

AAR Manual of Standards and Recommended Practices
Specifications for Tank Cars

M-1002

APPLICATION FOR APPROVAL OF VALVES, CLOSURES, AND FITTINGS

Applicant MIDLAND MANUFACTURING AAR No. E252118
Description of Device 1-1/2 AND 2-1/2 VACUUM RELIEF VALVES

Applicant No. _____ Device Ident. No. A-210B_A-211B_A-212B Date 11/7/2025

1. Manufacturer MIDLAND MANUFACTURING
2. Address 7733 GROSS POINT ROAD City SKOKIE State IL. Zip 60077
3. Test facility if other than the manufacturer _____ Address _____
4. Test date 11/7/2025 4. Observer RICHARD TREJO
Title: PRODUCTION SUPERVISOR

TEST PROCEDURE

5. Description of prototype testing: BODY AND SEAT TEST ON ASSEMBLY AT 165 PSIG. VACUUM TEST -.75 TO -.5 PSIG

6. Cycles	Min. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Cycles	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium _____	Remarks _____
Cycles	Min. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Cycles	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium _____	Remarks _____
Cycles	Min. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Cycles	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium _____	Remarks _____

7. Commodity: Regulated Commodity _____ Non Regulated Commodity ☒ Specific Commodity _____
8. Flow rate (if applicable) N/A gpm (_____ L/min)

Applicable drawings	Material	Drawing Number latest revision	Precedent	
			Drawing Number	Application/Certificate
9. Device application	STAINLESS STEEL	SEE	SEE	
10. Device assembly		SUPPLEMENTAL	SUPPLEMENTAL	
11. Device details		PAGE 1	PAGE 1	

12. Quality Control Statement MIDLAND IS CERTIFIED TO AAR M-1002/M-1003 C4 AND C5

REVISIONS:

CERTIFICATION: The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The devices tested conform with drawings listed above.

By Krzysztof Pentkiewicz Title SENIOR ENGINEER

APPROVAL AAR Tank Car Committee Service Trial Required

Date Approved for Service Trial 12/5/2025

Service Trial Number ST 515

Kenneth B Dorsey

(Signature) on behalf of Tank Car Committee

APPROVAL AAR Tank Car Committee Service Completed / Not Required

Date Service Trial Completed _____

Date AAR Received Form AAR 4-6 _____

Date Approved _____

Expiration Date _____

(Signature) on behalf of Tank Car Committee

Form AAR 4-5 Revised 10/2014

Fig. 1.6 Form AAR 4-5 Application for Approval of Valves and Fittings