

AAR Manual of Standards and Recommended Practices Specifications for Tank Cars

CHAPTER 1

M-1002

APPLICATION FOR APPROVAL OF VALVES AND FITTINGS							
Applicant <u>Conbraco Industries, Inc.</u>				AAR No. <u>E139507</u>			
Description of Device <u>4" EP Bottom Outlet Valve</u>							
Applicant No. _____		Device Ident. No. <u>B7ATPA35SP1</u>		Date <u>09/04/13</u>			
1. Manufacturer <u>Conbraco Industries, Inc.</u>				City <u>Pageland</u> State <u>SC</u> Zip <u>29728</u>			
2. Test facility _____				Address _____			
3. Test date _____				4. Observer _____			
TEST PROCEDURE:				5. Weight or mass of device <u>75.0</u> lb. (____ kg)			
6. Description of prototype testing: <u>The valves core design mirrors existing valve models that have been in production since 1998. As a result no prototype testing was necessary. There will also be a 1 yr field test before full production begins.</u>							
7. Description of production testing: <u>Conbraco Work instruction ES 1409, Leak Testing of Valves Compliant with AAR Standards.</u>							
8. Cycles _____		Min. Temp. _____ °F _____ °C		@ Pressure _____ psi _____ kPa		Cycles _____	
						Max. Temp. _____ °F _____ °C	
						@ Pressure _____ psi _____ kPa	
						Test Medium _____	
						Remarks _____	
Cycles _____		Min. Temp. _____ °F _____ °C		@ Pressure _____ psi _____ kPa		Cycles _____	
						Max. Temp. _____ °F _____ °C	
						@ Pressure _____ psi _____ kPa	
						Test Medium _____	
						Remarks _____	
9. Cycles _____		Min. Pressure _____ psi _____ kPa		@ Temp. _____ °F _____ °C		Cycles _____	
						Max. Pressure _____ psi _____ kPa	
						@ Temp. _____ °F _____ °C	
						Test Medium _____	
						Remarks _____	
Cycles _____		Min. Pressure _____ psi _____ kPa		@ Temp. _____ °F _____ °C		Cycles _____	
						Max. Pressure _____ psi _____ kPa	
						@ Temp. _____ °F _____ °C	
						Test Medium _____	
						Remarks _____	
10. Initial commodity (or commodity type) <u>Bottom Outlet for Tank Cars</u>				11. Flow rate (if applicable) _____ gpm (____ L/min)			
Applicable drawings		Material		Drawing Number latest revision		Precedent	
12. Device application		<u>A351-CF8M</u>		<u>B7ATPA35SP1</u>		Drawing Number	
13. Device assembly		<u>A216-WCB</u>		<u>B8ATA35SP1</u>		Application/Certificate	
14. Device details							
15. Quality control statement: <u>The Valves are manufactured and tested under Conbraco Corporate Quality System.</u>							
REVISIONS:							
CERTIFICATION: The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The devices tested conform with drawings listed above.							
By <u>BOY MULED, Tye</u>				Title <u>Engineer</u>			
APPROVAL AAR Tank Car Committee							
Date Approved _____				(Signature) on behalf of Tank Car Committee			
Form AAR 4-5 Revised 12/1/2000							
Subject to AAR Service Trial No. _____							

Fig. 1.4 Form AAR 4-5 Application for Approval of Valves and Fittings