

***At the forefront of  
acoustic design  
since 1959***



**Universal Silencer Europe**

Design & manufacture of Acoustic and Emission technologies



# ***Introducing Universal...***

Our products are designed to be suitable for a range of industries including:

**POWER GENERATION • OIL & GAS  
CO-GENERATION & CHP • MARINE  
LOCOMOTIVE • INDUSTRIAL**

Our customers are leaders in their respective markets around the world and span a diverse range of industries and geographical location.

**AGGREKO  
CATERPILLAR  
CUMMINS POWER GENERATION  
ENER-G  
MAN  
ROLLS-ROYCE  
SEMCO MARITIME  
UNIPART RAIL  
WÄRTSILÄ**

Universal Silencer, founded in 1959, is a total systems provider of acoustic and emission technology.

Acquired by Nelson Industries in 1971 and then Cummins in 1998, Universal Silencer re-emerged as an independent company in 2007.

With more than 50 years' experience at the forefront of its global markets, Universal Silencer has an unrivalled company heritage and combines this with a fresh outlook on providing acoustic and emission solutions.

Universal Silencer Europe is an ISO 9001 accredited company





## ***Global facilities***

**Universal provides its customers with exceptional products and services through a global network of facilities.**

This includes dedicated teams in offices worldwide to deliver projects on a local basis, using our vast experience and respect for local customs, languages and requirements. Our global manufacturing network also helps us to reduce cost and lead times by building product locally to its final destination.

## ***European Office***

**Our European office, based in Hinckley, Leicestershire (UK) is ideally placed to co-ordinate projects throughout the world.**

Hinckley was also home to Nelson Burgess for over two decades and is synonymous with the history of our company.

Our UK based team consists of:

- An in-house Engineering department able to design bespoke applications specifically to your requirements
- A dedicated Customer Service team on hand to provide support throughout the sales process including account management and stock forecasting
- A multi-lingual Sales team and internal Marketing department
- And last but not least, our Operations team, including a 17,000sqft on-site distribution warehouse facility delivering goods throughout Europe on a daily basis.

