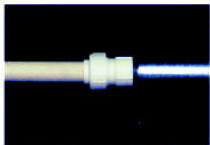
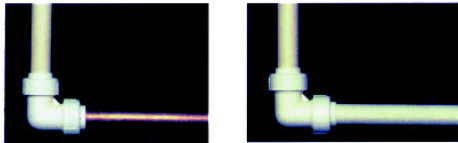


Universal & Unique

Universal Fittings are approved for both hot & cold potable water supply. Whether it's an installation of a new hot water heater or the replacement of a faucet, our Universal Fitting System can be used in conjunction with your choice of copper tube size (CTS) water supply tubing. Now anyone can easily complete all plumbing repairs and new installations in residential, marine, and RV applications quickly, easily and inexpensively.

Provides Quick & Easy Connections

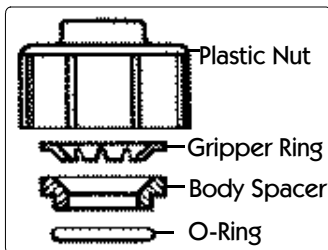
joining PEX, CPVC, copper or galvanized tubing!



Universal Fitting Installation

1. Cut tubing to length. When using flexible tubing, be sure to allow enough room for smooth bends. Use the appropriate tubing cutter or fine tooth saw. Remove all burrs on tubing end using sandpaper, knife, or a chamfering tool.
2. Lubricate o-ring with All Purpose Seal Lubricant or liquid soap before joining to pipe and while assembled. Draw a line on tubing 1/4" from end. Loosen nut, but do not disassemble fitting. Simply push tubing fully into fitting past the o-ring seal, and up to the line on the tubing, to seated position.
3. Hand tighten the nut for a watertight connection.

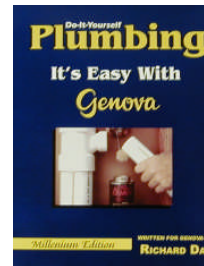
Note the order in which each of the component parts are installed. Be sure all parts are present and in this order before installing. Avoid installation where product will be exposed to excessive sunlight.



Genova Wrote the Book on Plastic Plumbing

This fully illustrated text makes you the plumbing expert. See how easy and economical it is to plumb your whole house or addition, install a sump pump and even build a sewer-septic system utilizing today's modern plastic piping materials.

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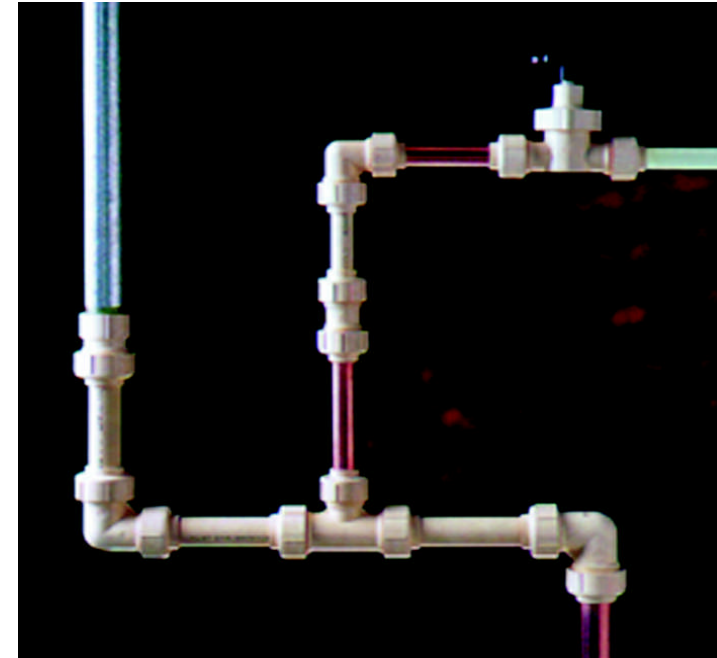
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UNIVERSAL FITTINGS



Joins to any type of water supply system piping

Genova
PRODUCTS

Match the number on the installation drawing to the list below. Genova manufactures a complete line of Universal fittings; only a select sample of fittings are listed here.

Part #	Part #	Description	Diagram#
54103	541031	1/4" Coupling	1
54153	541531	1/2"x1/4" Coupling	2
54105	541051	1/2" Coupling	3
54305	543051	1/2" Female Adapter	4
54405	544051	1/2" Male Adapter	5
53065	530651	1/2" x 1/4" Angle Supply Valve	6
53030	530301	1/2" x 1/4" Straight Supply Valve	7
54505	545051	1/2" Tee	8
54705	547051	1/2" 90° Elbow	9
54005	540051	1/2" Line Valve	10
54107	541071	3/4" Coupling	11
54307	543071	3/4" Female Adapter	12
54407	544071	3/4" Male Adapter	13
54507	545071	3/4" Tee	14
54707	547071	3/4" 90° Elbow	15
54007	540071	3/4" Line Valve	16
54055	540551	1/2" FIP Wing Elbow	19
53090	530901	1/2" Water Hammer Muffler	24
53027	530271	3/4" Gate Valve	25
53084	530841	12" Lavatory Riser	A
53086	530861	20" Lavatory Riser	A
53088	530881	36" Lavatory Riser	A
53080	530801	12" Closet Riser	B
53082	530821	20" Closet Riser	B

