APPLICATION FOR RENEWAL OF APPROVAL FOR VALVES AND FITTINGS

	1. AAR APPROVAL No. <u>E-19</u>	
	2. Date of Application	2023
	3. Previous AAR Approval <u>E-19</u>	
4.	4. Applicant: McKenzie Valve & Machining LLC	
	5. Address: 145 Airport Road, McKenzie, TN 38201	
6.	6. Drawing No. See #12 7. Latest rev. See #12 8. Date of latest rev.	See #12
	9. Description of device: <u>Threaded Vacuum Relief Valve</u> 10. Device ID No. <u>See A</u>	
	CERTIFICATION: The subject device is unchanged from the previous approval, and concervision of AAR Specifications for Tank Cars, Appendix A. The device drawing listed above. 11. By: Title:	vice conforms with the
12.	If device is changed since latest approval, fill in the following blanks 12. Reference Previous Drawing New Drawing No. 109613 Rev. B Date 7/02/2012 No. 109613 Rev. E Date 6/23/2023 No. 507951 Rev. A Date 9/17/2008 No. 507951 Rev. I Date 12/15/2022 No. See Attached Table for New Drawings See Attached Table for New Drawings	on Service Trial .T. No. <u>n/a</u> S.T. No. <u>n/a</u> .T. No. <u>n/a</u>
13.	13. New drawing supersedes previous one \square or does not obsolete it X	
	CHANGES REASONS FOR CHAN	NGES
14.	14. a. See the attached table. b. c. c. d. (if needed use supplemental sheet) a. See the attached table. b. c. d.	
15.	15. Normal operational effect of changes of device: None	
	16. Drawing submitted with this application: All drawings listed in the attached table. CERTIFICATION: The above data is correct and conforms with AAR Specifications for T The device conforms with drawing listed above.	ank Cars, Appendix A.
17.	17. By: Roger Danzy Title: Product Engineer	
<u>Α</u> Τ	ADDDOVAL AAD Tools Con Committees	
	APPROVAL AAR Tank Car Committee: Date Approved: 8/8/2023 (Single Approved)	
	(Signature) on behalf of C	Committee

Form AAR 4-7 8/1/2014

Updates to Approved Drawings							
Drawing	Device ID / Model No. Rev.		Date	Changes	Reason for Changes		
	BODY, NPT VACUUM RELIEF VALVE MACHINING	Α	9/17/2008	Original Release	N/A		
		В	7/06/2012	Added material table.	Added materials.		
109616		С	8/09/2013	Added holes for drive screws.	Manufacturability.		
109010		D	4/21/2021	Added passivated to line 03	Clarification.		
		Е	8/27/2021	Added 3 1/4-20 tapped holes	Cap bolting option.		
		F	12/14/2022	Updated material specification	Clarification.		
	STEM-BASE FLANGED MACHINING VACUUM RELIEF VALVE	Α	9/11/2008	N/A - Approved on Previous Application	N/A		
		В	7/2/2012	Changed 1.900 diameter to 1.884. Added table with line number and material.	To meet quad ring installation requirements. Added additional materials.		
109613		С	8/13/2021	Changed 1.53 to 1.25. Removed section view within the side view.	To allow adjusting the set pressure of the valve. Clarity.		
		D	12/14/2022	Updated material specifications for lines 01 to 04	Clarity		
		E	6/23/2023	Added bar stock option to lines 01 to 04.	Option to use bar stock material		

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Drawing	Device ID / Model No.	Rev.	Date	Changes	Reason for Changes
	VRV-075C-S4-N2	А	9/17/2008	N/A - Approved on Previous Application	N/A
		В	5/22/2012	Changes in materials that are compatible with the intended commodity service - Modified Elastomer Table	To meet customer requirements To ensure valve
				External Change - Added note to require marking per AAR C-III	marking is sufficient
		С	1/25/2018	Changes in materials that are compatible with the intended commodity service - Modified Elastomer Table	To meet customer requirements
507951		D	6/27/2018	External Change - Added tack welding of cap/nameplate to body	To ensure cap/nameplate attachment to body in the event of failure of drive screws
307331		E	3/10/2020	Removed Note 3	Not required.
		F	2/17/2021	Transferred elastomer table to drawing 111731. Updated welding electrode type in Note 6.	Reduce drawing revisions for elastomers.
		G	5/18/2021	Revised Symbol 2 part number.	AAR Marking requirements.
		Н	8/31/2021	Added bolting and seal wire for Symbol 2. Revised Notes 4 and 6.	Added option for bolting and sealing Symbol 2. Clarified Assembly and Testing requirements.
		l	12/15/2022	Revised Symbol 2 part number.	Correction.

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New Drawings						
Drawing	Device ID / Model No.	Rev.	Date	Changes	Reason for Changes	
114548	STEM-BASE VACUUM RELIEF VALVE BAR STOCK	А	6/23/2023	Original Release	N/A	

Common Variations					
Model No.	Part Number				
VRV-075C-S4-N2	507951				
VRV-075C-S6-N2	509988				
VRV-075C-T6P-N2	514937				
VRV-150C-S4-N2	509981				
VRV-150C-S6-N2	509989				
VRV-150C-T6P-N2	514403				
VRV-200C-S4-N2	509982				
VRV-200C-S6-N2	509990				
VRV-300C-S4-N2	509983				
VRV-300C-S6-N2	509991				
VRV-300C-T6P-N2	516365				
VRV-400C-S4-N2	507952				
VRV-400C-S6-N2	509992				