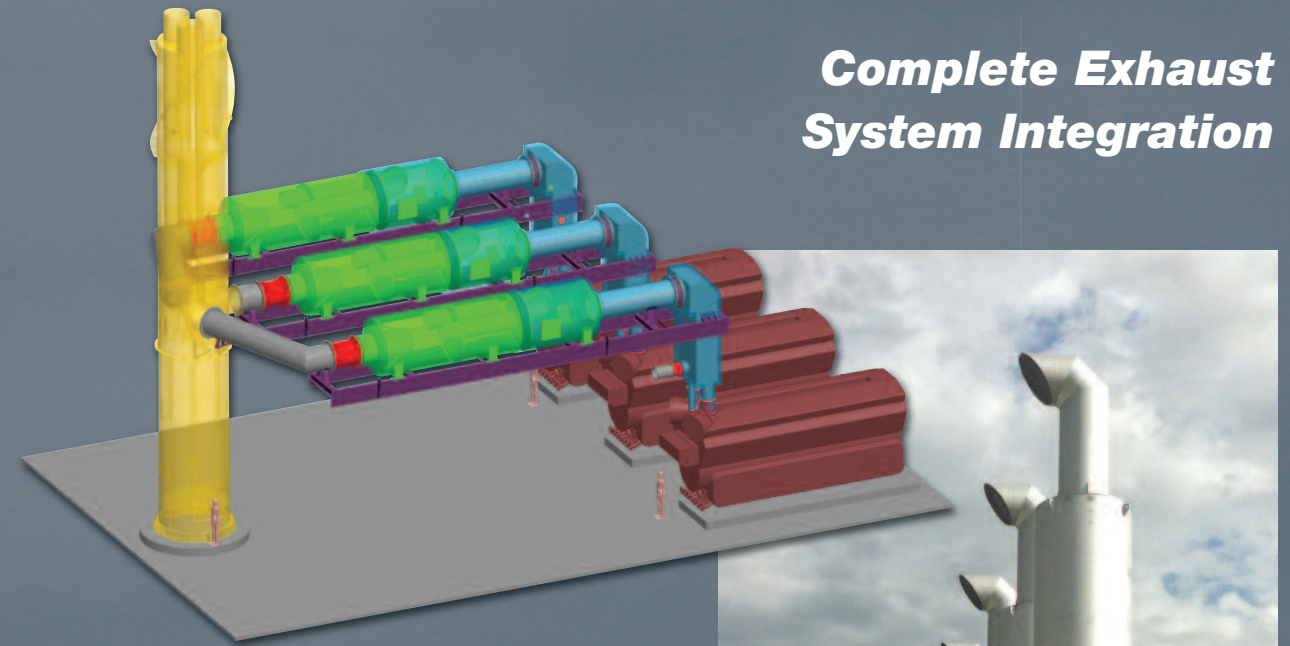




***Universal Silencer has over 50 years' experience in supplying optimal turn-key solutions on a global scale.***

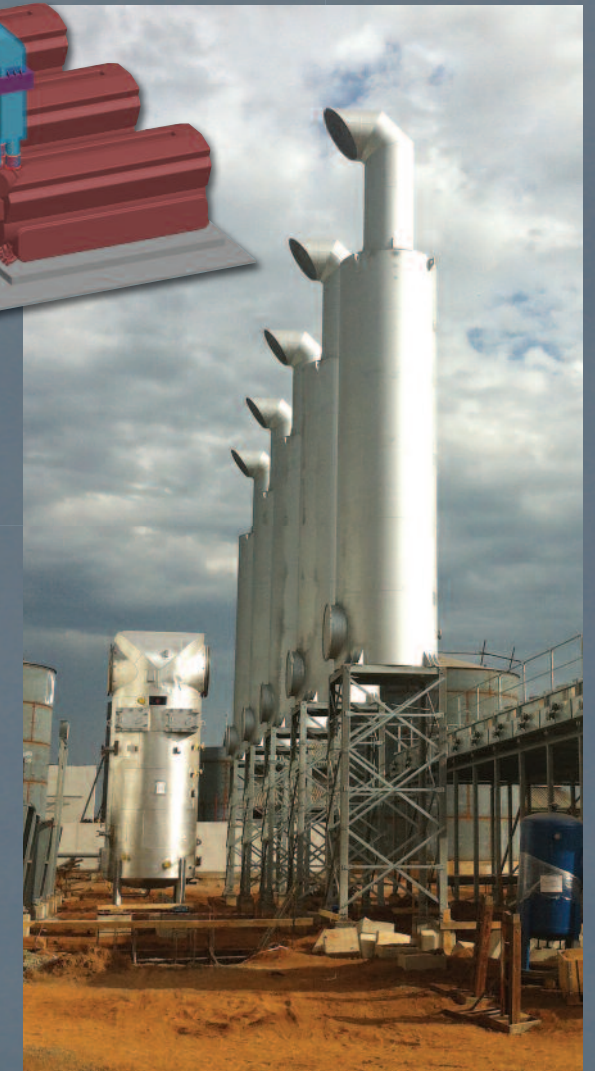
## ***From concept to completion...***

### ***Complete Exhaust System Integration***



- Integrated Emission Control & Silencer
  - Stack Silencer • Exhaust Ducting
- Expansion Joints • Structural Framing
  - Thermal Insulation

As a full systems provider, Universal Silencer can provide bespoke intake to exhaust solutions to your exact requirements adding value to your supply chain and in turn, help reduce your lead times and costs.



***Power Plant Project, Tanzania, 2012***

And with an extensive list of references for projects of all sizes and spanning a range of industries, Universal Silencer is your ideal acoustic and emissions partner.



