

APPLICATION FOR APPROVAL OF PRESSURE RELIEF DEVICE

AAR NO. PRD- 152003

Applicant's No. _____

Date 12/10/15

Device identification No. A-19075-SS, A-19075-F-SS,
A-19075-SS-S01, A-19075-
F-SS-S01

APPROVAL REQUESTED OF AAR TANK CAR COMMITTEE

Applicant Midland Manufacturing

1. Manufacturer 7733 Gross Point Rd
Address Skokie, IL 60077
2. Test facility Colorado Engineering Experiment Station, INC (CEESI) 3. Location Nunn, CO
4. Test date 5/18/15 to 5/19/15 5. Observer Kaleb Hoyt/Bryan Trostel

6. Device Number	7. Start-to-discharge		8. Flow rating		9. Vapor-tight		10. Flow capacity	
	psi	kPa	psi	kPa	psi	kPa	SCFM	std.m ³ /s
XA-19075-1-1A	76.75		85		70.20		10,252	
XA-19075-3-3A	75.98		85		65.61		10,894	
XA-19075-5-5A	76.48		85		63.09		11,043	

11. Official flow capacity (air) 10,730 scfm (_____ std. m³/s) at flow rating pressure 85 psi (_____ kPa)
Test medium Air

12. Commodity: Regulated Commodity X Non Regulated Commodity _____ Specific Commodity _____

The following drawings apply	Drawing number Latest revision	Precedent	
		Drawing number	Application/ Certificate
13. Valve Assembly.....	A-19075-SS, A-19075-F-SS, A-19075-SS-S01,	_____	_____
14. Valve Mounting Nozzle.....	A-19075-F-SS-S01	_____	_____
15.	_____	_____	_____
16.	_____	_____	_____

REVISIONS:

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: Kaleb Hoyt Title Design Engineer

APPROVAL of Service Trial by AAR Tank Car Committee

AAR Service Trial Required Service Trial Number: ST- 464

Date Approved for Service Trial MAR 22 2016


(Signature) on behalf of Tank Car Committee

APPROVAL of Design by AAR Tank Car Committee

AAR Service Trial Required Service Trial Number: ST- 464

Date Service Trial Completed 12/6/2020

Date AAR Received Form 4-6 4/6/2020

Date Approved 12/6/2020

Expiration Date 3/22/2016


(Signature) on behalf of Tank Car Committee