



# TABLE OF CONTENTS

## LINEAR

|  |    |
|--|----|
| DKLO Series Control Valve .....  | 4  |
| Lil' Gator Type VLG Control Valve .....  | 12 |
| DLO(S)-2 Control Valve .....   | 22 |
| Linear Valve Specification Form .....  | 26 |
| DBO(Y)(S)-3 Control Valve .....  | 28 |
| Linear Valve Specification Form .....  | 36 |
| Digi Actuator .....  | 38 |
| DOS Unbalanced Control Valve .....   | 42 |
| GTB Control Valve .....  | 46 |
| Aeroflow Control Valve .....   | 58 |
|  Chesterton Packing .....         | 65 |
| Aeroflow Valve Specification Form .....  | 75 |
|  Leslie Temp Desuperheaters ..... | 76 |
| Standard Duty A.T. Model 38/48 .....   | 79 |
| Heavy Duty A.T. Model 18/54 and 28/64 .....  | 80 |
| Standard Duty A.T.S.A. Model 24/34 .....   | 81 |
| Heavy Duty Que Model 33/43 .....   | 82 |
| Heavy Duty A.T. Model 13/23 .....  | 83 |
| Small Pipe Inline Desuperheater (SPID) Model 88 ..   | 84 |
| Ven-Temp Desuperheater .....   | 87 |
| SPID Desuperheater Specification Form .....  | 89 |
| Model QT Steam Conditioning Specification Form ..  | 90 |
| Model AT Steam Conditioning Specification Form ..  | 91 |

## ROTARY

|                                       |     |
|---------------------------------------|-----|
| K-MAX Control Valve .....             | 94  |
| Rotary Valve Specification Form ..... | 104 |

## THREE WAY

|   |     |
|---|-----|
| GTW Three Way Control Valve .....           | 106 |
| GTW Valve Specification Form .....          | 117 |
| RVK, RVB, RVD Three Way Rotary Valve .....  | 118 |
| RV Three Way Valve Specification Form ..... | 121 |
| DOT Three Way Control Valve .....           | 122 |
| 3-Way Valve Specification Form .....        | 127 |

## ISOLATION VALVE

|  |     |
|--|-----|
|  Steam Isolation Ball Valve ..... | 130 |
|--|-----|


## ON-OFF

|   |     |
|---|-----|
| 2500 Series Electrically Actuated Shutoff Valve ..... | 134 |
| 2500 Series Valve Specification Form .....            | 140 |
| Fire-Cide® Series Heat Actuated Shutoff Valve .....   | 142 |
| Fire-Cide® Series Valve Specification Form .....      | 145 |

## NOISE REDUCTION

|                                   |     |
|-----------------------------------|-----|
| Noise Suppressor .....            | 148 |
| Les-Sonic Silencing Orifice ..... | 152 |

## INSTRUMENTATION

|  |     |
|--|-----|
| PMC-1 Electro-Pneumatic Controller .....   | 156 |
|  PIII Pneumatic Controllers ..... | 158 |
| Leslie Thermocouple .....  | 162 |
| RTD Resistance Probe Thermometer .....   | 163 |
| Electronic Pressure Transmitter .....  | 164 |
| Siemens Positioner .....   | 165 |
| ABB TZID-C Intelligent Positioner .....  | 166 |
| ABB AV Series Intelligent Positioner .....   | 168 |
| Type PDA/PRA Constant Pressure Control Pilot .....   | 170 |
| Type PDAP/PRAP Constant Pressure Control Pilot<br>with Adjustable Proportional Band .....                          | 172 |
| Type UDDV/UDDVP/UDRVP Differential Pressure<br>and Vacuum Pilot Controllers .....                                  | 174 |
| LEVELMATIC Liquid Level Pilot Controller .....   | 176 |
| PROP-MATIC® Temperature Pilot Controller .....   | 180 |
| Type S Transfer Valve .....  | 186 |
| Airset Type AS-1 Series Adjustable Air Regulator .....   | 188 |
| AIRMATE® Type AFG-2 Air Loaders and Panels .....   | 190 |

## REFERENCE

|                                       |     |
|---------------------------------------|-----|
| Glossary of Terms .....               | 194 |
| Industry Standards .....              | 195 |
| Flange Standards .....                | 196 |
| Flow vs. Velocity Chart .....         | 197 |
| Pressure to Vacuum .....              | 198 |
| Properties of Water .....             | 199 |
| Pipe Data Tables .....                | 200 |
| Ratings for ASTM A216-WCB .....       | 204 |
| Ratings for ASTM A217-WC9 .....       | 205 |
| Ratings for A351 CF8M (316SS) .....   | 206 |
| FCI 70-2 Seat Leakage .....           | 207 |
| Liquid Body Velocity Limitation ..... | 208 |
| Pressure Temperature Limits .....     | 209 |
| Material Selection Chart .....        | 210 |
| Conversion Tables .....               | 212 |
| Steam Table .....                     | 214 |