

Statement 450 iQ Monoblock Power Amplifier

The Statement iQ power amplifier is the first in a series of VAC components featuring the patented* VAC iQ Intelligent Continuous Automatic Bias System. The VAC iQ System builds on the unprecedented performance of the original Statement Series and takes it to a whole new level with a set of critical enhancements.



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Features

The VAC iQ System is the result of 18 years of research and development by the engineers at VAC, and represents the first time in history that each tube in the output stage of a vacuum tube amplifier can be held precisely at the optimal bias point (underlying true quiescent current) at all times, regardless of how loudly or softly the music is playing. The result is sound that is always the best it can be, reduced distortion and noise, longer tube life, elimination of gas current 'run away' tubes, and increased reliability, all without any effort by the user. The VAC iQ System also alerts you when a tube is

growing weak or has failed. In short, tube drama is a thing of the past.

The Statement iQ power amp also features newly improved output transformers (56 pounds per monoblock!) with smoother, more extended frequency response. Input signal handling has been changed to a more pure, direct connection. Various changes to the power supply and chassis materials compliment and support the iQ system and circuit refinements.

**U.S.patent number 8,749,310. Worldwide patents pending.*



Valve Amplification Company

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Specifications

*Specifications subject to change without notice.

| STATEMENT 450 IQ MONOBLOCK POWER AMPLIFIER | |
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| WATTAGE | 450 |
| GAIN | 39 dB, SE 33 dB, balanced |
| FREQUENCY RESPONSE | 4 Hz to 75 kHz |
| POWER BANDWIDTH | 20 Hz to 70 kHz |
| INPUTS | Single-ended input via RCA jack, non-inverting Balanced input via XLR jack, non-inverting relative to pin 2 ("pin 2 hot", traditional EI/RCA broadcast/recording standard); amp is fully balanced in this mode |
| OUTPUTS | Connections to precisely match loudspeaker loads of 2, 4, and 8 ohms |
| TUBES | 8x KT88 5x 6SN7 |
| RESIDUAL NOISE | Typically 700 microvolts at the speaker terminals |
| VOLTAGE | May be factory-configured for operation at 100, 120, 220, or 230/240 volts |
| POWER CORD | Detachable power cord, standard IEC power receptacle |
| 12-VOLT TRIGGER | included |
| ILLUMINATION | Illuminated logo may be switched off |
| FINISH | Hand-rubbed gold-flake gloss black lacquer with chrome knobs standard. Hand-rubbed metallic gloss silver lacquer with chrome knobs special order with additional cost. |
| WARRANTY | Two years parts and labor, excluding tubes (USA). See manual for full details. |
| DIMENSIONS (H X W X D) | Audio chassis (not including connectors): 9.75 x 17.8 x 18.25 in. (24.8 x 45.2 x 46.4 cm.) Power supply (not including connectors): 5.5 x 17.8 x 18.25 in. (14 x 45.2 x 46.4 cm.) |
| SHIPPING WEIGHT | Audio chassis: 130 lbs. (59.1 kg.) Power supply: 85 lbs. (38.6 kg.) |



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