***Charge Air Silencer Production, 2012***

***Offshore Turbine Project,  
North Sea, 2012***





# Product range

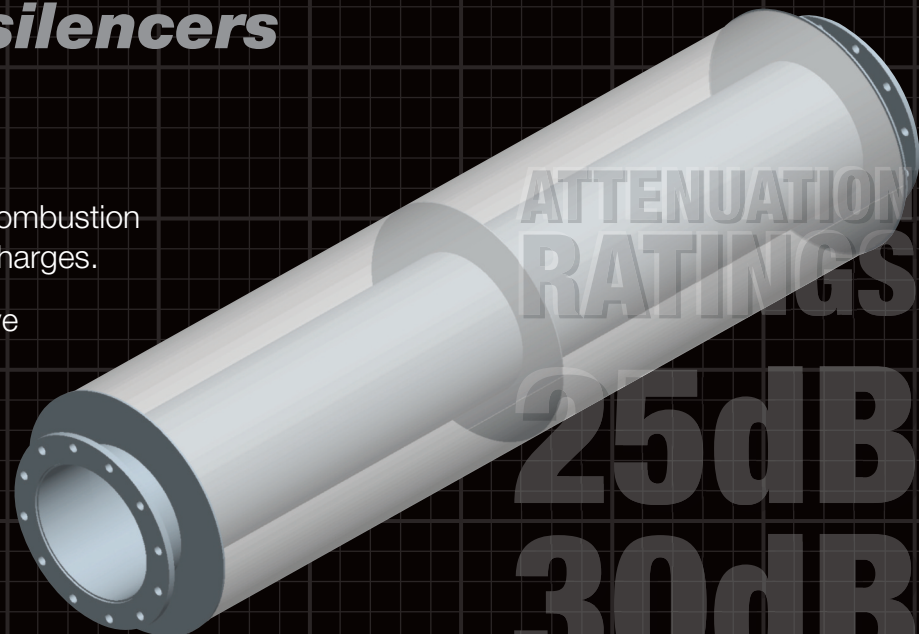
## Absorptive silencers

### ADS Series

Recommended for internal combustion exhaust and air vacuum discharges.

ADS design utilises absorptive material to dissipate exhaust pulse noise with negligible restriction to exhaust gases.

It is also ideal to use as a secondary unit on systems using reactive silencers.

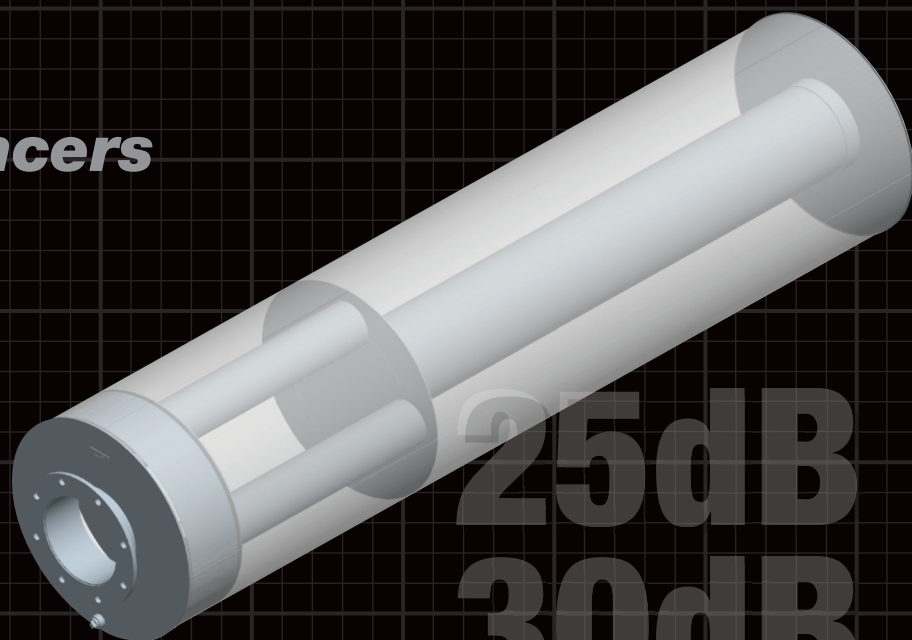


## Reactive silencers

### OPS Series

Recommended for industrial and marine applications where low frequency noise dominates.

