AUDIO VALVE

YOUR QUALITY CLAIM IS OUR MISSION
RKV 2

Tube amplifier for dynamic headphones – preamplifier and power amplifier at the same time. Up to now the RKV Tube amplifier for dynamic headphones – preamplifier and power amplifier at the same time. Up to now the RKV (tube amplifier for dynamic headphones), developed and admitted to our distribution in 1982, is by far the most successful tube amplifier in our product range.

Traditional Tube technology has been abandoned and replaced by completely unorthodox approaches to create a concept which is still unique in the amplifier fabrication. Also it has not been resigned latest semi-conductor technology and so a product occurred which reflects 70 years of electronics. The German patent office has secured this idea 1984 with the number DE 3200 51.

"Why headphone amplifiers" – so the Reader might ask. "Doesn't my output at the receiver suffice?" The answer is simply No. Good, dynamic headphones have a high impedance. For high dynamic jumps, e.g. from CD-Players, they require much higher voltage levels than the supply voltage of transistor amplifiers, which would otherwise be a possibility. The same applies to Hi-Fi systems. So it was one requirement for the amplifier to bring high levels. Moreover it was important to achieve short-circuit strength and excellent technical data, under the special note of tube sound. The existing concept possesses all this qualities.

By reason of the conformation to high terminating impedances the OTL principle has been appropriated. This concept is geared now to the classic example of the so-called transformerless power amplifier. With the help of semi-conductor technology it has proved to be a felicitous symbiosis of the last 40 years electro-physics.

Also all negative existing aspects of the tubes, like weathering and tolerance hum, had to be eliminated. The RKV-electronic manages this problems effortlessly. An Op-Amp in the signal path creates a servo circle that compensates all above mentioned negative characteristics of the tubes.

tech. description:

OTL - transformer outless tube amplifier
double mono construction
Alps volume control
1 pair 6,3 mm stereo jack for headphones tubes: 4 * PCL 805 (PCL 85 or 18 GV 8 - german old TV "vertikal" ampl. tube )
power output: each channel 3 watt SINUS, ( between 100 to 400 ohm loads )
bandwidth: 15 - 100 000 hz
damping 3600 !
distortion 0,002 % at 1 Watt-200 Ohm load
max. output voltage 80V
sens. 0Dbm
IC - full autom. - controlled bias
class - a
power consumption min. 60 watt
size 360*200*120 mm (d.w.h.)
weight 6kg
patent full automatic servo tube biasing
ADDITIONAL: VERTO box for electrostatic headphones like STAX and KING Sound
RKV 3

Tube amplifier for dynamic headphones – preamplifier and power amplifier at the same time. Up to now the RKV Tube amplifier for dynamic headphones – preamplifier and power amplifier at the same time. Up to now the RKV (tube amplifier for dynamic headphones), developed and admitted to our distribution in 1982, is by far the most successful tube amplifier in our product range.

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Klang


FEATURES:

- consequence double mono design
- multi VIA layer grounding basis, pcb design is based on the theoretical principles of the "kelvin - wiring"
- heavy 3 mm laser cut steel case - coated clipping indicator (show you faulty tube or overload)
- 8 power tubes (8 per channel) - PCL805
- full automatic DC / AC servo biasing
- multi match transformers (PIKATRON) included
- power output mode selector - OTL / match - transistors
- ALPS volume control
- BALANCE pot. +/- 3dB

- 2 * NEUTRIK output combi headphone jacks - 6,3mm & XLR
- 5 * inputs; 2 * RCA & XLR; 2 * RCA only; 1 * RCA phono MM out
- 1 * RCA - REC output, offer all connected sources and PHONO too for sec. line (pre) amps
- 1 * pair XLR jacks for “power out” for power amps (OTL output ratio: 10:1)
- 4 * isolated heavy gold plated stereo speaker terminals for speakers

- green illuminated main power switch for power ON mode
- heating and plate voltage “soft start” circuit
- headphone protector circuit
- reversible heating / plate current limiter
- installed selected OPA 134
- highly accurate implemented stereo MM phono modul - “old school design”

OPTIONS:

1 - case color: standard - black or silver
2 - “limited EDITION ivory white colored case” - hand selected parts < 1% tolerances and a
Der Audio Valve Luminare ist aktuell schlicht einer der besten DAC/Kopfhörerverstärker der Welt. (Dr. M. Mertens)

The story of LUMINARE.

