

Constant Q and proportional Q

No other comparable EQ design on the market offers both constant Q and proportional (or variable) Q principles, selectable per band. This endows the PQ with double equalization power for demanding corrective and creative applications.

Frequency bands

Each channel provides five bands of equalization. Each band overlaps its neighbor by one octave and can be independently activated and deactivated. The following frequency ranges are available: LF: 10 Hz-235 Hz · LMF: 35 Hz-720 Hz · MF: 330 Hz-7.1 kHz · HMF: 670 Hz-16 kHz · HF: 1.2 kHz-28 kHz.

Amplitude

Boost/cut settings are freely adjustable up to 11.5 dB. The lower range from 0 to 2.5 dB offers extremely high resolution, allowing delicate adjustments with maximum precision.

Bandwidth

Bandwidth is adjustable between 0.01 and 2.7 Q in proportional Q mode and between 0.9 and 20 Q in constant Q mode. The extremely high maximum bandwidth in constant Q mode enables tight, selective control in precision applications.

Filter stages

Each filter band is self-contained on an individual circuit board. Since the bands are not summed via a central stage, the signal passes only through those filter stages which are activated.

Components and construction

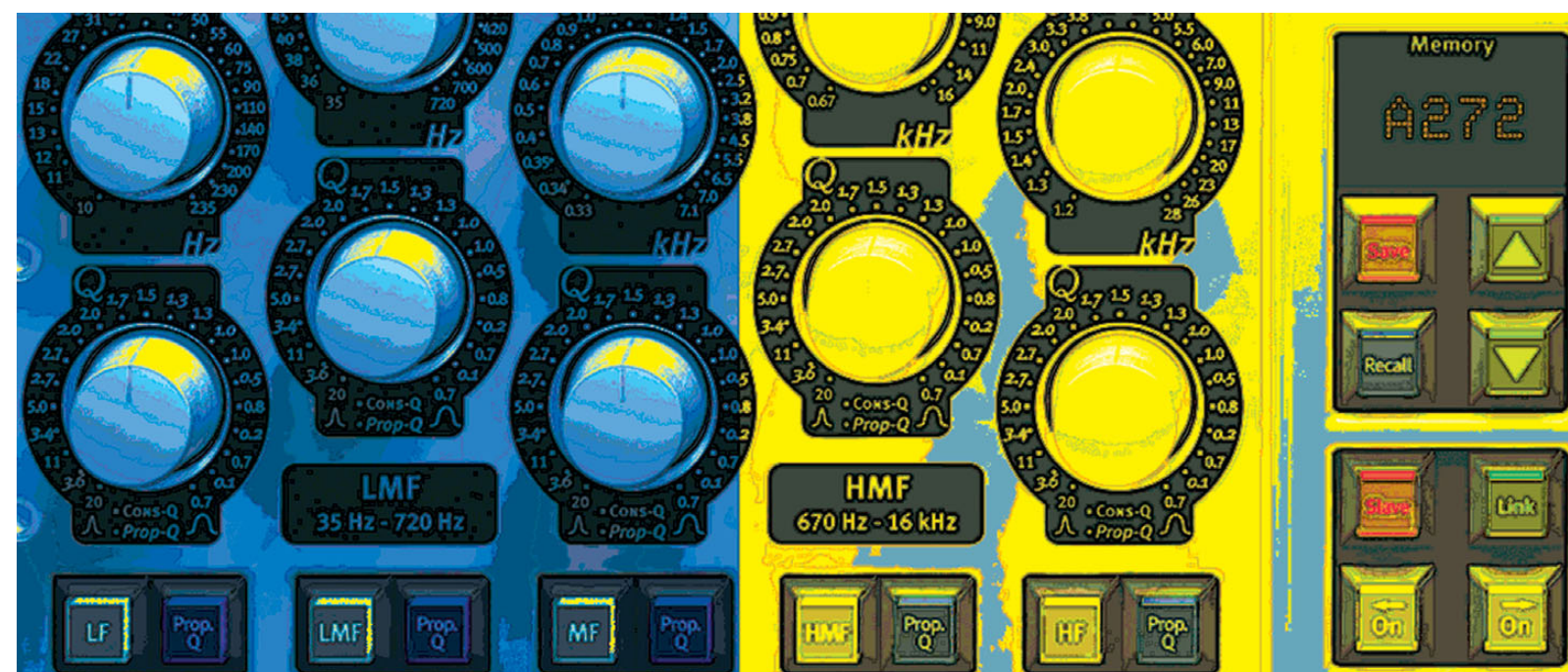
All crucial resistors in the I/O and filter circuits are subject to ultra-tight tolerances of 0.001% to ensure clean and accurate amplifier stage performance. All circuit board tracks are double-width (1 mm) and double-thickness (70 micro-millimeters), guaranteeing stable high-gain operation with minimum resistivity. A separate grounding track is placed between signal track pairs, virtually eliminating crosstalk for maximum signal separation.

Connections

The PQ 2050 is fitted with premium XLR I/O connectors.

Quality

As with all SPL products, the PQ is conceived, designed and hand-built in Germany.



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❖ Who needs another equalizer? Check this:

- Pure analog, discrete Class A equalization circuitry
- Digital storability and total recall with motorized controls
- 120 Volt internal operating voltage for clean, consistent audio
- SPL's discrete SUPRA op-amps with 150 dB dynamic range
- Constant Q and proportional Q equalization (selectable per band)
- Channel link and master/slave unit link modes (deactivatable per band)
- Remote control unit controls up to four PQ's for surround processing*
- Exactly the equalizer you've been wishing someone would build ...



* Optionally available – free with three!

The PQ from SPL. Not just another equalizer. ❖