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Spence™ Muffling Orifice

Introduction

This installation sheet covers the installation and maintenance of Muffling Orifice.

Product Description

Muffling Orifice reduces the generation of pressure regulator noise at its source. It provides an economical means of attenuating high flow PRV noise by 6 to 12 dBA.

The Muffling Orifice consists of a steel plate with primary orifices to which is welded a stainless steel plate with secondary orifices. It is engineered for each individual application to maximize noise reduction without reducing regulator capacity.

The Muffling Orifice is designed for installation between mating ANSI flanges. It is normally installed in the enlarged piping downstream of the pressure regulator.

When combined with a Spence Noise Suppressor, however, it is installed between the mating flanges of the regulator and noise suppressor.

Specifications

Available Sizes

NPS 1 to 18 / DN 50 to 450

End Connection Styles

CL125, CL150, CL250, CL300, CL400 and CL600

Materials of Construction

Plate: Steel

Disc: Stainless steel

Installation

WARNING

Personal injury, property damage, equipment damage or leakage due to escaping steam or bursting of pressure containing parts may result if this equipment is over pressured or is installed where service conditions could exceed the limits given in the specifications or where conditions exceed any ratings of the adjacent piping or piping connections. To avoid such injury or damage, provide pressure-relieving or pressure-limiting devices (as required by the appropriate code, regulation, or standard) to prevent service conditions from exceeding those limits.

Maintenance

WARNING

To avoid personal injury, property damage or equipment damage caused by sudden release of pressure or explosion of accumulated gas, do not attempt any maintenance or disassembly without first isolating the equipment from system pressure and relieving all internal pressure from the equipment.

Muffling Orifice

 [SpenceValve.com](https://www.SpenceValve.com)

Emerson

Americas

McKinney, Texas 75069 USA
T +1 800 558 5853
+1 972 548 3574

Europe

Bologna 40013, Italy
T +39 051 419 0611

Asia Pacific

Singapore 128461, Singapore
T +65 6777 8211

Middle East and Africa

Dubai, United Arab Emirates
T +971 4 811 8100

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