APPLICATION FOR APPROVAL OF VALVES, CLOSURES AND FITTINGS

pplicant NoDevice Ident. NoA-721				A-721-B Series	1-B Series Date 3/15/2018		
. Manufactur	er Midland Manufact	turing Corp					
Address 773		6 6	and all las	City_Skol		_State	Zip 60077
	y if other than the	manufacturer Gay	nes Lab Inc	1.01	Address Brid		
. Test date 9/1	1-12/17				r See Supplementa		
				Title:			
	of prototype test						
	Min. Temp. °F °C	@ Pressure psi kPa	Cycles	Max. Temp. °F °C	<pre>@ PressurepsikPa</pre>	Test Medium	Remarks
6. Cycles See Supplemental Cycles	°F	psi	Cycles Cycles	°F	psi	Test Medium Test Medium	Remarks

	Material	Drawing Number latest revision	Precedent			
Applicable drawings			Drawing Number	Application/Certificate		
9. Device application						
10. Device assembly	Ductile Iron	A-721-B REV N				
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 57-472 Service Trial Number

(Signature) on behalf of Tank Car Committee

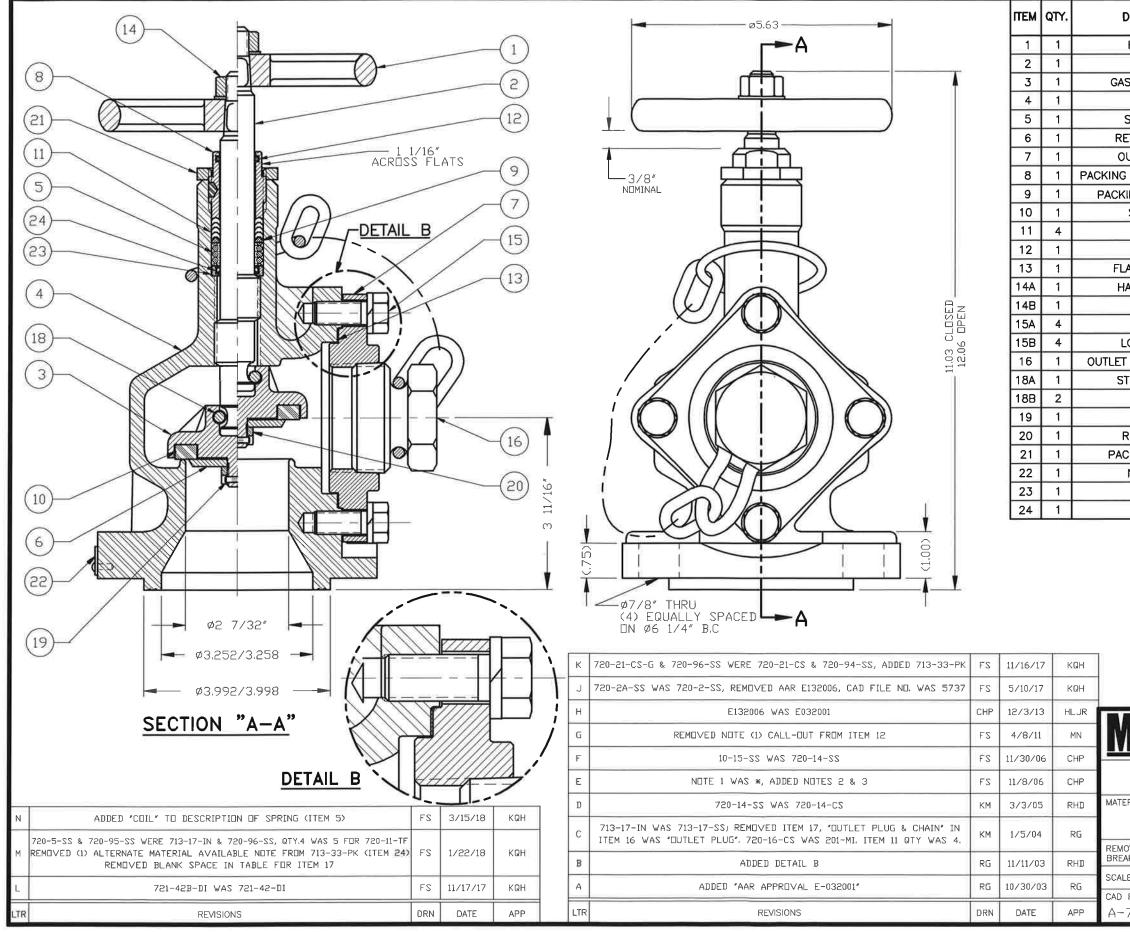
Date Approved 3/29/2024

Expiration Date 5/31/2028

Kinnet

Form AAR 4-5 Revised 10/2014

(Signature) on behalf of Tank Car Committee



DESCRIPTION	A-72	21—B		
DESCRIPTION	MATERIAL	PART No.		
HANDWHEEL	ALUMINUM (1)	720-1-AL (2)		
STEM	STAINLESS	720-2A-SS		
ASKET RETAINER	STEEL	720-3-CS (3)		
BODY	DUCTILE IRON	721-42B-DI		
SPRING, COIL	STAINLESS	720-5-SS		
RETAINER COVER	STEEL	720-6-CS (3)		
OUTLET FLANGE	STEEL	721-71-CS		
IG SCREW W/INSERT	STEEL	720-8-CS		
KING WASHER TOP	STAINLESS	720-93-SS		
SEAT SEAL	TEFLON	720-10-TF (3)		
PACKING	TEFLON	720-11-TF		
STEM SEAL	BUNA N	720-12-BN		
LANGE GASKET	GYLON 3510	721-13-GY		
HANDWHEEL NUT	STAINLESS	10-15-SS		
WASHER	STEEL	308-12-CS		
BOLT	STAINLESS	724-15-SS		
LOCK WASHER	STAINLESS	724-152-SS		
T PLUG & CHAIN (1)	STEEL. PLATED	720-16-CS		
STEM RETAINER	STAINLESS	720–18–SS		
NUT	STAINLESS	720-181-SS		
PIN	STAINLESS	720-19-SS (3)		
RETAINER NUT	STEEL	720-20-CS (3)		
ACKING LOCK NUT	STEEL	720-21-CS-G		
NAME PLATE	STAINLESS	721-22B-SS		
SPACER	STAINLESS	720-95-SS		
WIPER	PEEK	713–33–PK		

NOTES:

- 1. ALTERNATE MATERIAL AVAILABLE
- 2. FOR OPTIONAL Ø7 1/2 HANDWHEEL, ORDER PART NO. 720-101-AL.
- 3. FOR RETAINER ASSEMBLY CONSISTING OF ITEMS 3, 6, 10, 19 & 20, ORDER PART NO. 720-301-CS.

MANUFACTURING CORP. SKOKIE, IL, U.S.A.

2" ANGLE VALVE

terial: SEE TABLE				TOLERANCES UNLESS SPECIFIED: 2 PLACE DECIMAL ± .015 3 PLACE DECIMAL ± .005 ANGULAR ± 1', FRACTIONS ± 1/				
MOVE ALL BURRS.				CHAMFERS AND WELD PREP ±5'				
EAK ALL EDGES & CORNERS.				FINISH (Ra) : √ =				
ale: 1/2 drawn: RG		DAT	te: 10/8/03 approved: R			HD		
D FILE NO.	SIZE	DWG NO.					REV	
-721-B	В		Α	-721-	·B		N	