

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

Part 1 – General

1.1 Summary

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

1.2 References

NFPA 110 – Emergency and Standby Power Systems

ISO 22241

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 and other applicable standards.

1.4 Quality Assurance

A. Manufacturer Qualifications: Minimum 5 years experience producing DEF 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. Overflow Prevention Device: Passivated Aluminum, ductile iron powder coated, stainless steel or E-Coated steel with Nitrophyl or stainless-steel float.

B. Spill Containment Box for remote filling applications: Min 12 gauge stainless steel with locking lid or door.

C. Venting Components: Coated aluminum body with stainless steel mesh screen.

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

E. External Emergency Shutoff Valve: Stainless steel body, stainless steel internal components, fluorocarbon elastomer O-Ring, Aluminum handle, UL listed fuse link.

F. Visual and Audible Alarms: Stainless steel float, Teflon coated wires, stainless steel components.

2.3 Performance Requirements

A. Accessories shall be rated for use with DEF.

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

2.4 Accessories/Product Offering

- Overflow Prevention Device (OPD): Morrison Bros. 9095SS series valves.
- Remote Spill Containment Box (UL 2583): Morrison Bros. 515 or 715 series remote fill spill containment.
- Normal Vents: Morrison Bros. 354T or 749T series 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

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.