

# Industrial product portfolio

## Noise control and air filtration solutions

### VENT SILENCERS

Vent silencers are typically used in conjunction with relief or control valves on piping systems for compressed gases. Applications for vent silencers are in oil, gas, industrial, and chemical processing and HRSG systems. Dürr Universal's concentric annular ring design and the wrapped Acousti-Tube design offer a choice of silencer profile and configuration to meet site-specific requirements.

### BLOWER SILENCERS

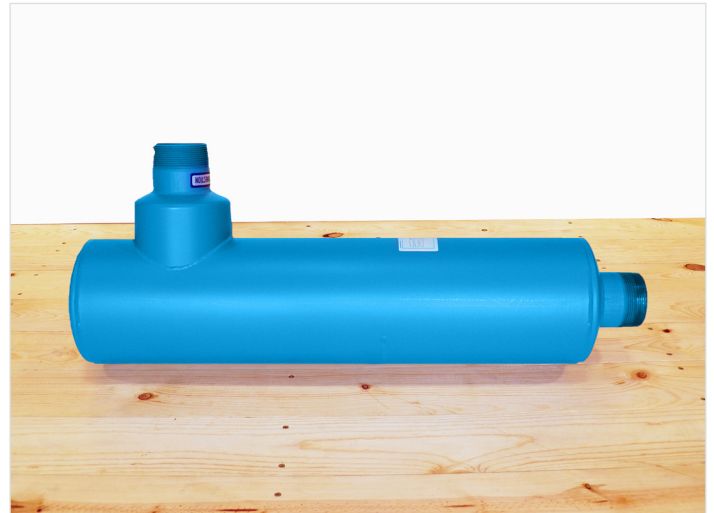
Blower silencers are required in many types of blowers (centrifugal, positive displacement, helicoil, two/tri-lobe). Rotary-positive displacement blower silencers are regularly applied to both the intake and discharge sides of the blower. Dürr Universal designs and manufactures absorptive (dissipative-type), multi-chamber (reactive-type) and combination (reactive/dissipative type) blower silencers to meet the specific noise requirements for each application in a wide variety of industries. Custom configurations and accessories can be added to any model depending on the project needs.

### ABSORPTIVE SILENCERS

Absorptive silencers attenuate mid- and high-frequency noise energy, such as the noise generated by high-speed centrifugal blowers, fans and compressors. Since noise is absorbed by the acoustically-packed, sound-absorbing media, absorptive silencers do not rely on internal baffles, tubes or other restrictive devices to achieve noise reduction. They generally employ a "straight-through" or similar internal design that cause minimal air-flow restriction.

### FILTER SILENCERS/FILTERS

Dürr Universal's filters and filter silencers are ideal for vacuum pump, blower, engine applications, centrifugal blowers and gas turbines. Offered in both cartridge and panel style designs. Panel filters are available with pleated cellulose media, felted synthetic polyester media, or crimped galvanized steel wire mesh. Cartridge style filters are available in pleated paper, pleated synthetic fiber and wire mesh media.



Dürr Universal SD series blower silencer.

### BENEFITS



[More than 65 years of design and manufacturing experience](#)

[Standard and custom-engineered solutions to meet site-specific requirements](#)

[A complete range of sizes, materials, configurations, and acoustic performance options available](#)

[Single-source supply](#)

[Global manufacturing and support](#)

[Global compatibility](#)

[Technical expertise backed by application experience across a wide variety of industries](#)

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### ENGINE SILENCERS

Dürr Universal's engine exhaust silencers are offered in a variety of styles and configurations, including cylindrical, puck and oval configurations. Engine exhaust silencers can also be designed to include emission reduction, spark arresting or pressure-relief capabilities. Applications include power generation, gas compression, engine test cells, marine (propulsion and generators), and locomotive. A full line of engine exhaust accessories is also available including insulation blankets, expansion joints, exhaust piping/connectors, rain caps and support brackets.

### VACUUM PUMP SILENCERS

Dürr Universal's vacuum pump liquid separator silencers are used to remove liquid from gas flow vacuum systems for either liquid-sealed rotary positive blowers or liquid ring vacuum pumps. An inlet separator provides corrosion protection for the vacuum pump by removing most, if not all, of the process liquid before it enters the vacuum pump. The vacuum pump or blower discharge is normally extremely noisy and requires a high performance separator silencer. Dürr Universal vacuum pump silencers meet the needs of these demanding applications.

### ASME CODE SILENCERS

Dürr Universal's pressure vessels and code silencers are manufactured and designed to meet ASME standards for fabricated metallic pressure vessels. Pressure vessels and code silencers can handle operating pressures ranging from 15 to 3,000 PSIG and are capable of handling hazardous or flammable gases. They are recommended for applications with vacuum exceeding 20 inches of mercury, and any non-code cylindrical industrial silencers can be modified to a code design. While commonly used on blowers, compressors, and vacuum pumps, they are also suitable for use with pressure-reduction valves and in-line filters.



Dürr Universal SU5 series absorptive silencer.



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