



How To Determine Your Water Main Line Size

A Brief Discussion to Get Started

Your Contractor:

If you're remodeling or in the process of new construction your contractor should be able to supply you with this information.

What's Typical:

A typical home has either a 3/4" or 1" main water service line entering the home before the water heater(s), however with newer and larger homes with greater demands on water usage or multiple water heaters, large shower or bathing systems larger service lines of 1 1/4", 1 1/2" or larger are common.

Why is this information important to you:

Knowing the location of your main water shut off can save thousands of dollars in damage and aggravation when an emergency happens in your home. For those in areas where earthquakes are an issue turning off your gas and water might be the difference in losing your home. For those areas where water pipes can freeze, you have all heard the horror stories. Bottom line: if you can shut your water off during the unexpected than this little exercise will be worth it.

Your on your own?

Follow these easy steps to measure your main water supply line:

- Grab a piece of string about 6"(152mm) long.
- Find the location of your water supply pipe (either in your basement, garage, utility area or outside). You'll know it's your main supply pipe when you see a shut off valve that shuts off all the water to your home.
- Strip away any insulation so you can get at the pipe and wrap the string around it.
- Measure how many inches of string it takes to go around the pipe once. This is the circumference of the pipe (yikes, bad memories of high school geometry!). Using the circumference we can calculate the diameter of the pipe. But let's forget about doing geometry calculations! Based on the string length use the table provided to find your pipe size.

Follow the instructions and chart provided on the following pages



Let's Measure Your Supply or Water Main Pipe Size:

It is as simple as 1, 2, 3

1. Locate your home main line shut-off valve.



Helpful Hints

Look for either the red or blue handled valve in your garage, basement, utility room, or other location.

If you turn this valve off and it shuts off all the faucets in your house, you have located your home's main shut-off valve.



Note

This is your water meter and line supplied by your utility.



This will shut off all the water to your property. This is **NOT** the main shut-off to your home.

Please see the information above for locating and measuring your main water supply line.



2. Locate the pipe after that shut-off valve.



Your string length will vary a little, depending on string stretch, dirt on pipe, manufacturing tolerance, how accurate you are, etc.

Remember, find your valve that shuts off all your water in the house (not the meter at the street) and you have found your main water supply pipe.

Once Measured, Review the Chart Provided.



Let's Measure Your Supply or Water Main Pipe Size:

3. Measured, now Determine Your Line Size in order to properly specify your whole home water filtration system.

You have wrapped your string around the correct pipe and marked where the string met. Simply measure that length and review the chart below to determine your pipe size.

For Copper Pipe

Specify*

2.75" (70mm)	= 3/4" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
3.53" (90mm)	= 1" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
4.32" (110mm)	= 1 1/4" Pipe	EWS-1354-HF
5.10" (130mm)	= 1 1/2" Pipe	EWS-1354-11/2"

For Steel Pipe or Plastic PVC Pipe

Specify*

3.25" (83 mm)	= 3/4" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
4.00" (102mm)	= 1" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
5.00" (127mm)	= 1 1/4" Pipe	EWS-1354-HF
6.00" (152mm)	= 1 1/2" Pipe	EWS-1354-11/2"

For Flexible Polyethylene Pipe

Specify*

2.96-3.33" (75-85mm)	= 3/4" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
3.74-4.24" (95-108mm)	= 1" Pipe	EWS-1354, EWS-1054, EWS-1035 LTD
4.90-5.57" (124-141mm)	= 1 1/4" Pipe	EWS-1354-HF
5.70-6.28" (45-160mm)	= 1 1/2" Pipe	EWS-1354-11/2"

*Specify EWS Series as the most common product for filtration to the entire home and conditioning as the best alternative to harsh salt softening. Specify CWL Series in the exact same manner where water hardness is not an issue. Measuring procedure and chart can assist with all line size specification of product offered by EWS, Inc.