



## EQ types

### Brown EQ

The original EQ (82E02) has brown LF knobs, it has 4 bands with sweepable Q on the mids and Bell/Shelf switches on the LF and HF. The slope of the sides of the Bell or Shelf alter with the degree of cut/boost (+/-15dB) . HP and LP Filters are 12dB per octave.

### Orange EQ (132)

Believed to have been developed by SSL to mimic the Pultec's curves, very popular in Japan.

Graphs below

### Black EQ (242)

The same essentials as the Brown EQ with the following refinements:

- 1) the EQ is louder - cut/boost of +/-18dB (with Q=3)
- 2) HP filter has a steeper cut off slope (18dB per octave)
- 3) filters are completely switched out of circuit when not in use

NB- Black EQ cards can simply be inserted into channels that originally contained brown EQ and on consoles and racks this is what many people do; in this case the EQ works correctly and the filters remain as they were in the brown EQ ie. they cannot be bypassed and only have a slope of 12dB/octave. This is what we refer to as "brown upgraded to black".

To achieve the full benefit of the black EQ, you also need to change 2 pots - very expensive ones and quite time consuming to do. This is what we refer to as "original black".

Graphs below

### G series EQ (292 or Pink EQ)

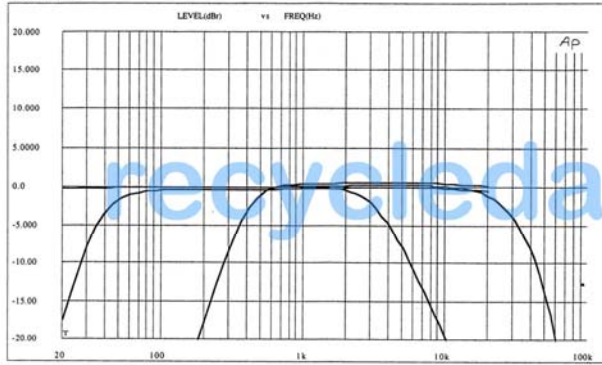
The "Bell" switches of the earlier EQs for the HF and LF bands are replaced by "x3" and " $\div 3$ " for the mid bands leaving the LF and HF bands as shelving EQs with a characteristic dip and bump before the shelf boost and shelf cut. Other notable differences are that when boosting and cutting, the slopes of the curve remain the same therefore incorporating a wider frequency range with increased boost/cut, and gain range = +/- > 20dB depending on Q setting. It was launched as a response to the original Rupert-Neve Focusrite EQ. Filters behave the same as those of black EQ (see above).

Graphs below

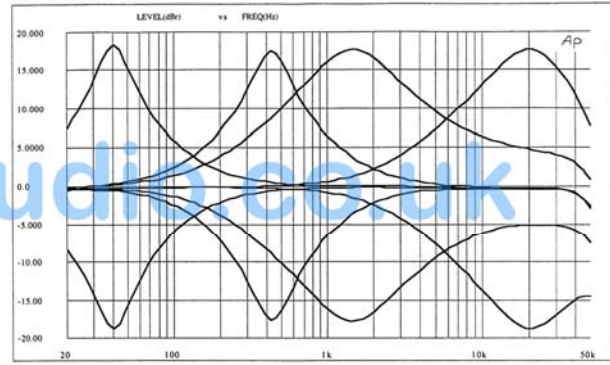
NB - on post G series consoles the Equaliser to "DYN S-C" feature is replaced by "FLT DYN S-C"

