

PVC Pipe Fittings Chart: Your Quick Reference Guide

Building or fixing a PVC pipe system? You'll need the right fittings to connect, change direction, or cap off your pipes. This chart gives you a quick rundown of the most common PVC pipe fittings, what they do, and what sizes you'll typically find them in. It's a handy reference for any DIY plumbing or irrigation project. You can print this out or save the PDF for your toolbox.

FITTING TYPE ↕	COMMON USES ↕	TYPICAL SIZES (NOMINAL PIPE SIZE - NPS)	KEY FEATURE/BENEFIT ↕
90-Degree Elbow	Changing the direction of a pipe run by 90 degrees.	1/2" to 6"	Makes sharp, perpendicular turns. Essential for routing pipes around corners.
45-Degree Elbow	Changing the direction of a pipe run by 45 degrees; creating gradual bends.	1/2" to 6"	Creates smoother transitions, reducing pressure loss and improving flow compared to two 90-degree elbows.
Tee	Diverting flow or adding a branch line at a 90-degree angle to the main pipe.	1/2" to 6"	Allows for easy creation of T-junctions. Available in reducing sizes to connect different pipe diameters.
Coupling	Joining two pieces of pipe of the same diameter in a straight line.	1/2" to 8"	Simple and direct way to extend a pipe run. Slip-fit for solvent welding.
Reducer Coupling	Connecting two pipes of different diameters in a straight line.	1" x 3/4", 2" x 1", 3" x 2" etc.	Transitions smoothly between pipe sizes, helping manage flow and pressure changes.
Cap	Closing off the end of a pipe run permanently or for pressure testing.	1/2" to 6"	Provides a leak-proof seal at the end of a pipe. Often solvent welded.
Plug (Threaded)	Sealing off a female threaded opening temporarily or permanently.	1/2" to 2"	Removable closure for threaded ports, useful for future expansion or maintenance.
Union	Connecting two pipes that need to be easily disconnected for maintenance or equipment removal.	1/2" to 4"	Allows for quick assembly and disassembly without cutting pipes, saving time and effort.
Male Adapter (MTA)	Connecting a PVC pipe to a female threaded fitting or valve.	1/2" to 4"	Combines a slip-fit end for PVC pipe with a male NPT (National Pipe Taper) thread.
Female Adapter (FTA)	Connecting a PVC pipe to a male threaded fitting or valve.	1/2" to 4"	Combines a slip-fit end for PVC pipe with a female NPT thread. Often used to connect to metal pipes.
Wye (Y-Fitting)	Creating a branch connection at a 45-degree angle, primarily for drainage systems to prevent clogs.	1 1/2" to 6"	Promotes smoother flow in drain, waste, and vent (DWV) systems, reducing blockages.
Reducing Bushing (Spigot x FPT)	Reducing the size of a larger female fitting opening to accept a smaller male pipe or fitting.	2" x 1 1/2", 1 1/2" x 1", etc.	Versatile for adapting existing fittings to smaller pipe sizes without needing a full reducer fitting.

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