I do not really know why I have driven this project forward not many years ago. I think I was busy with a lot of other developments as well as trivial things like earning money for example. Perhaps mine is simply unaware that their headphones and amplifiers are experiencing a large hype for years. Anyway, the beginning of 2014 resulted in discussion with colleagues that I would have some products in my program that seemed almost ideally suited to put with the requirements of the headphone market apart. No sooner said than done. First, the IMPEDANCER befell a technical revision, it was expanding the range of applications for the RKV Mark 2 significantly, especially as a female teflon connector for headphones STAX was interalternates. The bias voltage was obtained from the voltage signal, so no external power supply is in advance required. VERTO was born and VERTO laid the foundation for all further considerations in this topic, culminating now in the product with the name LUMINARE.

I can excuse at this point only for me actually that I started so fundamentally important development in the headphones sector so late (I slept through) and had thus deprived the public a potentially groundbreaking product. Many of you have their money invested now possibly poorly because there was nothing else on the market - that really am sorry. But now back to Luminare. It seemed to me as the basis for such a project, the OTL circuit of the RKV downright awesome. First, they had already claimed stable over decades in the market and on the other they had characteristics that should prove to be just the Luminare be extremely efficient and more full development. There would be for example the superior damping factor, low internal resistance, high bandwidth, and not least the low harmonic distortion he always particularly distinguished the RKV. Now it was in principle "only" about output transformers so be interconnected in the OTL principle, which can be obtained if possible upright with transformer all these benefits. The advantage to couple a output transformer to an OTL circuit is that the repercussions and influences on the circuit itself (either headphones or transformers) are considerably lower. And this brings a projection on presence in the music, the listener will appreciate very quickly. Everything else on this project was for me then just "routine". A new circuit board develop, expand the circuit according to the light of all electro - physical principles and my over 45 years of experience in this topic. And ladies and gentlemen, I am more than satisfied with my work, I hope you are there also - Helmut Becker

technical features:

- Power consumption: 100 VA nominal - 120 VA full load
- Power switch ON / OFF
- Headphone protector
- 3 mode tube amplifier: [TRANSFORMER - OTL - STAX]
- +10 dB switch for STAX - mode
- 450 VAC output signal in STAX mode
- 2 x watt in OTL mode - [200 ohms load]
- 2 x switchable inputs 1+2
- Input 1: set XLR jacks with parallel RCA
- Input 2: RCA only 2 pair jacks as signal IN / OUT loop
- 1 x RCA PRE - OUT, 10 :1
- 2 x NEUTRIK Combo jacks 6,3mm + XLR
- 1 NEUTRIK 4 pin headphone jack
- 1 x STAX Teflon female connector
- 1 x ALPS Potentiometer with remote
- and more...

In summary, this means:

Thus is LUMINARE the ONE AND ONLY headphone amplifier on the market that is able to drive all standard headphone loads, starting from 3 ohm up to 145.000 ohms.
Based on the concept of LUMINARE, the form and equipment of SOLARIS has been adapted to RKV 3. In addition to extended equipment features like BALANCE – control, more inputs and a remote control which has been integrated for VOLUME, the front plate of SOLARIS now has the same connection options as LUMINARE while offering twice the performance on all outputs which on average is 8 to 11 Watts per channel, depending on the headphones’ impedance.

SOLARIS is the logical synthesis of LUMINARE and RKV 3 and reflects perfectly what the AudioValve team defines as "STATE OF THE ART" product in the premium class of headphone applications when talking to a number of customers worldwide.

SOLARIS can be updated and equipped with DAC and is then called “SOLARIS – DAC”.

SOLARIS is available in black and ivory (with surcharge), combined with golden or chrome control knobs.

techn. description:
OTL - transformer outless tube amplifier (design 1982)
double mono construction
power output: each channel 12 watt sin at 220R load in OTL mode
bandwidth: 15 > > 100 000 Hz
damping 3600
s/n ratio 100 dB
distortion 0.002 % at 1 Watt 200 Ohm load
max. OTL - mode: output 120 VAC, eff
max. STAX - mode: output 480 VAC
Gain: OTL mode 34dB, STAX +12dB by output transformer ratio
Gain switch for all modes: + 8dB
input sensitivities: 0dBm, resistors 47k
Bias voltage: 380 + 580 VDC
IC - full autom. - controlled bias - class - a mode
patent full automatic servo tube biasing
power consumption min. 100 watt
size 360*320*140 mm (d.w.h.)
weight 16kg
green illuminated main power switch for power ON mode
heating and plate voltage "soft start" circuit
headphone protector circuit
reversible heating / plate current limiter
installed selected OPA 134
highly accurate implemented stereo MM phono modul - "old school design"

