

**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. E212117
 2. Date of Application 4-5-2021
 3. Previous AAR Approval E119015
 4. Applicant: Bray Controls USA
 5. Address: 13333 Westland East Blvd
 6. Drawing No. ES11A-0339/0340
ES11A-0341/0342 7. Latest rev. 3/1
2/1 8. Date of latest rev. 06/2018, 03/2003
03/2003, 03/2003
 9. Description of device: High Performance Butterfly Valve for 10. Device ID No. Series 40/41-466
Liquid and Vapor Valves

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>ES11A-0339</u> Rev. <u>2</u> Date <u>03/2003</u> | No. <u>ES11A-0339</u> Rev. <u>3</u> Date <u>06/2018</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>Adding 2" valve dimensions to drawing</u> | a. <u>New size offering for this product</u> |
| b. _____ | b. _____ |
| c. _____ | c. _____ |
| d. _____ | d. _____ |
- (if needed use supplemental sheet)

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

16. Drawing submitted with this application: ES11A-0339 and Engineering Revision Notice 183408

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: Haley Ferner Title: Certification Engineer

APPROVAL AAR Tank Car Committee:

Kenneth B. Dasey

Date Approved: 6/25/2021 _____

 (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

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. E212116
2. Date of Application 4-5-2021
3. Previous AAR Approval E119014
4. Applicant: Bray Controls USA
5. Address: 13333 Westland East Blvd
6. Drawing No. SK000311 7. Latest rev. 4 8. Date of latest rev. 4-10-2019
9. Description of device: Resilient Seated Butterfly Valve for bottom unloading tank car applications 10. Device ID No. Series 31

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>SK000311</u> Rev. <u>2</u> Date <u>7-23-2003</u> | No. <u>SK000311</u> Rev. <u>4</u> Date <u>4-10-2019</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>Changed part numbers of assemblies from /CC to /A175</u> b. <u>Revised drawing to reflect correct part numbers</u> c. <u>Added sheet 4</u> d. _____ (if needed use supplemental sheet) | a. <u>Fixing consistency of part numbers on Bray side</u> b. <u>To match above change</u> c. <u>Adding 31-0600-110T6-34Q/A175 option</u> d. _____ |
|--|--|

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

16. Drawing submitted with this application: SK000311 and Engineering Revision Notice 157206 and 189457

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: Haley Ferner Title: Certification Engineer

APPROVAL AAR Tank Car Committee:

Date Approved: 6/17/2021



(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