

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

1. AAR APPROVAL No. E182107
 2. Date of Application 05/01/2018
 3. Previous AAR Approval E089015
 4. Applicant: Metso
 5. Address: 44 Bowditch Dr. Shrewsbury, MA 01545-8044
 6. Drawing No. 5271, R108-1 7. Latest rev. D, 01/11 8. Date of latest rev. 09-27-2005, 01-2011
 9. Description of device: LIQUID/VAPOR VALVE 10. Device ID No. WSRR/WSRF

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>5271</u> Rev. <u>D</u> Date _____	No. <u>5496</u> Rev. <u>A</u> Date <u>05-2011</u>	S.T. No. _____
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

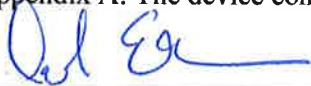
REASONS FOR CHANGES

- | | |
|---|---|
| 14. a. <u>Revised pin configuration</u>
b. _____
c. _____
d. _____
(if needed use supplemental sheet) | a. <u>Improved cleanliness for food grade commodity</u>
b. _____
c. _____
d. _____ |
|---|---|

15. Normal operational effect of changes of device: None. Eliminates gaps previously created by wedge pin. No change to seats or stem seals. Form, fit, & function are unchanged.

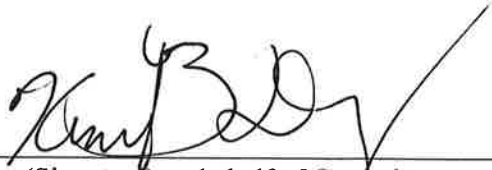
16. Drawing submitted with this application: 5271-D, 5496-A

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: David Escobar  Title: Director of Engineering

APPROVAL AAR Tank Car Committee:

Date Approved: 7/5/2018


(Signature) on behalf of Committee