

## Again "something more" from FitalPRO.

### Three new ferrite Woofers-mid-woofers, and two HF drivers.

An impacting display of new products:

Three ferrite woofers: the 18", 18HW1070, the 12" 12FH530, and the 10"10FH530

As well as the HF146 compression drivers, an improved version of the HF144,

And the HF106 model, a neodymium version of the existing HF107.

Satisfied Flavio Naggi, Pro-Audio Division Manager, stated: "Generally, as FitalPRO we've recently expanded the ferrite series of professional loudspeakers by introducing three new Woofers, two Mid Woofers and a subwoofer, as well as two Neodymium high frequency compression drivers."

#### Three Ferrite woofers

The "18HW1070" is the new "High Performance SubWoofer".

It's a ferrite 18" subwoofer that boasts a nominal output of 1600 W AES and 3200 W max, with a 100 mm (4") voice coil. Flavio Naggi states: "It was born to propose something really new compared to the existing 18HP1030, we wanted to create an 18" loudspeaker for subwoofer use that would be similar to our 18XL1600 in terms of acoustic characteristics, power, frequency response, Thiele & Small parameters, etc., but with a ferrite magnet assembly.

Once completed the FitalPRO testing process, it became evident that the project requirements had been fully confirmed and, in some cases surpassed expectations, for example, maximum excursion values were even superior to the reference model and the same happened in parameter linearity with large signals, which was even better."

The 18HW1070 incorporates a voice coil cooling circuit that constitutes an evolution of the solutions adopted in the 18XL1600.

A few features also confirm Fital's footprint, like the cone, composed of a refined mix of synthetic and cellulose fibers, treated according to Fital proprietary techniques and matched with treated cloth suspensions purposely designed to perfectly match the dual non-adjacent symmetrical constant height waves spiders.

A brand new basket design and magnet assembly complete this refined 18" sub-woofer capable of sustaining great acoustic pressure while reproducing deeper bass than ever before.

The 18HW1070 is proposed as the perfect ferrite substitute of the already successful 18XL1600, especially in fixed installations and all applications not requiring a lighter assembly.

The market has given an immediate response for this woofer and demand took off immediately and

quickly re-paying Fital's Pro-Audio Division's development efforts.

### **12FH530 and 10FH530 Ferrite, Woofer-Mid-Woofer**

Two more loudspeakers for the Pro-Audio market by FitalPRO, dedicated to mid/low frequencies, the models are called 12FH530 and 10FH530 and are meant for mid-woofer configurations and applications.

Declared power for both are 500 W AES nominal with 1000 W peak and they feature the same magnet assembly in ferrite with internal demodulation ring.

The 12FH530 model was born as an "improvement" of the existing 12FH510 to which a demodulation ring was also added for the correction of the harmonic distortion, above all in the medium frequencies. This way it is possible to get an effect that is emphasized a bit more on the medium ranges, which become even more balanced and correct.

On the cone and suspensions, a new innovative coating procedure was studied -then applied.

Flavio Naggi states: "It is a very special process and as a result we achieve new characteristics in cone rigidity, so we can speak of a real improvement compared to the current products on the market.

This means affirming that the new 12"mid-woofer, 12FH530, is able to produce a new sound, a different tone, with a more lively presence in the medium frequencies. The response curve is softer compared to products already seen and it is therefore preferable when it is necessary to emphasize the voice of the performer - or instruments that operate in this frequency range - in an acoustic system."

The ideal uses are in two way horn loaded applications, or in a very easy to achieve front loaded system, with a horn loaded driver for the Hi's, in a classic two way enclosure with contained volume.

As usual this acoustic system can be perfectly paired to a fine sub-woofer, just like the new 18HW1070.

These are "simple" loudspeakers that do not present specific problems with filtering or matching in any PA system, making them incredibly versatile.

The 10FH530 adopts the same magnet assembly; it is a 10" mid/woofer woofer with a 77mm voice coil, that guarantees 500 W AES nominal and 1000 W peak.

The 10FH530 is meant for applications where the reproduction of the low end reaches 65 HZ, while the 12FH530 model easily covers a range down to 50Hz.



**PROFESSIONAL LOUDSPEAKERS**

— — — *Made in Italy*

A special press release dedicated to high frequency drivers will follow soon.