NEWS RELEASE

NY News Contact: Steve Cooper
516/623-7615
PPI News Contact: David Fink
469/499-1046

MAJOR UPDATE TO FREE

PLASTIC PIPE DESIGN CALCULATOR

Association's Version 2.0 Contains More Pipe Materials and Sizes

IRVING, Texas - April 19, 2021 - The Plastics Pipe Institute, Inc. (PPI) has announced a major update to its Building & Construction Division's Plastic Pipe Design Calculator. PPI is the major trade association representing the plastic pipe industry.

The "BCD Calculator" is a free software tool that simplifies and makes it faster to design plastic pressure pipe and tubing systems using CPVC, HDPE, PEX, PE-RT, PP-R and PP-RCT. Applications integrated in the program include plumbing, water service, fire protection, hydronic piping (liquids), radiant heating & cooling, snow and ice melting, geothermal ground loops, district heating, and turf conditioning.

The changes include an updated appearance, the Pipe/Tubing Selection Menu has been revised to prevent confusion between pipe types, hundreds of new sizes of PEX pipe have been added along with HDPE pipe and tubing plus PP-R and PP-RCT pipes, and also links to BCD material webpages.

The Calculator allows the user to select either IP/US or Metric/SI working units, as well as multiple fluids (e.g., water, propylene glycol, ethylene glycol). Fluid temperatures and mix ratios are chosen by the user. Results can be viewed, printed, or emailed.

According to Lance MacNevin, P. Eng., director of engineering for PPI's Building & Construction Division, “This online tool includes five main functions which can be used to select and size the right type of pipe for various applications. These are pressure/head loss; pipe weight/volume; thermal expansion and contraction; hydraulic shock; and expansion arm/loop design.”

The modifications to the original PPI/BCD Design Calculator were part of a BCD Task Group initiative led by MacNevin. “Once again, our members stepped up and volunteered their time to support the industry with updates and refinement to an important support tool. Their years of collective expertise were critical to the performance of Version 2.0.

“This update contains hundreds of new pipe materials and sizes. During the past several years, we listened to input from users of the original version of the Calculator, and made improvements plus added new features that make it easier to use.

According to PPI President David Fink, “The BCD Calculator is part of a series of online tools that PPI has published as a service to the pipe industry. Other PPI calculators include the HDPEApp, the Conduit Design Calculator, and PACE, and are intended to assist designers with sizing their piping products easily and accurately”.

The BCD Calculator can be found on PPI’s website at https://plasticpipe.org/building-construction/bcd-calculator.html or at http://www.plasticpipecalculator.com. Additional information about Building & Construction Division materials and tools can be found online at https://plasticpipe.org/building-construction/index.html .

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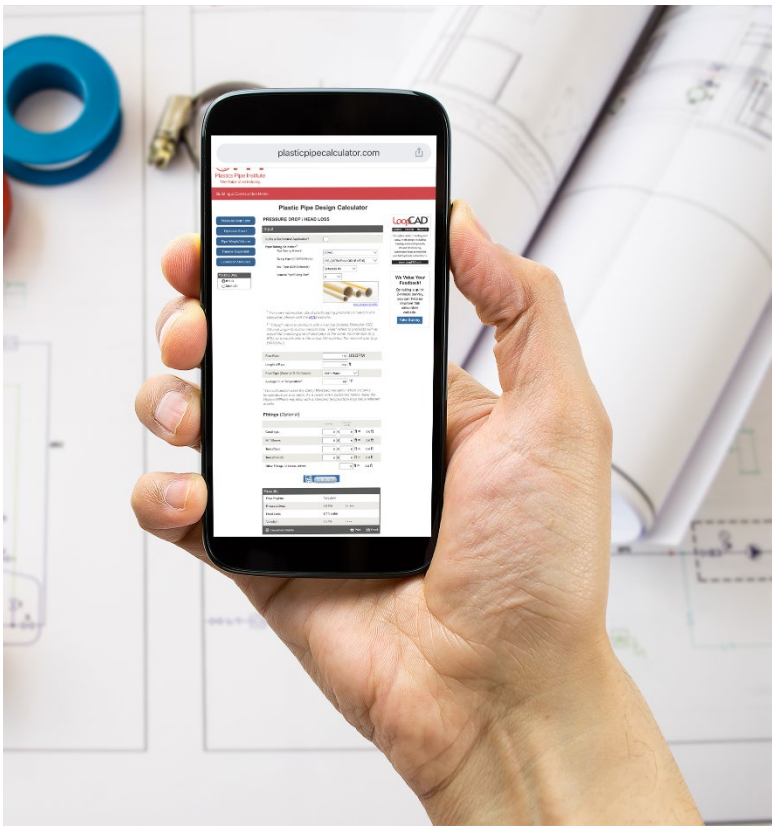
Photos follow…


PPI
Plastic Pipe Design Calculator
LoopCAD


plasticpipecalculator.com
Plastic Pipe Design Calculator
LoopCAD

More…

PPI PLASTIC PIPE DESIGN CALCULATOR

PlasticPipeCalculator.com

Available free on PPI's website, the BCD Calculator is a software tool that aids in designing plastic pressure pipe and tubing systems using the materials CPVC, HDPE, PEX, PE-RT, PP-R and PP-RCT. It can assist designers for applications such as plumbing, water service, fire protection, hydronic piping, radiant heating & cooling, snow & ice melting, geothermal ground loops, district heating, and turf conditioning.

About PPI:

The Plastics Pipe Institute, Inc. (PPI) is the major North American trade association representing the plastic pipe industry and is dedicated to promoting plastic as the materials of choice for pipe and conduit applications. PPI is the premier technical, engineering and industry knowledge resource publishing data for use in the development and design of plastic pipe and conduit systems. Additionally, PPI collaborates with industry organizations that set standards for manufacturing practices and installation methods.