OPTIONS:
1 - case color: standard - black or silver
2 - "limited EDITION" ivory white colored case - hand selected parts < 1% tolerances and a lot of more expensive specialities
ASSISTENT 30 & 50

By popular request of the AudioValve Fan Community, AudioValve proudly presents a succession model within the Assistant series, the Assistant 50. Here the experience of 10 years production is combined and provides the basics for a completely new technological and optical design. We have to thank you, dear fan community, it is owed to your loyalty to the product that we at AudioValve did not avoid expenses nor troubles to develop a new unit based on the basics, which allows for your demand for “more performance and comfort”. Several reports around the globe document time and time again the excellent sound performance of the sophisticated construction of previous Assistant series. Just like before, today power tubes type QQE are employed, but now 8 tubes – four per channel, developing full 2 x 50 Watts, reflecting a sound transparency that was and still is proverbial for this series. True to the slogan: “Once Assistant - always Assistant.” Besides all the technological innovations, especially the casing design offers several surprises. No controls on the front panel, 3D-lasered and lit writing in the amplifier’s transparent front look hardly show, what wave of innovation forms the basis of the product and will give you the expected joy for many years to come. With these features AudioValve without doubt is again trend-setting.

**technical features (model 30 & 50)**

- Push-Pull 2 x 50W Sound, Stereo Tube Integrated Amplifier
- Pure Class A operation - high precision full automatic bias adjustment
- NOS SIEMENS germany military high grade power tubes 8 pcs. QQE 03-12
- input tubes: 2 x 12AU7, 2 x 12AX7
- main voltage: 110 V - 240VAC
- Frequency: 20Hz-50KHz +/- 3 dB
- Signal/Noise Ratio: 90dB
- ALPS volume control pot
- Distortion: less than 1% at full power
- Input Jack: 5 pairs cinch, switchable
- REC - out
- burn in time: 50-100 hours
- Input Consumption: 200W
- Size Dimension: 220 mm wide x 360 deep x 230 mm high
- Weight: 12kg

**Best of all:** Germany’s best address for output transformers - Pikatron - in collaboration with Audio Valve develop the ultimate higend output transformer designed for the Assistant 30 + 50 and gives the amp a superior sonic and hightech measurement characteristics.
A reissue of the well-known Assistent 100 with 6C33 is the successor model with the designation Assistent 100 - Mark 2. With this decision and the fact that we can not recomment the 6C33 after long experience as the non plus ultra for the audio range has us to implement this update. This decision has not been easy for us, but a lot of money has devoured itself in the development. Nevertheless, we also wanted to take account of the technical requirements and the 6C33 could not fulfill our wishes.

With this update Mark 2 comes a Russian tube with the name GU50. In Russia, this tube is legendary and the best thing about it is that it has been produced in the same place in the same quality. The problem of European tubes is that of the same type - e.g. EL34 in a number of different tube factories in Europe. That it was EL34 on it, each work never gave the same data as the competition. This led to large specimen scatterings within a series of types and then caused problems when replacing in an amplifier.

With the GU50, this is quite different, in principle we paid too little attention to the Russian tubes, our conclusion - they are all better than their reputation.

After Prometheus begins to prove itself in the clientele, it was close to two of these manboards in a full amplifier to integrate and Assistent 100 Mark 2 is the result. We are much more than satisfied with the results - both in technical and musical terms. Assistent 100 Mark 2 has the power to become a popular force and is forward-looking. Apart from the conventional inputs, they offer a built-in phono module for MM and loud MC systems (transistor old school art) and optional furthermore our DAC can be implemented as an option, this making Assistent 100 Mark 2 an all-in-one multitalent that is equipped with all future-oriented devices. A remote control is also standard.

