support Netting:
 - a) Material: HDPE
 - b) Grid Opening: 1.25-in X 1.25-in (diamond)
 - c) Thickness: 0.14-in (typ)