



BUILDING & CONSTRUCTION DIVISION



BCD Plastic Pipe Design Calculator Version 3.0

PPI's Building & Construction Division announces an update to its **Plastic Pipe Design Calculator**.

The BCD Plastic Pipe Design Calculator is a free software tool that simplifies the design of plastic pressure pipe and tubing systems using CPVC, HDPE, PEX, PE-RT, PP-R and PP-RCT piping materials. Version 3.0 of the Calculator now includes a function for calculating **Static Water Column Pressure**, which is based on elevation in vertical piping systems.

This new function will help designers to estimate the internal pipe pressure at the bottom of a geothermal borehole or at the bottom of a multi-story plumbing, fire protection, or hydronic system. The purpose of the new function is to prevent exposing pipes to excessive pressure.

Version 3.0 also includes more than 50 new pipe diameters and the addition of methanol and brine as fluid types. Various glycol mixtures were already included. Fluid temperatures and mix ratios are chosen by the user.

Results can be emailed, printed, or saved.

Access the **BCD Plastic Pipe Design Calculator** at <https://plasticpipe.org/building-construction/bcd-calculator.html>



[www.plasticpipe.org/building-construction](https://plasticpipe.org/building-construction)

Distributed by The Plastics Pipe Institute, Building & Construction Division.