

Aetone 25.1

3 way passive, double ovoid configuration



Introduction

The new Aetone system represents a new line of high-performance products, compact in height, characterized by a double interconnected ovoid structure. Aetone is made of composite material, as is typical of our production. The surfaces are obviously very resistant. The transducers are a coaxial speaker and a woofer, both 8" with very high performance. It is an 8" coax with a 2.5" voice coil, with an inner tweeter on axis, with a 1.75" voice coil, horn loaded characterized by 70° conical dispersion. The low frequency is made by an 8" high-performance woofer, with a 2.5" voice coil, reflex loaded. As with Meses, we have paid great attention to the timbre of the system, decidedly refined to the point of making Aetone an important and versatile product, suitable for becoming both a DJ monitor system (left and right channels mirrored), as well as for sounding areas where it is necessary to have audio systems characterised by reduced total height, typically in private rooms of sophisticated clubs, where Aetone can be in a stand-alone version or, alternatively, with a subwoofer, to obtain extremely high sound pressure levels. Inside the system we find a 3-way passive crossover, extreme and typical of the uncompromising design of Pequod Acoustics. Obviously, according to our philosophy, we have managed to have refined timbre, very low perceived distortion, while having very significant expressed power values. In every situation it will be the creator of very high quality sound spaces.

Features

- High-end audio quality
- Perfect for private or enclosed areas
- Perfect adaptability to any musical preference
- Transparent and clear playback
- Heavy duty, highly resistant to scratches and bumps
- Weather resistance
- Built with high-strength and stiffness composite materials
- Easy to repair and maintain
- Cutting edge technical design
- Unbeatable lightness for easy transport
- Simple installation, either freestanding or suspended

Applications

- Dedicated single space, small footprint
- Limited interest space, like table dedicated audio
- Privé exclusive spaces
- Small club performance
- Small- scale events
- Sophisticated intimate live events
- DJ monitors
- HT systems

Max Size of audience within the range of dispersion

- Indoor 80 (alone without subwoofer)
- Outdoor 45 (alone without subwoofer)
- Indoor 160 (with subwoofer)
- Outdoor 80 (with subwoofer)

(Recommendations vary depending on the type of subwoofer)



Architectural Specifications

Built from high-quality composite materials. Heavy-duty, highly resistant to scratches and bumps. Highly resistant to rain and sun. All metal parts are built in stainless steel. The low frequency direct emission components are characterized by a light structure with a highly resistant ovoid shell containing an 8" woofer 8 Ohm 600W continuous power handling, sensitivity 94dB 1W/1m. The mid-low frequency direct emission component is characterized by a light structure with a highly resistant ovoid shell containing a 8" mid woofer 8 Ohm 600W continuous power handling, sensitivity 95dB 1W/1 m. High frequencies: inner horn equipped with an HF compression driver with high tech polymer diaphragm, 16 Ohm 100W continuous power handling, sensitivity 105dB 1W/1m. The loudspeaker system Aetone is managed passively by a specific inner crossover filter, 3 way. The frequency response of the system managed by the dedicated passive filter is linear and uniform, so it does not need equalization correction. Continuous power handling of the system with this passive filter is 700W 4 Ohm. Inner thermal protection device provided to avoid overdrive. Various mounting solutions are available for a variety of indoor or outdoor applications (see User guide).

Warning

This is a professional audio system with very high efficiency and sensitivity with acoustic emissions that could potentially cause hearing damage. Installation and use intended for experienced and qualified personnel. Safety DSP devices with a limiter function are recommended.

TYPE	3 way passive, double ovoid configuration
FREQUENCY RESPONSE	50 Hz - 18 KHz (-3dB)
TOTAL SENSITIVITY	94 dB 1W/1m with passive crossover
SPL MAX	120 dB with 700W
LOW FREQUENCIES	8" woofer @ 8 Ohm 600W continuous power handling each , sensivity 94 dB 1W/1m
MEDIUM FREQUENCIES	8" mid-woofer @ 8 Ohm 600W continuous power handling , sensivity 95 dB 1W/1m
HIGH FREQUENCIES	HF compression driver with high tech polymer diaphragm @ 16 Ohm 100W continuous power handling , sensitivity 105dB 1W/1m
NOMINAL IMPEDANCE	4 Ohm with 3 way passive crossover
POWER HANDLING	700W @ 4 Ohm with amplifier, 2 ohm stable
MANAGE	2 Ch amplifier to a couple of Aetone loudspeakers (pasive crossover provided, for each Aetone). If very high output is needed we recommend to use a DSP : High-pass filter @50Hz, 12 dB/oct. or higher slope. Otherwise as Satellite with subwoofer: Amplifier+DSP to match to subwoofer. High- pass filter @90Hz, 12 dB/oct. or higher slope. Inner thermal protection device provided, to avoid.
RECOMMENDED AMPLIFIER	2 channel amplifier, around 800W on each channel @ 4 Ohm stable
DISPERSION	70 deg conical
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Aetone is usually sold with these grids to protect the 8" woofer and coaxial ,as standard
CONNECTORS	1x Neutrik NL4 or custom preference
DIMENSIONS	(W) 730mm (H) 385mm (D) 450mm
(without support)	(W) 29 inch (H) 15 inch (D) 17.7 inch
WEIGHT	11 Kg (24 lb)

