



Waterwell and Groundwater Monitoring Newsletter

August 2013

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Canadian Pipe & Pump Supply is an industry leader engaged in the manufacturing and distribution of pipe product used in waterwell and groundwater monitoring applications. In addition, we supply pumps and accessories used in conjunction with our pipe. We firmly believe in helping our customers grow their businesses. Our skilled team of industry experts can help select the proper product for your application or help to design a custom solution.

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We have four locations across Ontario to serve your needs. Please visit us at one of our branches located in Toronto, Orillia, Ottawa or Tillsonburg.

Pipe Dreams: Demystifying the difference between tube and pipe

When you've been in the pipe industry as long as we have, you get a lot of questions about the specifications, cost and reliability of product. But you might be surprised to hear that one of the most common questions we are asked is "what is the difference between tube and pipe"? We've laid out the answer for you below.

The key dimensions of a hollow cylinder include:

- ID (inside diameter)
- OD (outside diameter)
- WT (wall thickness)

One of the key differences between pipe and tube is how their sizes are defined. Tube size refers to the nominal outside diameter (OD), whereas pipe size refers to the nominal inside diameter (ID). So the actual outside diameter of 1 1/4" tube would be 1.25" versus the actual outside diameter of a 1 1/4" pipe, which will be larger, depending on the thickness of the pipe wall.

When you consider the typical applications for tubes versus pipes, these different methods of sizing begin to make sense. Since tubes are commonly used to construct something, their relative strength (defined by their outside diameter and wall thickness) is the most important factor when determining the size of tube that is required for the job. On the other hand, as pipes are generally used to move liquids or gases, the inside capacity (defined by the inside diameter) of the pipe is key, as it allows for transportation calculations such as volume and speed.

When ordering pipe, it is important to note that the wall thickness (WT) is referred to as its "schedule". A higher schedule means a thicker pipe wall. [Click here](#) to see a chart that details our most common PVC pipe products, Schedule 40 and Schedule 80.

CPSS carries a wide selection of steel and PVC pipes. Ask your CPSS representative for more details.

We look forward to your business and partnering with you to help drive your growth in 2013.

Sincerely,

Robert Martini
Vice-President General Manager