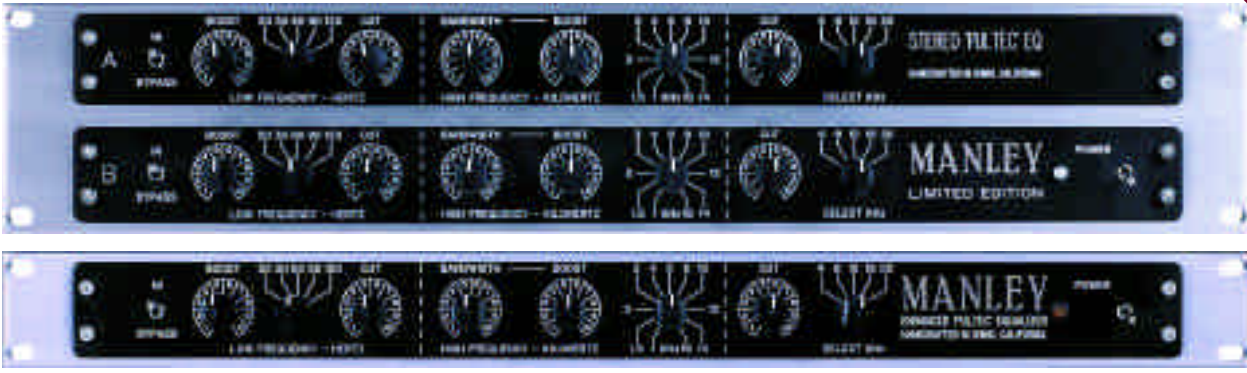


EQUALIZERS



STEREO

MANLEY
ALL-TUBE
ENHANCED
PULTEC
EQP1-A

MONO



LANGEVIN
ALL-DISCRETE
PULTEC
EQP1-A

MANLEY LABORATORIES is the only authorized user of the original Western Electric passive EQ circuitry previously licensed to Pulse Techniques, Inc. found in the well-known (and still sought after in the used market) antique Pultecs. (Yes, we bothered to hunt down Eugene Shenk about ten years ago in New Jersey to ask for his permission and blessings.) EQ may be set to 'flat' positions or BYPASSED entirely. All BOOST and CUT controls are continuously variable conductive plastic potentiometers for absolutely silent operation and long life. Our single rack unit monoblocks occupy one-third of the space of the 'antique Pultecs', an important consideration for allocation of outboard rack space. And if you notice, we've added a couple extra frequencies too. The rear mounted input switch selects 0° or 180° PHASE INVERT for the balanced gold pin XLR input or the transformerless unbalanced "audiophile" input on the 1/4" jack may be selected. The MANLEY PULTEC EQP-1A, now available in both single and 2-channel versions, uses 1 x 5751 and 1 x 6414 in our ALL-TUBE single-ended line amplifier for the gain make-up and extra-beefy sound; gain is factory set for unity but additional gain is available by a rear mounted feedback adjustment trimpot. Like our 40dB Mic Preamps, the Manley Pultecs offer both transformer coupled balanced and direct capacitor coupled unbalanced outputs for easy interface and sonic variety. Kick drum? Bring on the Pultecs and all the iron you can muster! You'll soon discover the power and magic of having those individual Low Frequency BOOST and CUT controls in that LF shelf circuit. . . Need a little clarity or extension? Try that middle bell-shaped Boost dialing in the sharpness of the boost on the BANDWIDTH control. Something bugging you? Ease it off with the HF shelf cut. You'll see. There's no substitute for a Pultec! The LANGEVIN unit works the same way but instead has an ALL-DISCRETE make-up gain amplifier with both balanced and unbalanced inputs and outputs— all completely transformerless. It is known to have an incredibly sweet sounding top end.