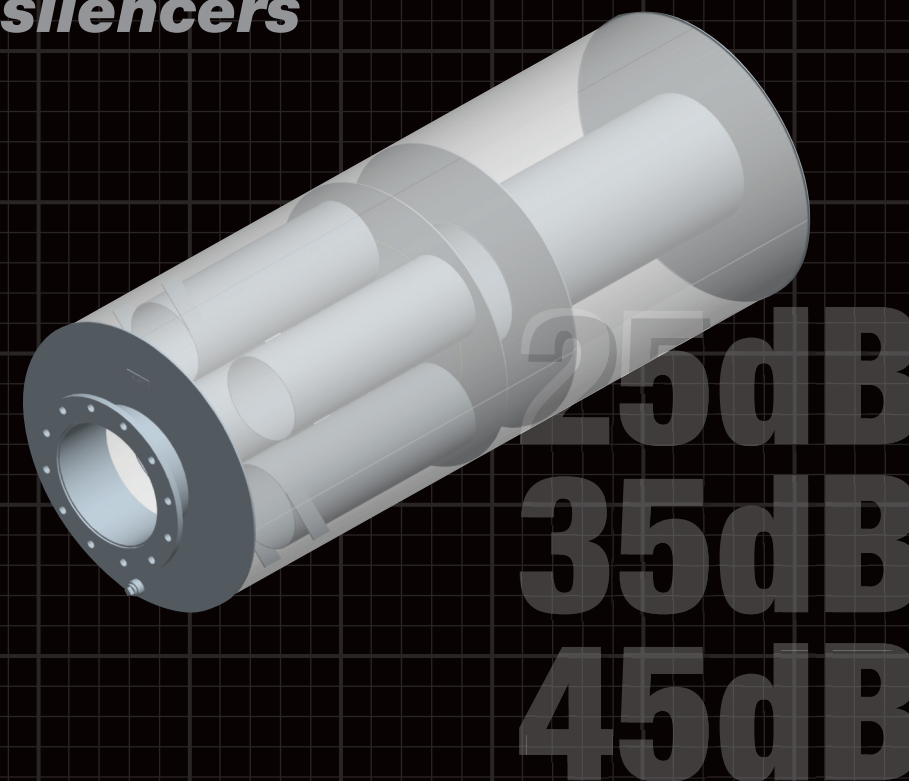
This design consists of a series of expansion chambers with inter-connecting tubes.



## Combination silencers

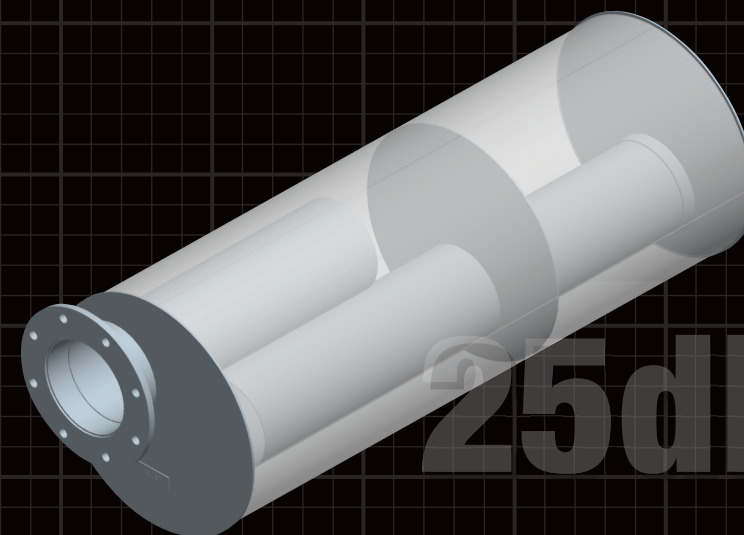
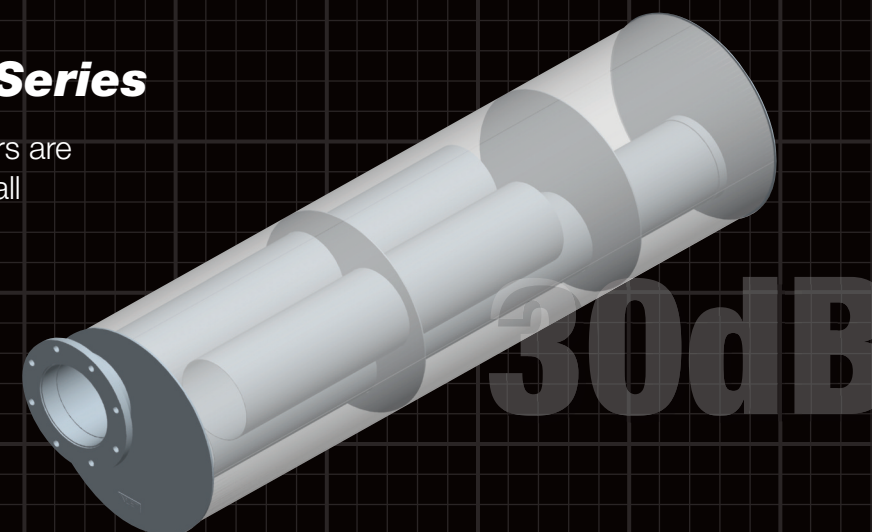
### BSE Series