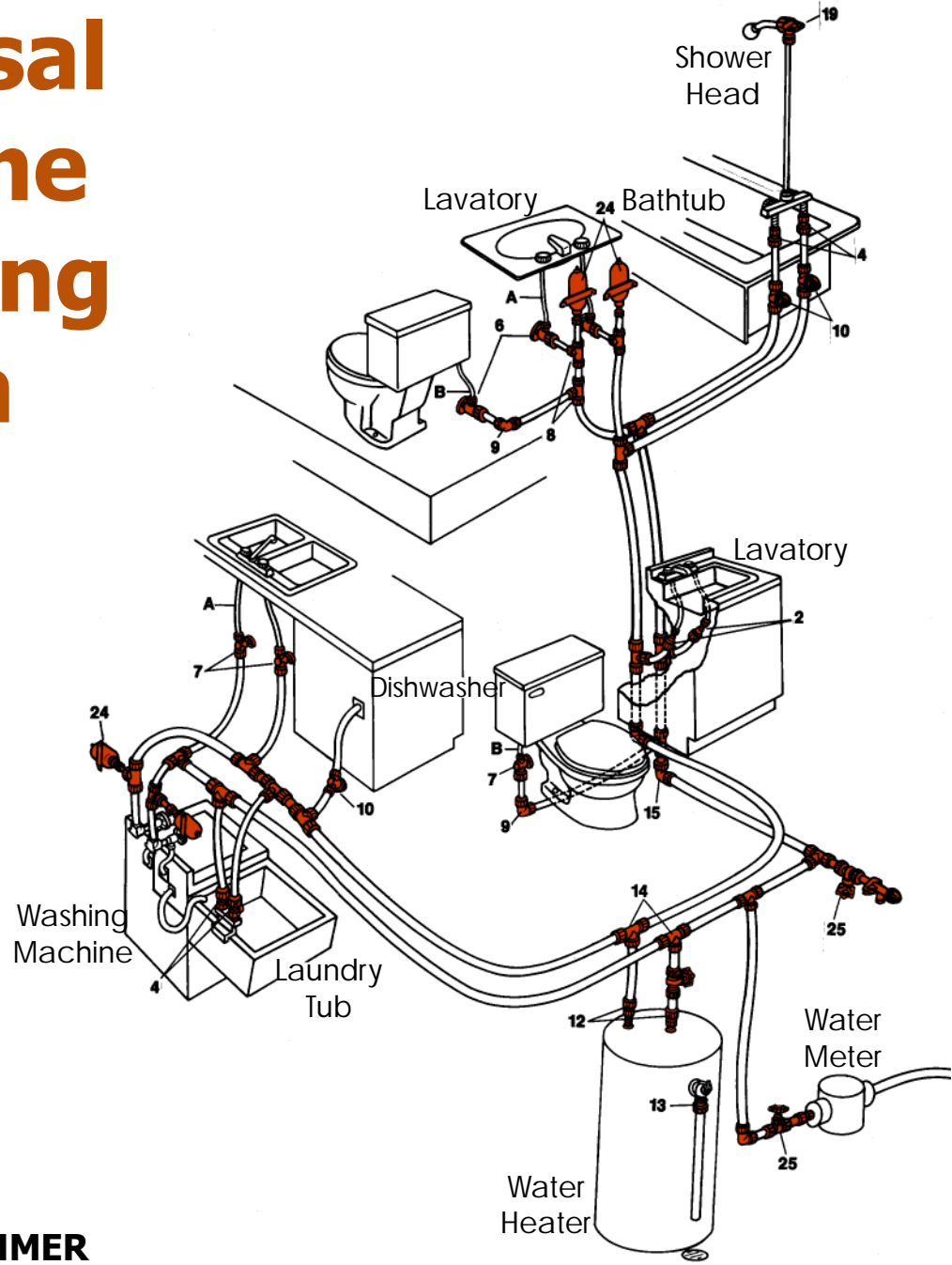
Water Supply Sizing Table For Fixture Units

Fixture	Pipe Size	PolyRiser™ Supply Tube Size
Toilet	1/2"	3/8"
Lavatory	1/2"	3/8"
Bathtub	1/2"	
Shower	1/2"	
Service Entrance Main	3/4"	
Water Heater	3/4"	

All sizes listed are nominal, which are approximately the same size as the inside diameter (I.D.). The outside diameter (O.D.) of CTS tubing is the nominal size plus 1/8".

Nominal Size	1/4"	3/8"	1/2"	3/4"
Outside Diameter	3/8"	1/2"	5/8"	7/8"

Universal In-Home Plumbing System



STOP WATER HAMMER

Genova's Water Hammer Muffler solves the age old problem of water hammer that is not only annoying, but also can cause costly damage to your hot and cold water pipes. It easily adapts to 1/2" PEX, CPVC, or copper tubing and should be installed on the pipes running to any faucet, fixture or appliance that causes pipes to bang when turned off rapidly.



When the faucet is running, water flows under pressure with Genova's Water Hammer Muffler. Note that the pleated balloon is deflated. When the faucet is shut off, the Water Hammer Muffler absorbs the shock of quick shut-offs. The balloon is now inflated.