

50 YEARS PROTECTING LIVES AND PROPERTY



SILENT NOZZLE

I. Introduction

- Datacenters
- Trouble causes

II. Silencers

III. Siex SALCxx nozzle features

IV. Advantages of use

- Comparative
- Conclusions



- Internet era
 - Data centers proliferation
 - Disruptions costs are higher than ever
- Hard drives
 - Sensitive equipment
 - Some models may disrupt due to **high sound** pressure plus **high frequencies**
- Some firefighting systems may interfere normal performance
 - Pneumatic horns: 125 dB
 - Agent discharge: 120 dB



SOLUTIONS: <110 dB

- Out of the enclosure
- Silent nozzle

- SIEX guarantees total protection

- Notable noise reduction:
 - » Standard discharge: silent nozzles
 - » Constant Flow discharge: pressure reduction
- Total protection against fire:
 - » Approved systems



Bureau Veritas
Witness
certificate

140 dB	Pain treshold
130 dB	Pneumatic hammer
120 dB	<u>Uncontrolled discharge</u> Rock concert
110 dB	No-damage limit (hard discs)
100 dB	<u>Conventional silencer</u> Electric drill, motorcycle
90 dB	<u>Siex SALCxx, silencer</u> Electric generator, traffic
50-60 dB	Conversation

- Noise reduction:
 - Below 90 dB if discharge is 60 bar
 - Below 80 dB if discharge is 50 bar
 - Constant Flow Technology permits lower discharge pressures
- Esthetic finishing
- Fixed vertically onto discharge piping
- Models:
 - Sizes: from 1/2" BSP to 1 1/2" BSP
 - Radial: 360° or 180°



- ✓ **Versatile:**
 - Can be mounted on new installations
 - Suitable for existing installations: little adjustment tasks → improves old systems' features
- ✓ **Esthetic finishing**
- ✓ **Fixed onto discharge piping in a vertical position**
- ✓ **Models:**
 - Thread from 1/2" BSP to 1 1/2" BSP
 - Radial: 360° or 180°





QUESTIONS?

Thank you for your time