

## APPLICATION FOR APPROVAL OF VALVES AND FITTINGS

Applicant MIDLAND MANUFACTURING CORP. AAR No. E102013  
 Description of Device 20" MANWAY COVER PLATE

Applicant No. \_\_\_\_\_ Device Ident. No. 9200-CS Date 9-9-10

1. Manufacturer MIDLAND MANUFACTURING CORP  
 Address 7733 GROSS POINT ROAD City SKOKIE State IL Zip 60077  
 2. Test facility MIDLAND MANUFACTURING Address SKOKIE, IL  
 3. Test date \_\_\_\_\_ 4. Observer \_\_\_\_\_

**TEST PROCEDURE:** 5. Weight or mass of device \_\_\_\_\_ lb. ( \_\_\_\_\_ kg)

6. Description of prototype testing: PART ULTRASONIC TESTED AND DIMENSIONALLY VERIFIED

7. Description of production testing: \_\_\_\_\_

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) \_\_\_\_\_ 11. Flow rate (if applicable) \_\_\_\_\_ gpm ( \_\_\_\_\_ L/min)

Applicable drawings	Material	Drawing Number latest revision	Precedent	
			Drawing Number	Application/Certificate
12. Device application . . . . .	ASTM A516 GR70 NORMALIZED	9200-CS REV. 9-1-10		
13. Device assembly . . . . .				
14. Device details . . . . .				

15. Quality control statement: MIDLAND MANUFACTURING IS CERTIFIED ISO 9000 AND REGISTERED CLASS F FACILITY.  
MIDLAND HAS RIGID QUALITY CONTROL PROCEDURES TO ENSURE THAT ALL TESTS AND MANUFACTURING  
SPECIFICATIONS ARE MET.

**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 *John C. Jones* Title Global Director, ENGINEERING

APPROVAL AAR Tank Car Committee  
 Date Approved FEB 11 2011 *Kenneth B Dorsey*  
 (Signature) on behalf of Tank Car Committee