

APPLICATION FOR RENEWAL OF APPROVAL FOR VALVES AND FITTINGS

- 1. AAR APPROVAL No. E-091024
- 2. Date of Application 9/16/09
- 3. Previous AAR Approval E-061027

- 4. Applicant: American Railcar Industries
- 5. Address: 100 Clark Street, St. Charles, MO 63301
- 6. Drawing No. 3-F-4216/5-W-7991/4-Y-2187/4-Y-2535
- 7. Latest rev. R5/A/A/A
- 8. Date of latest rev. 9-14-09 / 04-27-06 / 09-01-09 / 09-02-09
- 9. Description of device: Vacuum relief valve
- 10. Device ID No. 1624 / 1624A / 1626F / 1626 / 1626A

CERTIFICATION: The subject device is unchanged from the previous approval, and conforms with the latest revision of AAR Specifications for Tank Cars, Appendix A. The device conforms with drawing listed above.

11. By: _____ Title: _____

If device is changed since latest approval, fill in the following blanks

12. Reference Previous Drawing	New Drawing	If on Service Trial
No. <u>3-F-4216</u> Rev. <u>P1</u> Date <u>11-6-06</u>	No. <u>3-F-4216</u> Rev. <u>R5</u> Date <u>9-14-09</u>	S.T. No. _____
No. <u>5-W-7991</u> Rev. <u>A</u> Date <u>4-27-06</u>	No. <u>5-W-7991</u> Rev. <u>A6</u> Date <u>12-16-08</u>	S.T. No. _____
No. _____ Rev. _____ Date _____	No. <u>4-Y-2187</u> Rev. <u>A</u> Date <u>9-01-09</u>	S.T. No. _____
No. _____ Rev. _____ Date _____	No. <u>4-Y-2532</u> Rev. <u>B</u> Date <u>9-16-09</u>	S.T. No. _____
No. _____ Rev. _____ Date _____	No. <u>4-Y-2535</u> Rev. <u>A</u> Date <u>9-02-09</u>	S.T. No. _____

13. New drawing supersedes previous one or does not obsolete it

CHANGES

- 14. a. 4-Y-2187 allows for a flanged application
 - b. allows for a sight glass
 - c. allows for -2 psig & -3 psig
 - d. 4-Y-2532 allows for sight glass w/ 1-1/2" NPT
 - e. allows for -2 psig & -3 psig
 - f. 4-Y-2535 allows for sight glass w/ 2" NPT
 - g. allows for -2 psig & -3 psig
- (if needed use supplemental sheet)

REASONS FOR CHANGES

- a. Increases application opportunities.
- b. Increases POD during Standard Leak Test
- c. Increases application opportunities.
- d. Increases POD during Standard Leak Test
- e. Increases application opportunities.
- f. Increases POD during Standard Leak Test
- g. Increases application opportunities.

15. Normal operational effect of changes of device: These changes are external to the O-ring and Seat Design. The valve operates in the same manner using the same Quad-ring configuration and the same seat design. The variations in the initial setting allow for greater flexibility in meeting custom demands.

16. Drawing submitted with this application: 3-F-4216, 5-W-7991, 4-Y-2187, 4-Y-2535

CERTIFICATION: The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The device conforms with drawing listed above.

17. By: _____ Title: _____

APPROVAL AAR Tank Car Committee:

Date Approved: JUL 27 2010

Kenneth B. Dorsey
(Signature) on behalf of Committee