# 82E242 Equaliser Curves

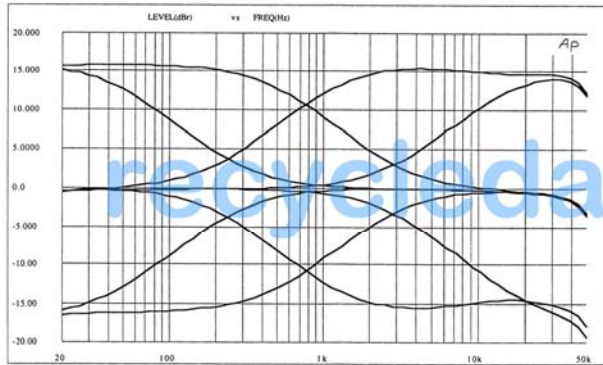
242 Filter



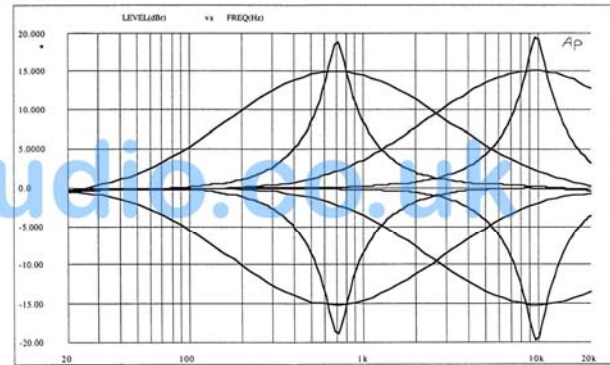
242 HF and LF Bell



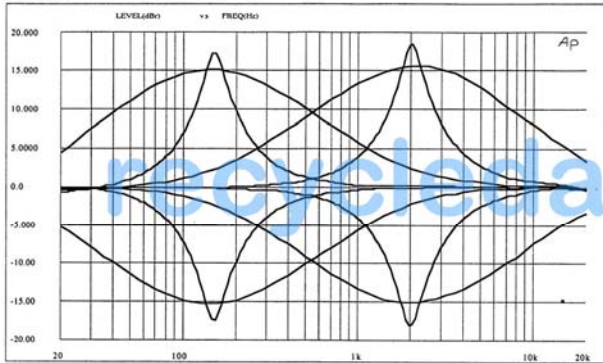
242 HF and LF Shelf



242 HMF



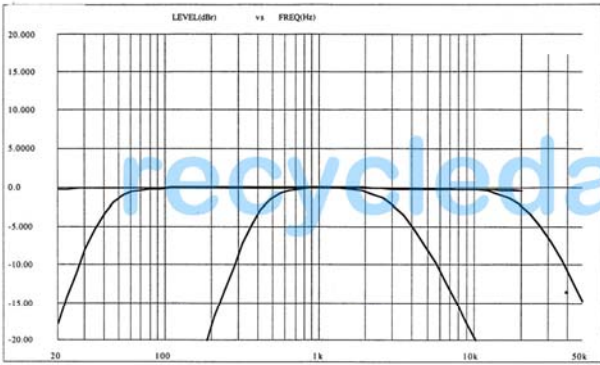
242 LMF



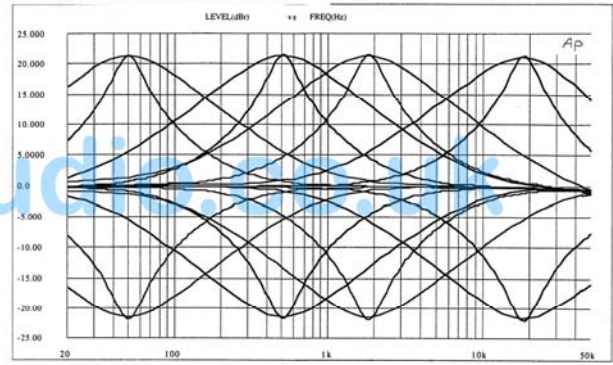
recycledaudio.co.uk

# 82E292 EQ curves

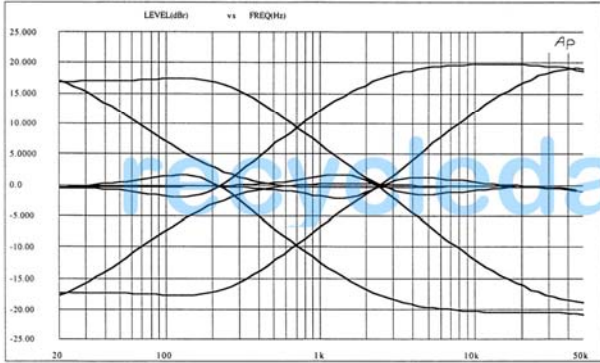
292 Filter



