



FOR IMMEDIATE RELEASE

New app from Eastern Sheet Metal calculates equivalent round diameters in seconds

App provides equivalent round diameter, air velocity, friction rate and total friction

Cincinnati – (April 28, 2017) – The new [Eastern Sheet Metal](#) Equivalent Round Duct Calculator app allows sheet metal contractors and installers, as well as heating, ventilation and air-conditioning (HVAC) engineers and contractors, to quickly convert rectangular and flat oval duct dimensions to round. It will also convert rectangular to flat oval. The app is available for Apple and Android systems.

As dimensions are entered, the app calculates the equivalent round diameter. If the volume flow rate and duct length are entered, the app instantly calculates air velocity, friction rate and friction loss for standard air.

“Round is the most efficient duct shape for transporting air,” said Pat Brooks, general manager at Eastern Sheet Metal. “It has less surface area and weight, along with fewer joints, which significantly reduces the potential for leaks. In fact, round duct can easily be specified to meet SMACNA Class 3 Leakage, even at 10-inch water gauge static pressures. Additionally, round duct is much easier to install.”

Where space limitations make conversion to round duct impossible, flat oval is the next most efficient shape, providing many of the advantages of round and better able to fit the available space.

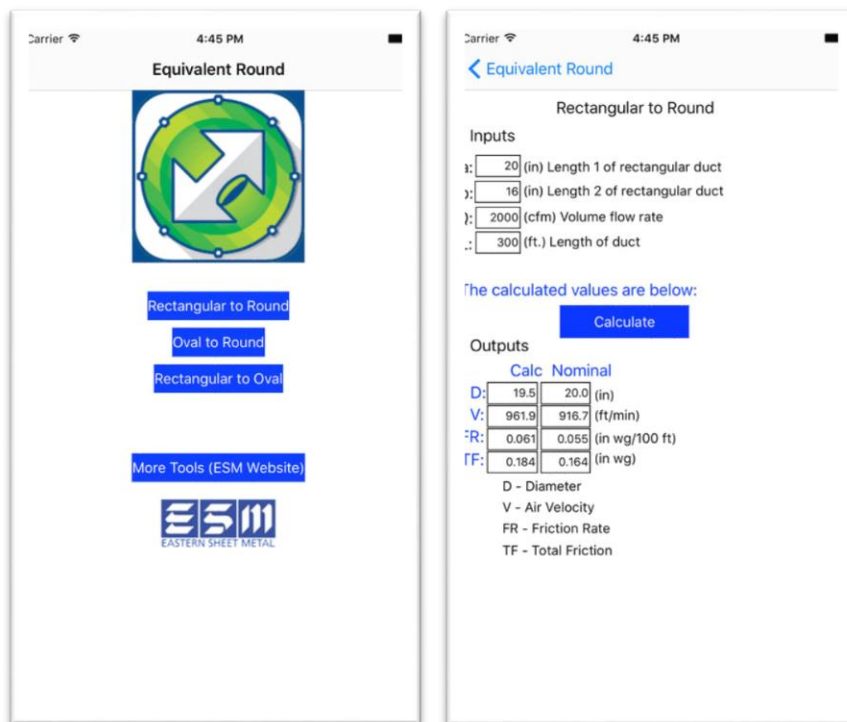
One of the first of its kind in the industry, the Equivalent Round Duct Calculator app allows users to calculate conversions digitally rather than with a slide rule. The easy-to-use app lends itself to use in the field, because it does not require an online connection. However, if an internet

connection is available, the app can also link users to the Eastern Sheet Metal website, where they can find tools that will instantly calculate multiple solutions for the equivalent round diameter and a range of flat oval dimensions.

To download the app, search for “Equivalent Round” or visit <http://easternsheetmetal.com/Tools/EquivalentRoundDuctCalcApp.aspx>.

For more information about Eastern Sheet Metal, visit www.easternsheetmetal.com.

Photo caption: The new Eastern Sheet Metal Equivalent Round Duct Calculator app allows sheet metal contractors and installers, as well as heating, ventilation and air-conditioning (HVAC) engineers and contractors, to quickly convert the following: rectangular dimensions to round, flat oval dimensions to round, or rectangular dimensions to flat oval.



About Eastern Sheet Metal

Eastern Sheet Metal is an industry leader that provides custom-designed, AMCA certified spiral duct systems. Sheet metal contractors and installers will find the widest selection of sizes when it comes to round and flat oval spiral duct. The design of the EASTERN TIGHT™ and Eastern

Flange is a direct result of empowering customers to complete a virtually leak-free spiral duct system. For additional information, visit www.easternsheetmetal.com.

About Johnson Controls

Johnson Controls is a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries. Our 130,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all of our stakeholders through strategic focus on our buildings and energy growth platforms. For additional information, please visit <http://www.johnsoncontrols.com> or follow us @johnsoncontrols on Twitter.

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