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Only the best is always safe.

The Ramco® Spray Fire Shield is designed to prevent liquid and gases from developing into a spray fire by controlling leakage and creating manageable fire scenario.

This FM Approved product has been successfully tested to control spray-outs of pressurized liquids and gases protecting personnel, equipment and the environment.



Ramco® Spray Fire Shield



APPLICATIONS

- FUEL OIL
- SEAL OIL
- LUBE OIL
- HYDRAULIC OIL
- LNG
- CRYOGENIC SERVICE



CONNECTION TYPES

- FLANGES
- FLANGED BALL VALVES
- FLANGED PLUG VALVES
- FLANGED CHECK VALVES
- WAFER CHECK VALVES
- BUTTERFLY VALVES
- GATE/GLOBE VALVES



Ramco® Manufacturing Company Inc.

365 Carnegie Ave.

Kenilworth, NJ 07033

908-245-4500 phone

info@ramco-safetyshields.com



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RAMCO® 304FM Spray Fire Shield Product Specification

1.0 Technical Requirements

The RAMCO® 304FM Spray Fire Shield is fabricated for use on flanges, valves or special applications where fuel, lube or other heated oils can come in contact with an ignition creating a fire hazard due to a connection failure.

1.1 Materials used to manufacture the shield shall be 304 Stainless Steel.

1.2 The 304FM Spray Fire Shield shall be constructed as designed and documented in FM Approvals report-Project ID 3026821; Class 4999 dated July 3, 2007. (Not for public release)

**1.3 The 304FM Spray Fire Shield shall not exceed the maximum allowed radius of spray in accordance with FM requirements and standards at 200 psi.
Material has pressure rating of 3000+ psi**

**1.4 The 304FM Spray Fire Shield and all components shall maintain mechanical and structural integrity during and after the fire test as called for in FM requirements and standards. (50,000 Btu/ft²-hr for 45 minutes)
Material has temperature rating of 2650° F.**

2.0 FM Safety Shield Construction

The RAMCO® 304FM Spray Fire Shield manufacturing design shall consist of the materials as specified in FM Approvals report-Project ID 3026821 Class 4999 dated July 3, 2007. (Not for public release)

1.1 The shield shall consist of:
Outer layer of 304 Stainless Steel
Internal wire mesh liner (304 Stainless Steel)
Locator pins
Drain as specified in above referenced report
Clamps for securing the shield in place around the flange

1.2 The 304 FM Spray Fire Shield and all components shall be one assembly ready for installation with common hand tools.

1.3 The completed 304 FM Spray Fire Shield shall be stamped with the authorized FM Approval marking.

Manufacturer Information

**Ramco Manufacturing Company Inc.
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Kenilworth, NJ 07033
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