

Flegonte 27.1

8" Acoustic suspension subwoofer



Introduction

The Pequod catalog is enriched with a new line of ovoid subwoofers, extremely compact, designed around 8" quality long-excursion transducers. Flegonte is the system based on a single 8" transducer. The ovoid structure guarantees extreme rigidity. Made of composite materials, it guarantees extreme reliability and resistance to impacts, scratches and atmospheric agents. The close correlation with the larger system, Borea, based on a 12" transducer, is immediately evident. In Flegonte we find the same characteristics, in relation to precision and extreme cleanliness of emission. Extreme control and absence of perceptible distortions are fundamental characteristics of the new Flegonte system. The chosen transducer is an 8 "long-stroke, extremely high-performance, with a treated and damped paper cone, with a generous ferrite magnetic system, and a 2" voice coil. The overall performance makes it suitable for small spaces where extreme quality is required in the reproduction of low frequencies. The system is extremely compact and suitable for placement in small areas or with irregular geometries. The typical aesthetics of our products also in this case allows us to combine elegance, compactness, rigidity and functionality in a quality system.



Features

- Strong impact from the visual point of view
- Special ultralight anti-resonance shell structure
- Excellent sound quality at all power levels
- Perfect adaptability to any musical genre
- Heavy duty composite construction, resistant to scratches and bumps
- Completely weather resistant (on request)
- Engineered for easy maintenance and repair
- Technologically advanced design
- Light weight for easy transport
- Simple installation and interface
- Customization of color and surface

Applications

- Small intimate spaces
- Small outdoor events
- Small-scale live events in need of a high sound quality

Max Size of audience within the range of dispersion for 2x Flegonte Sub

Indoor 40
Outdoor 25

(Recommendations vary depending on the type of subwoofer)



Architectural Specifications

Flegonte is a long excursion acoustic suspension subwoofer in an ovoidal axisymmetric closed structure. Built from high-quality composite materials, highly resistant to damage from scratches and bumps. Absolute resistance to rain and sun. All metal parts are built from stainless steel. Flegonte sensitivity is 89dB 1W/1m; the woofer is 8" (210mm), ferrite ring, 8 Ohm; 200W nominal power handling, 400W power on the continuous program is the recommended amplifier power to exploit, fully, the transducer without any clipping in the amplifier.

The Full-Fat audio FFA 4400 is the recommended amplifier for this solution.

Size of the public served in the range of dispersion: Indoor 70 (alone without subwoofer), outdoor 40 (alone without subwoofer), Indoor 140 (with subwoofer), outdoor 70 (with subwoofer).

(Recommendations vary depending on the type of subwoofer).

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	8" Acoustic suspension subwoofer
FREQUENCY RESPONSE	45 Hz – 1.5 KHz (-3dB)
TOTAL SENSITIVITY	89 dB 1W/1m
SPL MAX	114 dB with 400W
LOW FREQUENCIES	8" woofer @ 8 Ohm (or 4 Ohm) 400W continuous power handling, sensitivity 89 dB 1W/1m
NOMINAL IMPEDANCE	8 Ohm or 4 Ohm
POWER HANDLING	400W @ 4 Ohm with amplifier
MANAGE	2 Ch amplifier to a couple of Flegonte (stereo) + DSP to match to satellite. High-pass filter @40Hz, 24 dB/oct. But; Low-pass filter @100-120Hz, 24 dB/oct. LR
RECOMMENDED AMPLIFIER	Full Fatt Audio FFA 4004
DISPERSION	Omnidirectional
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Flegonte is usually sold with these grids to protect the 8" woofer, as standard
CONNECTORS	1x Neutrik NL4 or custom preference
DIMENSIONS (without support)	(W) 385mm (H) 385mm (D) 440mm (W) 15 inch (H) 15 inch (D) 17.3 inch
WEIGHT	5.5 Kg (12 lb)

