

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

1. AAR APPROVAL No. E162111
 2. Date of Application 7-5-16
 3. Previous AAR Approval E069012
 4. Applicant: METAL GOODS MANUFACTURING
 5. Address: 428 WEST 8TH STREET BARTLESVILLE, OK. 74003
 6. Drawing No. 331 Sheet 1 7. Latest rev. Rev 3 8. Date of latest rev. 7/05/2016
 9. Description of device: 3/4" Threaded Needle Valve 10. Device ID No. 331

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>331</u> Rev. <u>0</u> Date <u>6/20/06</u>	No. <u>331</u> Rev. <u>3</u> Date <u>7/05/16</u>	S.T. No. <u>N/A</u>
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	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>Changed stem tip groove from radius to square</u>	a. <u>Easier to cut square groove in small part</u>
b. <u>Changed depth of 1/4" NPT thread</u>	b. <u>To be able to use a standard thread gauge</u>
c. _____	c. _____
d. _____	d. _____

(if needed use supplemental sheet)

15. Normal operational effect of changes of device: No changes to operation of device

16. Drawing submitted with this application: Drawing 331, Sheet 1, Revision 3

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: *Stacy Gray* Title: Vice President

APPROVAL AAR Tank Car Committee:

Date Approved: December 20, 2016 *Dennis Gray*
 (Signature) on behalf of Committee