

IOM -ARV-0814

ATMOSPHERIC RELIEF VALVE

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

GRAHAM CORPORATION

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TABLE OF CONTENTS

SECTION I - GENERAL INFORMATION	3.....
1.1 Introduction	3.....
1.2 Proper Selection & Operation.....	3.....
1.3 Mechanical Description & Design Features.....	4..
SECTION II - INSTALLATION	5.....
2.1 Initial Inspection	5.....
2.2 Installation	5.....
2.3 Lifting	5.....
SECTION III - MAINTENANCE	6.....
SECTION IV - REPAIR INSTRUCTIONS AND REPLACEMENT ORDERS	6
4.1 Repair Instructions.....	6.....
4.2 Replacement Orders.....	7.....
SECTION V - TABLES AND DRAWINGS	8.....
Table I- ATMOSPHERIC RELIEF VALVE SIZES, Inches	8
Standard Drawings:	
S-32371 (vertical raised face flanges)	8..
S-32381 (horizontal raised face flanges).....	9
S-32391 (angle raised face flanges).....	10

SECTION I - GENERAL INFORMATION

1.1 Introduction

The Graham Viking Relief valve is principally utilized on surface condensers to relieve the steam which can be admitted to a turbine or engine under maximum possible full throttle conditions.

SECTION II - INSTALLATION

2.1 *Initial Inspection*

Inspect all protective covers for shipping damage . . . if damage is evident, inspect for internal contamination and replace protective covers if the unit is going to be stored. If the valve is damaged, notify the carrier immediately and then contact Graham Corporation.

2.2 *Installation*

The installation of the Viking relief valve is very simple. It requires only that the valve is installed in the correct position that the hand wheel is free to operate without obstruction from other piping or equipment, that a water seal is piped to the valve (a 25 gal/min is recommended)

SECTION III - MAINTENANCE

Our experience has shown that there is minimal maintenance required on the Viking atmospheric relief valve. Periodic testing (opening and closing with the hand wheel) of the valve is required along with visual inspection of the inner works. Visual inspection of the liquid level in the gauge glass should be routinely observed. The frequency of inspections and tests will depend upon the installation and local conditions but they should be performed at least once a year and more often if there are unusual circumstances such as corrosive atmosphere, after an upset condition, or other situations that could possibly damage the valve.

SECTION IV - REPAIR INSTRUCTIONS AND REPLACEMENT ORDER

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- NOTES -