

AAR Manual of Standards and Recommended Practices Specifications for Tank Cars

M-1002

APPLICATION FOR APPROVAL OF VALVES, CLOSURES, AND FITTINGS

Applicant HEROSE GMBH Armaturen und Metalle AAR No. E252104
 Description of Device Cryogenic Globe Valve, DN10 (3/8" to DN50 (2"))

Applicant No. _____ Device Ident. No. 01355 Date 09/10/2024

1. Manufacturer HEROSE GMBH Armaturen und Metalle
 2. Address Elly-Heuss-Knapp-Str. 12 City Bad Oldesloe State Germany Zip 23843
 3. Test facility if other than the manufacturer _____ Address _____
 4. Test date 5/23/2023 4. Observer M. Boyungs and S.Luetjens
 Title: _____

TEST PROCEDURE

5. Description of prototype testing: In acc. with DIN EN 1626:2009, DIN EN 12266 part 1 & 2 and HEROSE Spec. QMAA 02-001-001

6. Cycles	Min. Temp.	@ Pressure	Cycles	Max. Temp.	@ Pressure	Test Medium	Remarks
2000	-321 °F -196 °C	725 psi 5000 kPa	_____ _____	+248 °F +120 °C	_____ _____	Liquid Nitrogen	
Cycles	_____ _____ °F _____ _____ °C	_____ _____ psi _____ _____ kPa	_____ _____	_____ _____ °F _____ _____ °C	_____ _____ psi _____ _____ kPa	_____ _____	Remarks
Cycles	_____ _____ °F _____ _____ °C	_____ _____ psi _____ _____ kPa	_____ _____	_____ _____ °F _____ _____ °C	_____ _____ psi _____ _____ kPa	_____ _____	Remarks

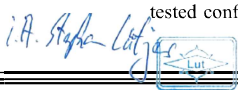
7. Commodity: Regulated Commodity Non Regulated Commodity _____ Specific Commodity _____
 8. Flow rate (if applicable) N/A gpm (_____ L/min) Air gases, vapour and cryogenic liquefied gases (for example: O₂, N₂, Ar, He, CO₂, LNG, LPG, Ethylen and similar)

Applicable drawings	Material	Drawing Number latest revision	Precedent	
			Drawing Number	Application/Certificate
9. Device application				
10. Device assembly	Stainless steel	01355-DNXX-ZULASSUNG (valid data: 2/6/2023)		
11. Device details				

12. Quality Control Statement HEROSE has established a certified quality control programm in acc. with: DIN EN ISO 9001:2015, PED 2014/68/EU and AD 2000 - HP0


REVISIONS: 0

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  Title Quality Management of HEROSE Group

APPROVAL AAR Tank Car Committee Service Trial Required

Date Approved for Service Trial 3/17/2025
 Service Trial Number 510


 (Signature) on behalf of Tank Car Committee

APPROVAL AAR Tank Car Committee Service Completed / Not Required

Date Service Trial Completed _____ Date AAR Received Form AAR 4-6 _____
 Date Approved _____
 Expiration Date _____

(Signature) on behalf of Tank Car Committee

Form AAR 4-5 Revised 10/2014

Fig. 1.6 Form AAR 4-5 Application for Approval of Valves and Fittings