







PVC Irrigation Insert Pipe Fittings, Schedule 40







- Temp. range: 32° to 140°F
- Gray color, except 22FM91 Make Adapter is white
- Tees read: run x run x outlet








Fittings work in cold water applications where the fluid temperature does not exceed 140°F. They are for low-pressure use in irrigation, pools, pumps, wells, and other outdoor cold water applications. Not

intended for hot or cold systems within residences or buildings, or for use with compressed air or gases. Fittings insert inside flexible polyethylene tubing and secure with worm drive clamps (sold separately on page 2532). PVC is a strong thermoplastic that resists ultraviolet (UV), acids, alkanols, oils, and many corrosive inorganic chemicals, making it resistant to the corrosive effects of sewage.

Insert x insert are barbed or inserted on both ends. **Insert x threaded** are barbed or inserted on one end with threading on the other end. **Insert x socket** are barbed or inserted on one end with a socket on the other end. The socket end, also called a hub or slip end, fits over the end of a pipe and requires glue or adhesive to seal connection.

	Fitting Pipe Size	Pipe Fitting Connection Type	Item No.
Insert x Insert Pipe Fittings			
90° Insert Elbow			
	1/2"	M Insert x M Insert	6MM71
	3/4"	M Insert x M Insert	6MM72
	1"	M Insert x M Insert	6MM73
	1 1/4"	M Insert x M Insert	6MM74
	1 1/2"	M Insert x M Insert	22FN05
	2"	M Insert x M Insert	22FN06
90° Reducing Elbow			
	3/4" x 1/2"	M Insert x M Insert	22FN71
	1" x 3/4"	M Insert x M Insert	22FN72
Coupling			
	1/2"	M Insert x M Insert	6MM75
	3/4"	M Insert x M Insert	6MM76
	1"	M Insert x M Insert	6MM77
	1 1/4"	M Insert x M Insert	6MM78
	2"	M Insert x M Insert	22FN19
	3"	M Insert x M Insert	22FN81
	4"	M Insert x M Insert	22FN82
Cross Insert			
	3/4"	M Insert	22FN79
	1"	M Insert	22FN80
Reducing Coupling			
	3/4" x 1/2"	M Insert x M Insert	22FN20
Reducing Tee			
	3/4" x 1/2" x 3/4"	M Insert x M Insert x M Double Helix	22FN43
	3/4" x 3/4" x 1/2"	M Insert	22FN44
	1" x 1/2" x 1"	M Insert x M Insert x M Double Helix	22FN45
	1" x 1" x 1/2"	M Insert	22FN46
	1 1/4" x 1" x 1 1/4"	M Insert	22FN03
	1 1/4" x 1 1/4" x 1 1/4"	M Insert	6MM70
	1 1/2" x 3/4" x 1 1/2"	M Insert	22FN50
	1 1/2" x 1" x 1 1/2"	M Insert	22FN04
	2" x 1" x 2"	M Insert	22FN51
2" x 2" x 1 1/2"	M Insert	22FN52	

