

PROGRESSION MONOBLOCK AMPLIFIER



THE PROGRESSION MONO DESIGN combines two normally exclusive traits—remarkable power output and exquisite musical finesse. Power is essential to realistic sound reproduction. The Progression mono amplifier is the largest and most powerful the company has made, delivering 500 watts into 8 ohms, doubling to 1,000 watts into 4 ohms and doubling again to 2,000 watts into 2 ohms. Of course, it will play loud, but it is speaker driver control that is the most important aspect of this awesome power capability.

The Progression circuitry borrows greatly from our Momentum amplifiers. Its design couples our core circuit topologies and introduces a new Dan D'Agostino Master Audio Systems topology, the Super Rail. Simple in description but complex in execution, the Super Rail, counterintuitively, uses additional higher voltage power supplies in the input stage than the main output stage. This higher voltage front end provides exceptional headroom for the output circuitry. Nearly ideal output stage operation results. It employs a fully complementary driver stage, outfitted with 84 output transistors—42 for the positive signal and 42 for the negative signal, a nearly 3,000 VA power supply transformer, and 400,000 microfarads of power supply storage capacitance.

The iconic look of the Momentum amplifiers' power meters, inspired by the elegant faces of classic Swiss watches, continues with the Progression series. The Progression mono amplifier features a new meter design with a 90-degree needle swing, driven by a high-speed ballistic circuit that enhances the meter's responsiveness. The longer swing allows the needle to cover the amplifier's entire output range.



THE VENTURI-STYLE HEATSINK DESIGN premiered in the Momentum amplifiers has been adapted to the cooling needs of the Progression mono amplifier by enlarging the row of openings to each heatsink. Each heatsink is milled from a single, 48.5-pound (22-kilogram) aluminum billet. Pictured in silver, the Progression mono amplifier is also available in black. With virtually unlimited power output, the Progression Mono delivers intimate musical details, three-dimensional sound staging, and startling dynamics not possible from less capable designs.

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SPECIFICATIONS

<i>Power</i>	500 watts @ 8Ω 1,000 watts @ 4Ω 2,000 watts @ 2Ω
<i>Frequency Response</i>	1 Hz to 200 kHz, -1 dB 20 Hz to 20 kHz, ±0.1 dB
<i>Distortion (800 watts @ 8Ω)</i>	0.15% @ 1 kHz
<i>Signal-to-Noise Ratio</i>	105 dB, unweighted
<i>Input</i>	1 balanced XLR
<i>Input Impedance</i>	100 KΩ
<i>Output Impedance</i>	0.15Ω
<i>Dimensions (h x w x d)</i>	18 x 20 x 7.5 inches / 45.7 x 50.8 x 19.0 cm
<i>Weight</i>	125 lbs / 57 kg