People often ask us if our Pultec EQ's sound like the old ones to which we reply, "Yes! But better!" The originals had three transformers in the signal path whereas ours can be used completely transformerless. Our Manley Enhanced Pultec has a vastly superior B+ power supply, with regulated and balanced heater supply. Our line amp is known to be killer-sounding. The components we use today just weren't available 20 years ago. And of course, our customer service is beyond reproach. So, if you want a project with crackling carbon pots, dirty open frame wafer switches, 5% and 10% tolerance noisy carbon resistors, exposed tubes sticking out the back of the 3U chassis, etc., go pay top dollar for an antique Pultec!"

FEATURES & SPECIFICATIONS:

MANLEY ENHANCED PULTEC EQ

- MANLEY input & output transformers with nickel laminations potted in mu-metal cases. 3K input Z
- PHASE REVERSE switch for balanced XLR input
- Alternate transformerless 1/4" unbalanced input
- BYPASS switch & AUTO MUTE w/ warm-up delay
- Silent conductive plastic BOOST & CUT controls
- Sealed gold-contact Grayhill frequency select switches
- Hi-current drive $\lt; 50 \Omega$ LO-Z XLR & 1/4" outputs
- Flat frequency response from 10Hz - 70KHz
- $\lt; 0.01\%$ THD @ 1KHz S/N ratio: 116dB
- Adjustable FEEDBACK / GAIN: Unity ± 5 dB
- Max. output: +30dBv
- Power consumption (120/240VAC): 18 watts
- Dimensions: 19" x 1 3/4" x 10" (occupies 1u)
- Shipping Weight: 12 lbs.

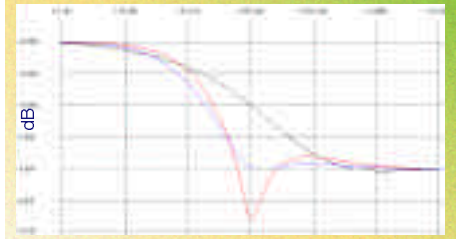
FEATURES & SPECIFICATIONS:

LANGEVIN ALL-DISCRETE PULTEC EQ

- Same passive EQ section as the Manley version
- TRANSFORMERLESS
- PHASE REVERSE switch
- BYPASS switch
- Silent conductive plastic BOOST & CUT controls
- Sealed gold-contact Grayhill frequency select switches
- BALANCED ins & outs via Gold XLR connectors
- UNBALANCED ins & outs via 1/4" jacks
- Flat Frequency Response 10 Hz to 60 KHz
- $\lt; 0.04\%$ THD @ 1KHz S/N ratio: 99dB
- Adjustable FEEDBACK / GAIN: -2 dB to 12 dB
- Max. output: @ 600 +22dBm; @ 10K +28dBv
- Power Consumption (120/240 VAC): 12 watts
- Dimensions: 19" x 1 3/4" x 10" (occupies 1u)
- Shipping Weight: 11 lbs.

This graph

shows the special effect of the BANDWIDTH control over a 100Hz boosted shelf on the Massive Passive. This is also a similar effect you get when you apply BOOST and CUT at the same time on the Pultecs.



MANLEY
ALL-TUBE
MID
FREQUENCY
EQ

Specially useful for midband oriented instruments such as guitars, vocals, harmonicas, and violins, the MID FREQUENCY ENHANCED PULTEC EQ (MEQ-5 type) shares the same features and specifications as our 'EQP-1A' version. The differences lie in the passive EQ section: in the MID EQ, the DIP and PEAK controls function on much sharper bell-shaped curves centered on the selected frequencies, which gives the engineer-producer more precise control over the vitally important midrange and makes this unit indispensable for mastering engineers. The MID EQ also completely fills the frequency gaps between the low frequency and high frequency sections of our Enhanced Pultec EQP-1A type EQ; thus the combination of the two provides a most flexible palette of possibilities for tracking or mastering. Features and specifications as described above.



Above: the BANDWIDTH control working on the Massive's 100Hz bell curves.

The Massive's five High Pass and five Low Pass filters.

Custom Mastering Versions!
For Manley Pultec EQ's: all Boosts & Cuts, Peaks & Dips are built as Grayhill switches in repeatable 1/2dB steps.
For the Massive Passive EQ, only Detented Master GAIN controls are available.
For further info check the Massive FAQ at www.manleylabs.com