

## **“A NEW PERFORMANCE MILESTONE” (FLAVIO NAGGI)**

The first wave of some among the new woofer and mid-woofer drivers in Ferrite, branded FitalPRO. December 2011. As announced last month, FitalPRO, the professional division of Fital, - over fifty year old loudspeaker manufacturing company at the doors of Milan - unveils various new models related to the launch of several new Ferrite products.

As stated by Flavio Naggi, Overseas Sales Manager, we recall that: “The launch of the new models of professional loudspeakers with Ferrite motors is tied above all to the idea of completing the product catalog with new tonalities, innovative sound, and without eliminating any of the existing neodymium models. This project is not a trade-in at the cost of quality either, in fact, some speakers actually improve with ferrite, since the magnetic field works in a completely different way, favoring some of the features that for example are particularly appreciated in subwoofers.”

The entire FitalPRO range will now include 31 new Ferrite loudspeakers:

professional loudspeakers for all uses. Let's start with a few woofers and mid-woofers:

### **NEW WOOFERS AND SUB-WOOFERS: 12HP1030, 15HP1030, 18HP1030**

New 12, 15 to 18” woofers with demodulated Ferrite motors for , with maximum power output between 1200 and 2400W. All equipped with 2 non-adjacent symmetrical spiders with variable height waves for maximum control on the entire excursion even at the highest power levels. By non-adjacent we mean that the spiders are actually 2 and separated, thus not glued with silicon, therefore meeting the voice coil at two separate heights/joints guaranteeing a stronger assembly and an unbeatable linearity of movement, constantly and without decay over time.

The 12” model 12HP1030 withstands 2000W of maximum power and 1000W nominal, 96 dB sensitivity (1W-1m).

The 15” model 15HP1030 supports 2000W of maximum power and 1000W nominal, on 8 and 4 Ohm, with 95 dB sensitivity (1W-1m); optimum in subwoofer uses like its 18” brother, perhaps in combination with the 12” to increase the system output in the low ranges.

The 18” model, called 18HP1030, handles a maximum power of 2400W and 1200W nominal and 98 dB sensitivity (1W-1m); it is the most powerful profile, comparable to the neodymium model 18HP1060.

### **IMPRESSIVE PERFORMANCE BETWEEN 1.400 AND 2.000W: 12HP1010, 15HP1010, 18HP1010**

For those who need slightly less power, there is a choice of other three woofer models in Ferrite

that represent the natural evolution of the FaisalPRO product range, having power from 1.400 to 2.000W. Also here we see the use of 2 non-adjacent symmetrical spiders with constant height waves for a perfectly controlled excursion in every condition of use.

They are comparable in power and performance to the 18", 15" and 12" model series in neodymium. (12HP1020, 15HP1020, 18HP1020).

Starting from the 12HP1010, 12" woofer, holding a maximum power of 1400W and 700W nominal, 96 dB sensitivity (1W-1m); it is very interesting in the rather powerful mid-low systems, perhaps paired to a 1,4" driver for High's.

It is equally interesting in uses on T-Lines or in horn loaded applications.

The 15HP1010, 15" woofer, handles 2000W maximum and 1000W of nominal power, 96 dB sensitivity (1W-1m), demonstrating character in front loaded reflex applications and "entry level" horn systems.

The 18HP1010 model, 18" woofer, plans for maximum 2000W power and 1000W nominal, and 98 dB sensitivity (1W-1m).

### **FH SERIES: 12FH510, 15FH510, 18FH510**

New versions in Ferrite join the already very successful "FH" brand models.

The 12FH510 is a nice mid-woofer, of "classic-generic-traditional" cut. A loudspeaker to implement in a typical two-way system, paired to a 1" driver. Here, special attention was given to frequency response; the already quite low roll-off spider was improved further, and is thus able to work well even without strong electronic filtering in the high range.

The new 15FH510 is a good woofer with slightly higher  $F_s$  compared to the 18": it proposes 500 W nominal power and 1000W peak. It is useful to create medium sized subwoofers, line arrays, and is easy to hang given that -although it is in Ferrite- the magnet assembly is not large in size.

Starting from the already known, excellent 18FH500, today the new 18FH510 is proposed. Even here various novelties on a suspension level (among other things) have been introduced and improving that which, initially, was thought could not be improved.

Today the new 18FH510 woofer has an even smoother tone and nothing stops it from packing a greater punch in the lower range, in subwoofer configurations.

Supporting 600W continuous power that become 1200W peak, with an  $F_s$  value of 30 Hz and other parameters so flexible as to be able to be aligned in a 180 liter reflex enclosure, very simple in concept, but certainly useful in all the most varied reflex configurations.

"It can be said that even in a very simple configuration the 18FH510 "is so powerful that it can bring down the house" with a flat response up to 30 Hz. It is excellent even in evolved home



**PROFESSIONAL LOUDSPEAKERS**

 *Made in Italy*

theater systems, for those who want a deep bass and in a double configuration in the same box it is really able to “do some damage!”