

Section 26 32 00 – Packaged Generator Assemblies – Fuel Tank Accessories

Part 1 – General

1.1 Summary

This section includes generator fuel tank accessories including overfill prevention devices, spill containment basins, venting components, and monitoring devices.

1.2 References

International Fire Code; National Fire Code of Canada; National Fire Protection Agency
NFPA 20, 30, 30A, 31, 37, 110

Petroleum Equipment Institute
PEI RP200, PEI RP800

Underwriters Laboratories Inc.
UL-142, UL-2085, UL-224

Approvals

California Air Resource Board (CARB)

Phase 1 Enhanced Vapor Recovery (EVR) AST Certified Products (VR-402)

Underwriters Laboratories Inc. UL 2583

1.3 Submittals

A. Product Data: Submit manufacturer's specifications, installation instructions, and compliance certifications.

B. Shop Drawings: Include dimensions, materials, and connection details.

C. Certificates: UL listing, NFPA compliance, and other applicable standards.

1.4 Quality Assurance

A. Manufacturer Qualifications: Minimum 5 years experience producing fuel tank accessories.

B. Regulatory Requirements: Products shall comply with applicable fire and environmental codes.

Part 2 – Products

2.1 Manufacturer

Provide products from a single manufacturer regularly engaged in production of fuel tank accessories. i.e. Morrison Bros. Co. or equivalent.

2.2 Materials

A. Overfill Prevention Device: Passivated Aluminum, ductile iron powder coated, stainless steel or E-Coated steel with Nitrophyl or stainless-steel float.

B. Spill Containment Basin for direct filling applications: Min 14 gauge spun steel, powder coated white or black with locking lid.

C. Spill Containment Box for remote filling applications: Min 12 gauge steel, powder coated white or stainless steel with locking lid or door.

D. Venting Components: Aluminum body with stainless steel mesh screen.

E. Emergency Venting Components: Spring loaded, or weight rated emergency vents, aluminum or ductile iron powder coated cover. Aluminum body, FKM seal.

F. External Emergency Shutoff Valve: Ductile Iron or stainless steel body, stainless steel internal components, fluorocarbon elastomer O-Ring, Aluminum handle, UL listed fuse link.

G. Visual and Audible Alarms: Stainless steel or Nitrophyl float, Teflon coated wires, stainless steel components.

2.3 Performance Requirements

A. Accessories shall be rated for use with diesel fuel and compatible with UL-142 tanks.

B. Components shall operate within temperature range of -20°F to 140°F.

2.4 Accessories/Product Offering

- Overfill Prevention Device (OPD): Morrison Bros. 9095X, 9095AA, 9095DS, or 9095SA series valves.

- Spill Containment Basin (UL 2583): Morrison Bros. 516, 517 or 518 series spill containment bowls.

- Remote Spill Containment Box (UL 2583): Morrison Bros. 515 or 715 series remote fill spill containment.

- Normal Vents: Morrison Bros. 155, 156, 354, 748, 749, or 922 series vents.

- Emergency Vents: Morrison Bros. 244 or 245 series emergency vents.

- External Emergency Shutoff Valve: Morrison Bros. 346 or 446 series external emergency valves.

- Visual and Audible Alarms: Morrison Bros. 718, 918AC, 1218, 918 series, 924 & 925 series liquid level gauges & alarms

- Interstitial Monitoring Sensors: Morrison Bros. 724 series leak indicator.

Part 3 – Execution

3.1 Installation

Install accessories in accordance with manufacturer's instructions and applicable codes.

3.2 Field Quality Control

A. Inspect installed accessories for proper operation and compliance.

B. Perform functional testing of alarms and valves.

3.3 Adjusting

Adjust components for proper operation and ensure all connections are secure.

3.4 Cleaning

Clean all accessories and surrounding areas after installation.