

## APPLICATION FOR APPROVAL OF PRESSURE RELIEF DEVICE

### APPROVAL REQUESTED OF AAR TANK CAR COMMITTEE

Applicant McKenzie Valve and Machining, LLC

**AAR NO. PRD-227005A**

Applicant's No. PRD-227005A

Date 7/1/2025

Device identification No. SRV-I165D

1. Manufacturer McKenzie Valve and Machining, LLC  
Address 145 Airport Road, McKenzie, TN 38201
2. Test facility name National Board
3. Test facility location Worthington, OH
4. Test date January 19, 2022
5. Observer Devon Ault

6. Device	7. Start-to-discharge		8. Flow rating		9. Vapor-tight		10. Flow capacity	
Number	psi	kPa	psi	kPa	psi	kPa	SCFM	std.m3/s
165001	170.0	1172.1	187.0	1298.3	164.0	1130.7	2394.7	1.13
165002	169.2	1166.6	186.1	1283.1	163.0	1123.8	2374.9	1.12
165003	168.5	1161.8	185.4	1278.3	164.0	1130.7	2372.8	1.12

11. Official flow capacity (air) 2381 scfm ( 1.12 std. m<sup>3</sup>/s) at flow rating pressure 181.5 psi ( 1251.4 kPa)  
Test medium NITROGEN

12. Commodity: ☒ Regulated Commodity - YES ☐ Nonregulated Commodity - YES ☐  
Specific Commodity \_\_\_\_\_

The following drawings apply	Drawing number Latest revision	Precedent	
		Drawing number	Application / Certificate
13. Valve Assembly.....	<u>515545-515550</u>	<u>92534</u>	<u>PRD-207032</u>
14. Valve Mounting Nozzle.....	<u>515316</u>	_____	_____
15. ....	_____	_____	_____
16. ....	_____	_____	_____

**REVISIONS:** Correcting model number to be SRV-I165D

**CERTIFICATION:** The above data is correct. The capacity test complies with AAR Specifications for Tank Cars, Appendix A and the devices tested conform with the drawings listed above.

By: Cole Rankin Title: Lead Product Engineer

### APPROVAL of Service Trial by AAR Tank Car Committee

AAR Service Trial Required Service Trial Number: ST-\_\_\_\_\_

Date Approved for Service Trial \_\_\_\_\_

\_\_\_\_\_  
(Signature) on behalf of Tank Car Committee

### APPROVAL of Design by AAR Tank Car Committee

AAR Service Trial Required Service Trial Number: ST-\_\_\_\_\_

Date Service Trial Completed \_\_\_\_\_

Date AAR Received )RUP AAR 4-6 \_\_\_\_\_

Date Approved application revision approved on: 7/18/2025

Expiration Date \_\_\_\_\_

\_\_\_\_\_  
(Signature) on behalf of Tank Car Committee