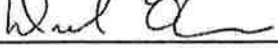


**APPLICATION FOR RENEWAL OF APPROVAL FOR PRESSURE RELIEF
DEVICES, VALVES, CLOSURES, AND FITTINGS**

1. AAR APPROVAL No. E172116
 2. Date of Application 6/23/2017
 3. Previous AAR Approval E079029

4. Applicant: Metso
 5. Address: 44 Bowditch Dr, Shrewsbury, MA 01545-8044
 6. Drawing No 5063, 5099, 5100, 51017. Latest rev. E, D, B, A, * 8. Date of latest rev. 01/99, 01/04, 12/98, 10,91, *
 9. Description of device: 1/2 - 3" LIQUID / VAPOR VALVE 10. Device ID No. 5000.RRU, RRT, RRR, RRF, *
* = 5102, B, 06/02 / 5103, C, 06/02 / 5193, A, 06/04 / 5295, B, 12/98 / 5296, B, 12/98 RFF, FRF

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: David Escobar  Title: Director of Engineering

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

12. Reference Previous Drawing	New Drawing	If on Service Trial
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	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. _____ a. _____
 b. _____ b. _____
 c. _____ c. _____
 d. _____ d. _____
 (if needed use supplemental sheet)

15. Normal operational effect of changes of device: _____

16. Drawing submitted with this application: _____

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: 9/15/2017 
 (Signature) on behalf of Committee