

**AAR Manual of Standards and Recommended Practices
Specifications for Tank Cars**

CHAPTER 1

M-1002

**APPLICATION FOR RENEWAL OF APPROVAL FOR PRESSURE RELIEF
DEVICES, VALVES, CLOSURES, AND FITTINGS**

1. AAR APPROVAL No. E152113
 2. Date of Application 01/11/16
 3. Previous AAR Approval E119031

4. Applicant: CONBRACO INDUSTRIES INCORPORATED
 5. Address: P. O. BOX 125, PAGELAND, SC 29728
 6. Drawing No. 87A/88A-380 7. Latest rev. A 8. Date of latest rev. 01/11/16
 9. Description of device: 1" -2" & 3" TWO-PIECE FLANGED X NPT 10. Device ID No. 87A/88A-380 SERIES
BALL VALVE, CLASS 150, FULL PORT, CARBON STEEL & STAINLESS STEEL

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>87A380A0</u> Rev. <u>B</u> Date <u>08/16/11</u>	No. <u>87A/88A-380</u> Rev. <u>A</u> Date <u>01/11/16</u>	S.T. No. _____
No. _____ Rev. _____ Date _____	No. <u>D657300</u> Rev. <u>A</u> Date <u>09/29/15</u>	S.T. No. _____
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	S.T. No. _____

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

CHANGES

REASONS FOR CHANGES

14. a. <u>ADD NEW DESIGNED VALVE SEAT</u>	a. <u>IMPROVE LOW PRESSURE SEAT SEALING</u>
b. <u>ADDED TFM SEAT MATERIAL</u>	b. <u>PROVIDES ENHANCED PHYSICAL PROPERTIES</u>
c. <u>COMBINED ALL VALVE SIZES ON ONE DRAWING</u>	c. <u>PROVIDES ALL SIZES THAT REQUIRE AAR APPROVAL</u>
d. <u>COMBINED ALL VALVE MATERIALS ON ONE DRAWING</u> (if needed use supplemental sheet)	d. <u>PROVIDES ALL MATERIAL THAT REQUIRE AAR APPROVAL</u>

15. Normal operational effect of changes of device: THE NEW SEAT DESIGN IMPROVES LOW PRESSURE SEALING WITHOUT INCREASING VALVE OPERATING TORQUES. ALLOWABLE PRESSURE AND TEMPERATURE LIMITS REMAIN unchanged.

16. Drawing submitted with this application: 87A/88A-380 REVISION A & D657300 REVISION A

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: *Chuck Taylor* Title: SENIOR PROJECT ENGINEER

APPROVAL AAR Tank Car Committee:

Date Approved: JAN 11 2016

Kenneth B Dorsey
(Signature) on behalf of Committee

Form AAR 4-7 8/1/2014

Fig. 1.5 Form AAR 4-7 Application for Renewal of Approval for Pressure Relief Devices, Valves, Closures, and Fittings