

APPLICATION FOR APPROVAL OF VALVES, CLOSURES AND FITTINGS

Applicant Midland Manufacturing Corp

AAR No. E282104

Description of Device 2" Top Transfer Angle Valve for use as Vapor and Liquid Valves

Applicant No. _____ Device Ident. No. A-721 Series Date 3/15/2018

1. Manufacturer Midland Manufacturing Corp
2. Address 7733 Gross Point Rd City Skokie State IL Zip 60077
3. Test facility if other than the manufacturer Gaynes Lab Inc Address Bridgeview IL
4. Test date 9/17-12/17 4. Observer See Supplemental
Title: _____

TEST PROCEDURE:

5. Description of prototype testing: See supplemental information

6. Cycles See Supplemental	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 ____
Cycles	Min. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Cycles ____	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium ____	Remarks ____

7. Commodity: Regulated Commodity ☒ Non Regulated Commodity ☐ Specific Commodity VCM/AA/Mercaptan
8. Flow rate (if applicable) _____ gpm (____ L/min)

Applicable drawings	Material	Drawing Number latest revision	Precedent	
			Drawing Number	Application/Certificate
9. Device application				
10. Device assembly	Ductile Iron	A-721 REV M		
11. Device details	See Supplemental			

12. Quality Control Statement MIDLAND IS CERTIFIED TO AAR M-1003 C4 AND C5 AND ISO 9001

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 Khiem Q Hoang Title Engineering Manager

APPROVAL AAR Tank Car Committee Service Trial Required

Date Approved for Service Trial 5/31/2018
Service Trial Number ST-473


(Signature) on behalf of Tank Car Committee

APPROVAL AAR Tank Car Committee Service Completed / Not Required

Date Service Trial Completed _____
Date Approved _____
Expiration Date _____

(Signature) on behalf of Tank Car Committee