Universal recommends the BSE silencer for optimum silencing applications. This unit can provide up to 45 dB attenuation, combining absorptive and reactive sections to treat both high and low frequencies efficiently.



### DSA & DDA Series

DSA and DDA silencers are recommended for small and medium sized petrol engines. They employ a twin or triple chamber design combatting low and high frequencies in separate reactive and absorptive chambers.



*Our silencer ranges are available in a range of materials, finishes and configurations to suit your specific requirements. Contact us today for more information or visit*

**[www.universalsilencer.co.uk](http://www.universalsilencer.co.uk)**

### Call off orders

Order in quantities of 100 or more and benefit from:

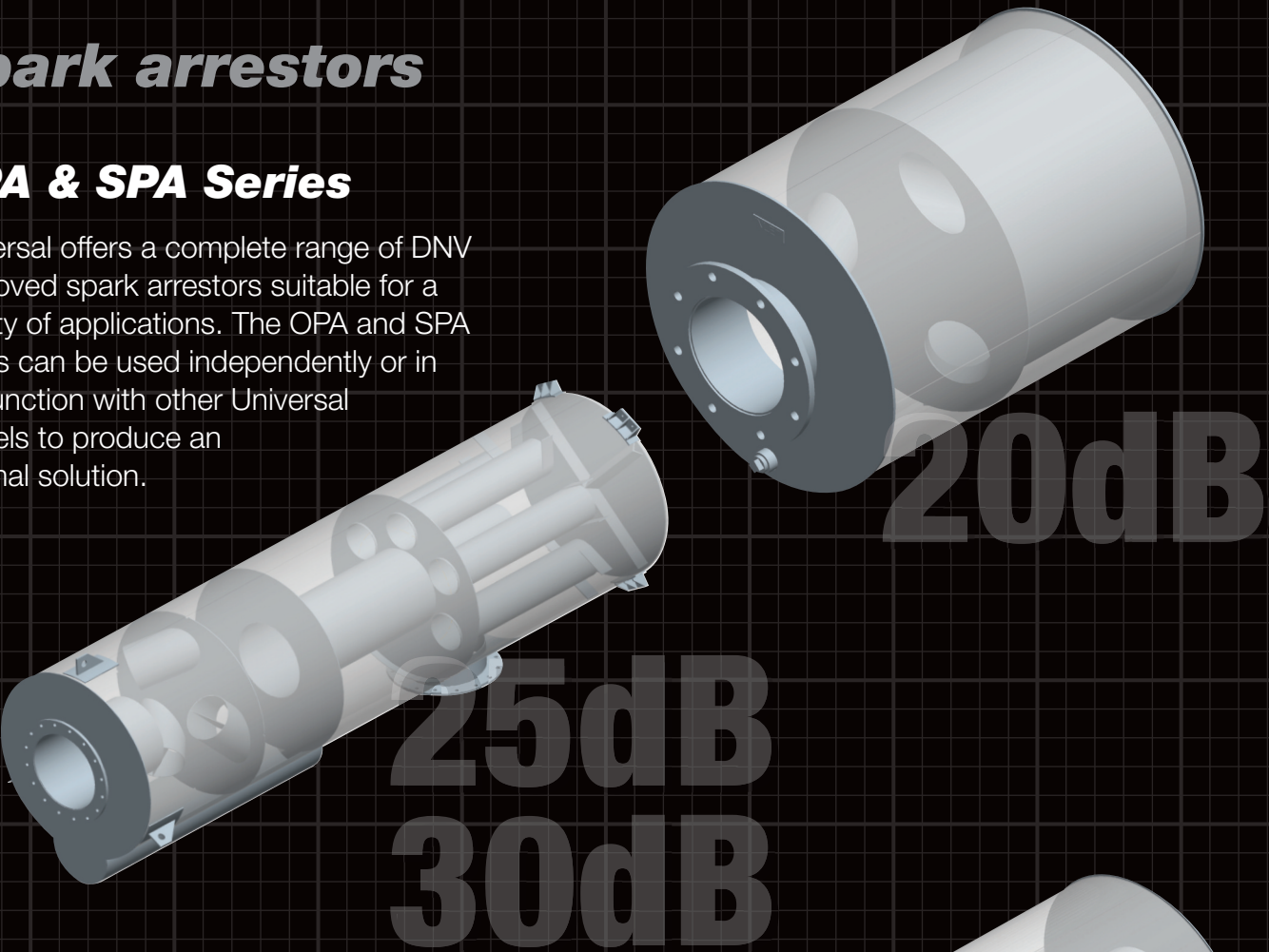
- Up to 30% reduction in cost
- Instant availability
- Free storage

