1

SUBJECT 1357

OUTLINE OF INVESTIGATION

FOR

OXYGEN-FUEL GAS COMBINATION FLASH ARRESTER AND BACK-PRESSURE CHECK VALVES

Issue Number: 1

APRIL 30, 2004

Summary of Topics

This First Issue of Subject 1357, Outline of Investigation for Oxygen-Fuel Gas Combination Flash Arrester and Back-Pressure Check Valves, covers requirements for combination dry-type flashback arresters and back-pressure check valves for use with oxygen and fuel gas consuming equipment.

COPYRIGHT © 2004 UNDERWRITERS LABORATORIES INC.

No Text on This Page

CONTENTS

INTRODUCTION	
1 Scope	.4
CONSTRUCTION	
4 General	.5
PERFORMANCE	
5 General 6 External Leakage Test 7 Seat Leakage Test 8 Back Pressure Check Valve Endurance Test 9 Pressure Activated Shutoff Valve Operation Test 10 Hydrostatic Pressure Strength Test 11 10-Day Moist Ammonia-Air Stress Cracking Test 12 Fuel Gas Compatibility Test 13 Oxygen Compatibility Test 14 Continuous Flame Test 15 Flashback Cycling Test 16 Explosion Test 17 Accelerated Aging Test 18 Heat Sensitive Device Operation Test 1	.7 .8 .8 .8 .9 .9 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1
MANUFACTURING AND PRODUCTION TESTS	
19 General	14
MARKING	