:: Specifications ::

- Power supply: 100 up to 250 VAC
- Power consumption: 400 VA
- Concept: PP
- Distortion: on 8 ohm load 0,15% - 1Khz (80 watt )
- full dynamic automatic biasing for power tubes
- Power output max: 120 Watt (30 Veff on 8 ohms )
- Damping: 5
- Tubes: 2 * 12AX7, 2 * 12 AU7, 4 * GU50
- Bandwidth: 10hz – 45khz
- S/N ratio: -78 dbm
- Gain: 25 db
- Inputs: RCA and XLR (only + phase )
- Input resistance: 47k
- Speaker terminals: 8 ohm
- remote control
- output meters
- phono section inside
- Weight: 25 kg
- Size: 55 x 45 x 18 cm (WxDxH)

OPTIONAL: DAC implementation
SUNILDA

A Spectacular Class A

The only tube phono stage from the world reknown AudioValve Germany products range. Stereophile recommended component. "Germany’s AudioValve is building some of the finest and affordable tubed products available today. The Sunilda is a great example.

Loaded with features, beautiful sonics, and a price that makes this phono stage a veritable bargain in the context of its' competition. The Sunilda uses 2 (two) 12AX7 and 6922 each making it a tube roller's delight. Personally, I've used Telefunken, Siemens, Mullard, Ampex, and RCA among others. The many different combinations of tubes make for an unlimited number of possibilities you might find satisfying. I've been listening your Sunilda you'll be hard pressed to buy more for its' price and perhaps even a couple thousand more. Inputs for 2 MC or 2 MM cartridges at the same time; ideal for the enthusiast with a 2 tables or a table with dual tonearms. Front panel controls for loading and capacitance. External power supply for superior isolation and on and on. The Sunilda is one terrific value."

The tubed Sunilda offers two independently configurable single-ended inputs selectable for MM or MC and adjustable for resistive and capacitive loading. The dual-mono circuit uses pairs of 6922 and 12AX7 tubes in a three-stage configuration; high-quality parts are used throughout and signal paths are kept short, all but eliminating any point-to-point wiring. The Sunilda sacrificed bass extension and slam for "well-saturated harmonic colors and three-dimensionality," said MF. "The AudioValve Sunilda is one of the most enjoyably tube-based phono preamps I've heard." (STEREOFILE - Vol.32 No.12)

Technical Specifications:

Gain: MM 41dB, MC 63dB (1 kHz)
Input selectabe LOAD resistors: 47 R, 100 R, 220 R, 470 R, 1 K, 47 K (for MM)
Input selectabe LOAD capacitors: 0 p, 100 p, 220 p, 470p, 1000p, mc.
Frequency Response: 20Hz to 65 KHz +/- 3 dB
Subsonic filter roll-off: 20 Hz
Max output amplitude: 14V pk
RIAA accuracy max.: +/- 0.15dB
Distortion: MM 0.24 %, MC 0.32% (1kHz - 2V out)
Noise: MM - 63dB, MC - 73dB
Circuit type: 3 stages single ended, buffered outputs
RIAA network: passive
Tubes: 2 x 6922 (6N1P), 2 x 12AX7
mode functions: Stand - by and mute functions
Power supplies: high accuracy solid state regulated
Power transformer: outside hosed and shielded
Power requirements: 115/230 - 245 Ac - 50/60Hz
Powerconsumption: Watts: 50 VA
Dimensions: cm, W x H x D :42 * 320 * 130 mm
Weight Net: 15 kg

Concept: high class double mono pre-amplifier in SE - technology
Output Level: 15 V max.
Power Bandwidth: 4 - 100,000 Hz.
Distortion: 0.02 % (1V)
Noise: 0.05 mV (Volume noise limiter/Inputs: 7 Line In, & 1 Line Out, tape loop
Output Impedance: 300 Ohms
Power Consumption: 40 Watt
Line Voltage: 117 up to 240 VAC
Valve Line - Up: 4*6L6G (12AU7)
Spec. Features: Stand By & Mute Function, rem. - Control
Dimensions: (w-d-h) 420 * 320 * 130 mm
Weight Net: 15 kg

ECLIPSE

The Eclipse is AudioValve first product, which is the result of the experience gained in preamplifier design over a span of 30 years. In every aspect it is quite different from other Audio’ Valve products. Our absolute priority in the design of the ECLIPSE was total shielding from RFI and unwanted noise which could degrade the purity of the signal.