# Product range (cont)

## Spark arrestors

### OPA & SPA Series

Universal offers a complete range of DNV approved spark arrestors suitable for a variety of applications. The OPA and SPA series can be used independently or in conjunction with other Universal models to produce an optimal solution.



### EES & BSA Series

Universal's EES (small bore) and BSA series are spark arresting combination silencers designed for industrial and marine applications where low noise frequencies dominate.



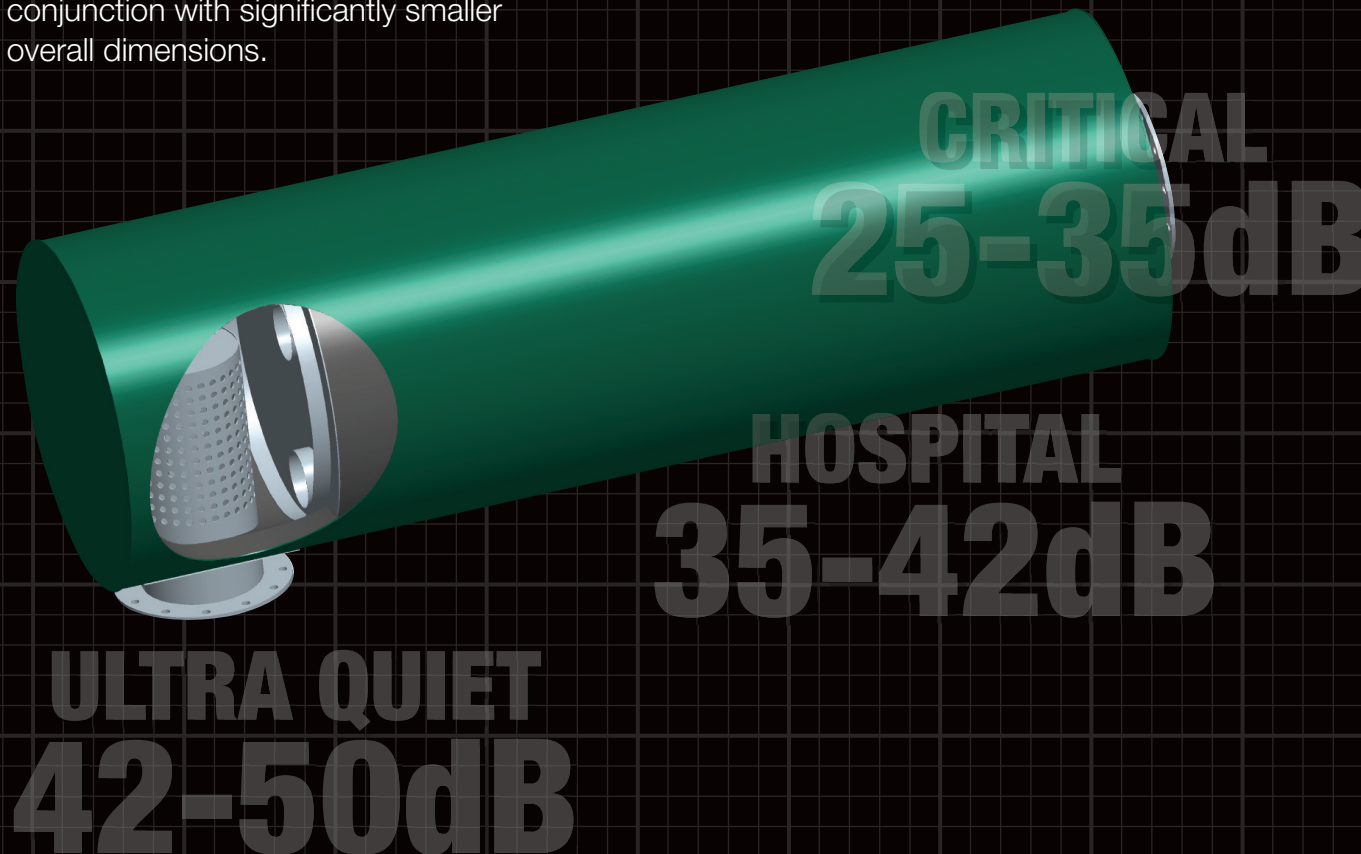
Universal's Spark Arrestors are approved for areas where emissions of exhaust gases are permitted on-board ships and mobile offshore units classed by:  
**Type: Det Norske Veritas**



## High performance combination silencers

### Quietshield™

Welcome to Universal's flagship range of silencers – Quietshield™ breaks all previous conceptions by providing better acoustic performance in conjunction with significantly smaller overall dimensions.



