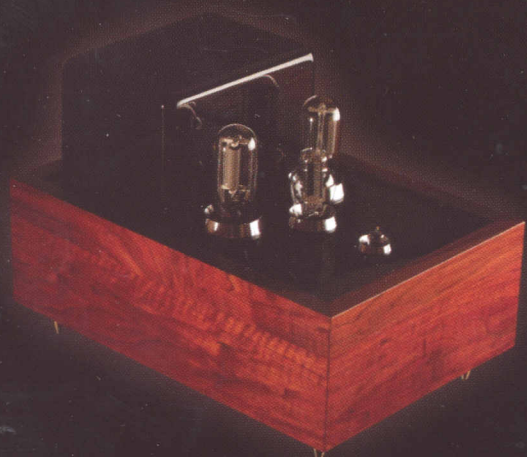




Chalice *Audio*



“Where Tradition Meets Art”

*C*halice Audio is located near the beautiful Blue Ridge Mountains in Lynchburg, VA. We design and manufacture state of the art, custom, vacuum tube audio gear. We believe that the traditional manufacturing approach of point to point wiring, transformer coupling for each stage, discreet filament transformers, and choke input power supplies, while time consuming and expensive, is the optimal solution to achieve the best sound. In addition, we strongly believe that a piece of premium audio gear should look like a work of art, not a piece of industrial machinery. **The best in audio design is realized when tradition meets art.**

Our primary focus is on designing SET amplification that can effortlessly drive a wide variety of speakers (even low efficiency designs). After more than 6 years of research and development we are proud to introduce **Chalice Audio's Grail SET Monoblocks** at this years Rocky Mountain Audio Fest!

See Reverse For More Details ▶



"Where Tradition Meets Art"

The Grail SET Monoblock Amplifier



The Grail amplifier is a pure single ended, class A operated design in mono block configuration. It features one 5687 input tube, a single 300-B driver tube, and a pair of venerable 845s that run in parallel as the output tubes. Each stage is transformer coupled to provide excellent, low D.C. grid resistance. This results in the lowest possible distortion into each stage. The input stage features an input transformer providing 100 % voltage gain and ground isolation between the amps input and all preceding audio equipment. All signal transformers are custom, double C core designs that provide a precision sound stage with the clearest depth of field possible. The driver and output stage are run with fixed biasing to provide low distortion and filament start up protection.

Power is delivered via five discreet power supplies. The input-driver and output power supplies utilize full wave bridge rectification with choke inputs, to a PI network for filtration. Choke input power supplies are used throughout this design. Choke input supplies, while expensive and more time consuming to design a circuit around, are considered by many to be the best option when sound quality is of ultimate importance. The output and driver filament supplies are DC and heavily filtered to prevent AC ripple from coupling to the electrodes of each stage. The often under-appreciated biasing supply also receives a full wave bridge rectifier and PI filter. Each respective stage includes a driver and output section 10 turn biasing potentiometer for easy adjustment of operating idle current. All signal supplies use high voltage polypropylene capacitors for optimal noise rejection and frequency response. High quality electrolytic capacitors are used in the biasing and filament supplies.

Specifications

CIRCUIT TYPE
Single Ended Class A

POWER OUTPUT
50 Watts RMS into 8 Ohm Load

INPUT SENSITIVITY
1.5 Volt for full output

HUM and NOISE
-90 dB below Full Output

FREQUENCY RESPONSE
20 Hz-25 kHz +/- .5 dB

AC POWER REQUIREMENTS
117 Volts

POWER CONSUMPTION
400 Watts

TUBE COMPLIMENT
1- 5687 Input Tube
1- 300-B Driver
2- 845 Power Triodes

AC CONNECTION
IEC Detachable with fuse

INPUT CONNECTOR
WBT RCA Type

OUTPUT LUGS
WBT Speaker terminals

DIMENSIONS
15.75"W-22.75"D-16"H

WEIGHT
150 LBS.