The chassis is, therefore, machined from laser cut 5mm steel fully isolating its 4*12AU7/6189 tubes. The circuitry is housed on a double-sided circuit board designed by the most advanced computer technology. The ECLIPSE is a true class A line stage pre-amp. Designed for the audiophiles who want pure analog with the highest quality sound available, without the price of one. All that combined with the 1% film resistors, Draloric NCS carbon resistors, polypropylene caps and built on a solid FR4 material with Military specs PC board, 2 oz copper. The Eclipse components are soldered by hand and all matches to perfection between the left and right channels. Audio and power traces are separated from each other by lanes and blocks of ground. Alps motor pot is used for volume control mounted on a PC board, like wise input selector and volume control by hand or remote controlled The quality of sound is a dream come true, with a true 3 dimensional sound. Where the depth of instruments and their location, the warmth and transparency puts you in a world where only few have been. You will discover that your music has details that were held back and now are being revealed. ECLIPSE is a SE - design.
The AudioValve team is proud to present – just before the end of 2007 – a further superlative product, the CONDUCTOR. Besides ASSISTENT 50, CONDUCTOR is the second product rolled out by AudioValve within a year. The quality of this new and unique product reflects the confidence of our customers and importers alike, without whose innovative contributions this product could not have been realized. Our special thanks go to all of you. Experience of two decades forms the constructive background of CONDUCTOR. A whole range of innovations and features of the valve and processor age be found in CONDUCTOR and manifest in a symbiosis of traditional and modern technology unique musical qualities while setting new highlights. CONDUCTOR is not for John Q. Public; CONDUCTOR is for all those, who, believing in a change of their equipment in search for even better music reproduction, found - CONDUCTOR. CONDUCTOR becomes the zeitgeist of the elite, who always had high demands – even in music.
Prometheus 100 - a new audio star by AudioValve - is ready. Prometheus is the successor of Avalon, which we have produced over 20 years. Prometheus has technical features that are currently standard in AudioValve amplifiers. For example, each of the two Russian GU50 power tubes is equipped with fully automated bias regulators per channel and is technically of a quality that is unique to the market. The tubes operate in the optimum operating bias current point under all conditions.

We use the same musical driver in Prometheus, which we already use with distinction in the Assistant 50 (6moons review 2017). Prometheus in a coherent concept and combines, in addition to technical refinement, musical reproduction at the highest level. We recommend loudspeakers from 90 dB efficiency to play all the advantages of the amps.

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**Specifications**

- Power supply: 100 up to 250 VAC
- Power consumption: 200 VA
- Concept: PP
- Distortion: on 8 ohm load 0.15% - 1Khz (80 watt)
- Full dynamic automatic biasing for power tubes
- Power output max: 100 Watt (30 Veff on 8 ohms)
- Damping: 5
- Tubes: 1 * 12AX7, 1 * 12AU7, 2 * GU50
- Bandwidth: 10hz – 45khz
- S/N ratio: -78 dbm
- Gain: 25 db
- Inputs: RCA and XLR (only + phase)
- Input resistance: 47k
- Speaker terminals: 4 + 8 ohm
- Weight: 12 kg
- Size: 30 x 22 x 25 cm (WxDxH)
The CHALLENGER series of monoblocs are the foundation of the AudioValve range of amplifiers, which have been refined and perfected since first introduced in 1987. The CHALLENGER is unique in so many key areas. For example, it can use KT-88s, 6550s or EL-34s with equal ease as power tube. And depending on the tube used, its output can range from 110 wpc to as high as 180 wpc. This is made possible by our revolutionary and proprietary ABR circuitry, which monitors, biases and controls each tube independently in the most AudioValve power amplifiers. This feature allows the use of any of the mentioned tubes or, indeed, a combination of any of the three. This redefines in a truly innovative way the concept of "plug and play." It also makes tube replacement very economical, as there is no need for costly and exotic tubes which have to be matched in order to get the best sound from the amplifier. Another truly impressive details. That is, the circuitry is totally balanced from input right to output terminals. All of this means the CHALLENGER can drive any speaker on the market, from conventional drivers to exotic electro-statics and ribbons, with complete ease. The most recent affirmation of the beauty and prowess of this truly unique and great amplifier came in the November 1999 issue of The Absolute Sound, one of the most respected industry magazine in the world. AudioValve Challenger combine also excellente with electrostatic speakers.