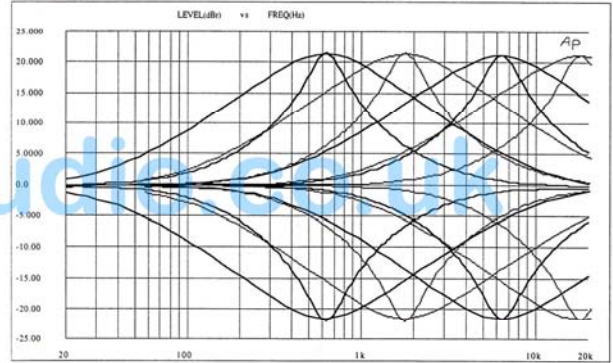
LMF shown with and without +3 switch



292 Shelf

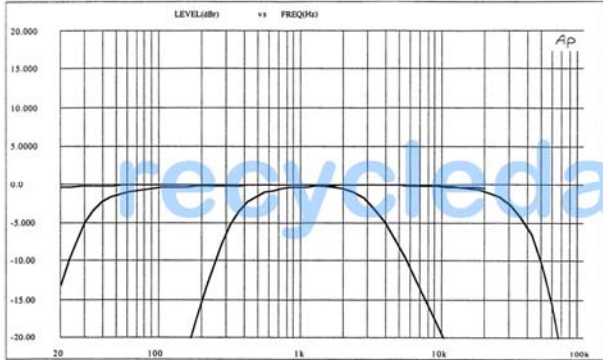


292 HMF - shows with and without x3 switch

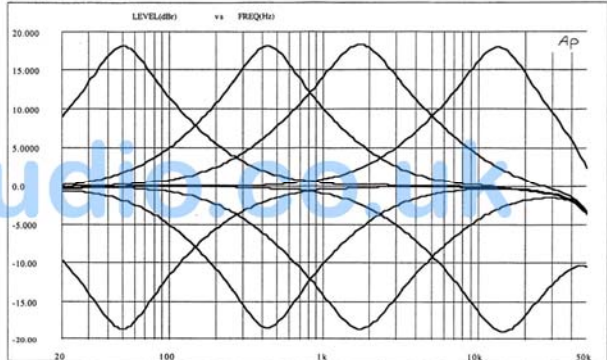


# 82E132 Equaliser Curves

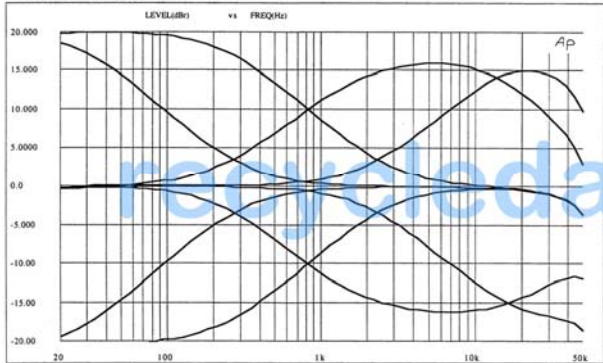
132 Filter



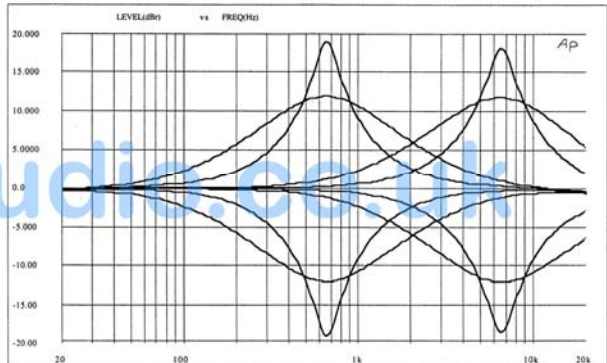
132 HF and LF Bell



132 Hi and Lo Shelf



132 HMF



132 LMF

