ISE PRESS RELEASE

NEW 1” ANNULAR COMPRESSION DRIVERS FROM LAVOCE

POTENZA PICENA, January 2023 – Lavoce Italiana, the premium transducer company with a 35-year heritage designing and manufacturing HF/LF loudspeaker transducers, are excited to announce the launch of their first 1” exit annular diaphragm design compression drivers, DN10.143 and DF10.143, at ISE 2023 in Barcelona.

The Italian R&D team at LAVOCE created DN10.143 and DF10.143 by optimising the complex methodology of annular diaphragm design and adopting their successful Next Generation development approach for compression drivers. From original design concept this optimizes every aspect of their performance target and production process to ensure the perfect balance of a high-quality acoustic performance with consistency, reliability, and cost.

The optimized annular diaphragm design used in DN10.143 and DF10.143 has the advantage of delivering higher sensitivity and extended low frequency performance than typical dome diaphragm designs. This also presents a lower distortion characteristic across the whole operating frequency range, which is further enhanced by the first break-up modes of the annular diaphragm exhibiting at a higher frequency. Both models specify a conservative 1800Hz recommended crossover point, so together with their high sensitivity, wide usable frequency range and low distortion characteristic, they add another interesting flavour to LAVOCE’s established range of 1” exit compression drivers.

DN10.143 has a neodymium magnet motor structure and offers 35W AES power rating with 110dB sensitivity and a frequency range of 1200Hz to 20000kHz. Utilising a 1.4” edgewound copper-clad aluminium voice coil, one-piece high temperature polymer annular diaphragm and surround, and weighing just 0.5kg with a 71mm diameter, DN10.143 is a powerful compact solution for premium line array and other high-output applications.

DF10.143 has a ferrite magnet motor structure and offers 35W AES power rating with 107.5dB sensitivity and a frequency range of 1200Hz to 20000Hz. Utilising the same 1.4” edgewound copper-clad aluminium voice coil and one-piece high temperature polymer annular diaphragm and surround, it offers similar benefits as DN10.143 but with an obvious price advantage. This makes

DF10.143 the perfect solution for pushing the operating HF bandwidth limits for more cost-conscious line array projects or high-output 2-way or 3-way cabinet designs.

Pierpaolo DeMinicis, Pro Audio Division Manager, comments 'Since launching the first model of our Next Generation range of compression driver in 2019, we are very happy to have gained the attention of many of the worlds' most renowned pro audio brands, so enhancing our range with Annular diaphragm models is a logical next step. We are also proud of the perfect synergy our state-of-the-art Italian R&D center and wholly owned manufacturing plant in China offers our customers, and for sure DN10.143 and DF10.143 further exemplifies this unique proposition'.

Visit LAVOCE Italiana at ISE 2023, Booth #7G150

For all enquiries please contact: sales@lavocespeakers.com
Visit LAVOCE Italiana at www.lavocespeakers.com

Lavoce Italiana designs and manufactures industry leading HF and LF transducers for global professional audio and MI manufacturers and distributors. Its Italian R&D Center is based in Potenza Picena, Macerata, and all products are manufactured at their wholly owned and modern production facility in Jiashan, China. Innovators by tradition: www.lavocespeakers.com

Lavoce Italiana (Sales & Marketing)
Address: S. Regina Km 3.500, Marignano, 62018 Potenza Picena (MC), Italy
Contact: Kevin Shove
Mob: +44 (0)7809 902457
Email: kevin.shove@lavocespeakers.com