prinzip: full symmetrical push-pull power amp

tubes: 2*12AU7, 1*12AX7, 6 x power pentode EL34
operate: class - A
power output: 115 up to 180 Watt
power consumption: 320 Watt - Stand by mode - 80 Watt
max. short circuit current: 70 ampere between 2 ohm terminals
input sens.: 0 dBm
input imp.: 2 * 47K
output impedances: 2 - 4 - 6 - 8 ohm
connectors: XLR & RCA input-jacket
power bandwide: 5-80,000 hz
distortion: 0,3% - 50 Watt (8 ohm load)
damping: 5
bias: autom. contolled with "ABR" for all power tubes
size: 43*28*24 cm, D-H-W
weight: 48 pound
stand-by mode: switchable  

Available models:
CHALLENGER 115; 4 powerube EL34 - 115 watt output
CHALLENGER 180; 6 powerubes KT100 - 180 w output
Challenger 250

The Challenger 250’s are high-performance power amplifiers with intelligent Power Management that provides a unique listening experience. They are a continuation of our successful Challenger series (115, 150 and 180) of mono blocs first introduced in 1987. The Challenger 250’s achieve a new level of definition and perfection in quality of sound. Like all AudioValve amplifiers, the Challenger 250’s attract attention through innovative technology, beautiful design and accurate circuitry. All AudioValve amplifiers are handcrafted products, produced with accuracy and precision.

The Challenger 250’s combine many advantages. The revolutionary and proprietary ABR circuitry, developed in-house, supervises, affects and controls each KT90 tube independently. All Challenger 250’s are delivered with KT90 tubes, which may be replaced with pin-compatible Beam-Power pentodes – the ABR sets up the correct bias-current automatically. This allows the customer to use whatever tube creates the best sound for him/her. Another awesome convenience is that the circuitry is totally balanced throughout, which makes it possible for these amplifiers to drive all sorts of speakers, from normal drivers to exotic electrostatics and ribbons. The Challenger 250’s are particularly suitable for large speakers in big rooms. Enjoy the sonorous sound and the authentic replay that they achieve! No matter which kind of music you prefer, the Challenger 250’s are flexible and multi-functional. These amplifiers turn every kind of music - Heavy-Metal, Pop, Rock’n’Roll, Classical - into something special.

:: Specifications ::

Power consumption: min. 150VA - max. 900VA
Output: 300 Watt sin, 350 watt – RMS
Damping: 8
Tubes: 1 * 12AX7, 2 * 12AU7, 6 * KT120
Bandwidth: 15Hz – 85kHz
S/N ratio: -69 dbm
Gain: 28 db
real full symmetrical XLR and RCA inputs jackets
Input resistance: 47k
Speaker terminals: 4 + 8 ohm
Weight: 30 kg
Size: 42 x 40 x 20 cm (WxDxH)
CHALLENGER 400

offer you everything that the Challenger 115 and 150s offer only they act like they are on steroids and produce an astonishing 480 wpc. Even with this brute power the AudioValve 400s are smooth and can artfully handle even the most demanding musical passages that can be fed thru them. They throw a sound stages wide as a football field and as deep as bowling alley. This is twelve tub Ferrari with after burners and auto bias regulators that epitomize the term plug-and-play. There is no need to tinker with screwdrivers to set the bias of this amplifiers, the Auto Bias Regulator does everything for you. Plug this brute in and turn it on and let the music flow as it turns you on. If only the best will do then the AudioValve Challenger 400s are for you. The more worse the degree of efficiency of the loudspeakers, the more higher amplifier engine outputs are needed. The best example for this are e.g. the electrostatic loudspeakers designed by the company "Sound-Labs" from the USA. These loudspeakers, by the way one of the best in the High End Market, have a 90dB degree of efficiency, depending on the particular model. In the worst case they bring an output of 10uF at the terminals, which shows us clearly that the charge reversal of such output dimensions is only possible with an adequate electricity of the amplifier. The Market faces this fact with big transistor power amplifiers, but nevertheless a big number of them failures on the complex demand - not to mention the poor sound impression. This is the reason for the necessity of developing a high-power amplifier that not only handles the existing problems without difficulty, but also supplies an excellent sound impression.

technical features:

- construction: symmetrical push-pull power amp with parallel-symmetrical-cross-coupled input - and driver stage.
- tubes: 2 * 12AX7, 1 * 12AU7, 1 * 6L6 80, 12 * beam power pentode KT 120
- operate: class - A
- power output: 450 watt sinewave, 650 watt peak
- power consumption: 800 VA (Max. 2000 Watt. - Stand by mode - 200 Watt
- max. short circuit current: 1,00 ampere between 2 ohms terminals
- input sensitivity: 0 dBm
- input impedance: 2 * 47K
- output impedance: 2 * 6.8 ohm
- connectors: real balance XLR & RCA input - jack socket 
- power bandwidth with load: 3 - 45,000 Hz (6 ohm load)
- distortion: 0.3% - 100 watt, 2% - 450 Watt
- max. cap. - load: 15 uF
- bias: automatic biasing by AudioValve's "ABR" for all power tubes
- size: 25 * 42 * 38 cm, D-H-W
- weight: 65 kg
- Stand-by mode: switchable
- music level control by magic eye, LED amplifier functional front monitoring.
**BALDUR 70**

During the CES show in Las Vegas 2003, the need for a smaller version of Baldur 200+ became apparent. Size and price were main cause for the search for an alternative consumers entrance into the ‘world of BALDURS’! Thus said and done, AudioValve can offer you, as shown in the accompanying illustrations, the final developments and esthetics of BALDUR 70 ("baby-baldur"). World premier performance was at the ‘High-End-Show’ in Frankfurt-Germany, Summer of 2003. Like in all AudioValve’s larger model power-amps, our proven fully automatic bias regulator –Short ABR- at the powertubes, also appears here in the power stages of BALDUR 70. This is world wide unique and this feature is a ‘must’ for relevant tasks to stabilize the bias of the power valves and actually belongs standard into 21st century tube-technology - at least with AudioValve!

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**Jean Hiraga**

Le test des blocs monophoniques Baldur 70 testés il y a tout juste un an nous avait enchanté, leur prix ne dépassant pas 4 000 € la paire les propulsant dans le peloton de tête des meilleurs affaires en matière d'amplificateurs à tubes alliant générosité de la puissance disponible (60 W RMS) et qualités musicales dues à l'utilisation optimale des douze tubes 6AS7G. Sur cette série limitée, la beauté, le raffinement des timbres, de même que le naturel de la scène stéréophonique se hâteraient encore plus haut tout en se référant à la même politique sonore. Les quelques 240 W RMS disponibles apparaissent sur les voix, sur le piano comme sur les sons les plus variés une matière sonore, un sons encore plus palpable, comme sur les Baldur 70 mais en mieux partout. L'équilibre spectral apparaît très légalement descendante vers l'aigu n'a rien d'un défaut. On s'y accoutume si bien que le retour à des écouteurs courantes semble tendre vers une sorte de luminosité excessive. Une réussite totale à un prix étudié qui aura charmé les mélomanes.

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**Baldur 300**

We are very proud to present you our latest innovation, the Baldur 300 superior. More power, more quality, more music enjoyment. This highest - class product emphasizes the excellent basic properties of the Baldur 300 even more. Provided with a first class high capacitive condenser bank and a premium high accurate output multilayer transformer with access for 4, 6 and 8 ohms this unit is more than first - grade. The multiplicity of accesses offers new possibilities in the use of different speakers and provides an even bigger scope of musical space. The exorbitant high power breaks a new world with an unprecedented sound quality and pleasure to the listener. More than 15 years of experience have leaded to this excellent product which trumps even the excellent functions of his predecessor, the Baldur 300. The distinguished technique is even more improved and filed. Only the best, expensive, highest quality components were used.

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**Technical specs:**
- Power consumption: 500 VA nominal, (- by max. output: 1500 VA)
- Max output: 300 Watt-RMS
- Nominal output: 240 volt sine – 1% distortion at 8 ohm load.
- Damping: 25
- Bandwidth: 10 Hz - 60 kHz
- S/N ratio: 84 dBm
- Gain 30 dB
- Distortion: 10W - 0.15%; 50W - 0.22%; 100W - 0.3%; 200W - 1%
- XLR and RCA input (like XLR)
- Input resistance: 47k
- 4 and 8 ohm speaker terminals
- Weight: 55 kg
- Size: 49 x 52 x 43 cm (w*d*h)
With headphone amplifier from AudioValve, you enter new musical spheres - promised!

**HiFi ViSion**
35/2018: AudioValve Solaris DAC

Goldklasse
Preis/Leistung: gut

Note: ★★★★★

**EAR IN**
3/2018

Das Kopfhörermagazin
Referenzklasse

DAC/Kopfhörerverstärker