#### FEATURE

**35% better acoustic performance**

**20-25% smaller dimensions**

#### BENEFIT

Reduces chance of noise complaints  
Utilise a lesser grade of silencer to reduce costs  
Can fit into tightly enclosed packages and equipment rooms. Easier to install = less labour costs

*Our silencer ranges are available in a range of materials, finishes and configurations to suit your specific requirements. Contact us today for more information or visit*

**[www.universalsilencer.co.uk](http://www.universalsilencer.co.uk)**



# ***Your acoustic and emissions partner***

- **CLASS LEADING PRODUCTS**
- **INNOVATIVE DESIGN**
- **GLOBAL FACILITIES**
- **DEDICATED SUPPORT TEAMS**
- **RICH COMPANY HERITAGE**

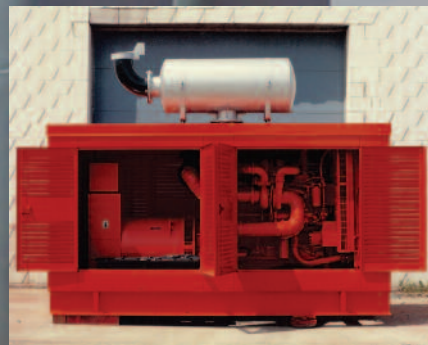
Contact us today to discuss your requirements:

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**F: +44 (0)1455 894477**

Or for more information please visit our website:

**[www.universalsilencer.co.uk](http://www.universalsilencer.co.uk)**



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