	Fitting Pipe Size	Pipe Fitting Connection Type	Item No.
Straight Plug			
	1/2"	Insert	22FN34
	3/4"	Insert	22FN34
	1"	Insert	22FN35
	1 1/4"	Insert	22FN36
	1 1/2"	Insert	22FN37
	2"	Insert	22FN38
	2"	Insert	22FN39
Tee			
	1/2"	M Insert	6MM67
	3/4"	M Insert	6MM68
	1"	M Insert	6MM69
	1 1/2"	M Insert	22FN96
	2"	M Insert	22FM97
	3"	M Insert	22FN41
Insert x Threaded Pipe Fittings			
90° Insert Elbow			
	1/2"	M Insert x FNPT	22FN07
	1/2"	M Insert x MNPT	22FN13
	3/4"	M Insert x FNPT	22FN08
	3/4"	M Insert x MNPT	22FN14
	1"	M Insert x FNPT	22FN09
	1"	M Insert x MNPT	22FN15
	1 1/4"	M Insert x MNPT	22FN16
	1 1/2"	M Insert x FNPT	22FN11
	1 1/2"	M Insert x MNPT	22FN17
	2"	M Insert x FNPT	22FN12
	2"	M Insert x MNPT	22FN18
	90° Reducing Elbow		
	3/4" x 1/2"	M Insert x FNPT	22FN73
	1" x 1/2"	M Insert x FNPT	22FN74
	1" x 3/4"	M Insert x FNPT	22FN75
	1 1/4" x 3/4"	M Insert x FNPT	22FN76
	1 1/4" x 1"	M Insert x FNPT	22FN77
	1 1/2" x 1"	M Insert x FNPT	22FN78
Adapter Insert			
	1/2"	M Insert x MNPT	6MM79
	3/4"	M Insert x MNPT	6MM80
	1"	M Insert x MNPT	6MM81
	1 1/4"	M Insert x MNPT	6MM82
	3"	M Insert x FNPT	22FN88
Female Adapter			
	1/2"	M Insert x FNPT	22FN26
	3/4"	M Insert x FNPT	22FN27
	1"	M Insert x FNPT	22FN28
	1 1/4"	M Insert x FNPT	22FN29
	1 1/2"	M Insert x FNPT	22FN30
	2"	M Insert x FNPT	22FN31

	Fitting Pipe Size	Pipe Fitting Connection Type	Item No.
Female Adapter Tee			
	3/4"	M Insert x M Insert x FNPT	22FN54
Male Adapter			
	1 1/2"	M Insert x MNPT	22FN32
	2"	M Insert x MNPT	22FN33
Male Adapter Tee			
	1/2"	M Insert x M Insert x MNPT	22FN67
	3/4"	M Insert x M Insert x MNPT	22FN68
	1"	M Insert x M Insert x MNPT	22FN69
Reducing Adapter			
	1" x 1/2"	M Insert x FNPT	22FN90
	1" x 1 1/2"	M Insert x MNPT	22FN99
	1 1/4" x 1"	M Insert x MNPT	22FN94
	1 1/4" x 1"	MNPT x M Insert	22FN96
	1 1/2" x 1"	M Insert x MNPT	22FN95
	1 1/2" x 1 1/4"	MNPT x M Insert	22FP01
	2" x 1 1/2"	M Insert x MNPT	22FP02
Reducing Adapter Tee			
	3/4" x 1/2" x 3/4"	M Insert x M Insert x FNPT	22FN57
	1" x 1" x 1/2"	M Insert x M Insert x FNPT	22FN59
	1 1/4" x 1/2" x 1 1/4"	M Insert x M Insert x FNPT	22FN61
Insert x Socket Pipe Fittings			
Adapter Insert			
	1"	M Insert x M Spigot	22FN87
Male Adapter			
	2"	FSocket x M Insert	22FM91

CPVC Pipe & Pipe Nipples, Schedule 80

- Low-pressure (100-299 psi)
- Medium-pressure (300-999 psi)

Nontoxic CPVC (chlorinated polyvinyl chloride) is a lightweight, strong, rigid thermoplastic material that resists corrosion, chemicals, and rust. CPVC is immune to damage from highly chlorinated water and resists most acids, aliphatic solutions, bases, halogens, oxidants, and salts. Thicker walls than Schedule 40, but not as thick as Schedule 160, it is used to transport potable water, corrosive liquids, and sewage. Use PTFE tape to secure seal.



Nominal Pipe Size	Overall Length 10-ft		Nominal Pipe Size	Overall Length	Item No.	Overall Length											
	Item No.	Item No.				2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"			
Schedule 80 Unthreaded Medium Pressure Pipe, Gray						Schedule 80 Fully Threaded Medium Pressure Nipples, MNPT, Gray											
1/2"	6MZ10	1 19/100"	1/2"	3TPV4	1/2"	6MX60	—	6MX61	6MX62	6MX63	2PLZ7	—	22EY18	22EY28			
3/4"	6MZ11	1 19/50"	3/4"	6MX65	3/4"	6MX55	—	6MX66	6MX67	2PLZ8	6MX69	—	22EY19	22EY29			
1"	6MZ12	1 1/2"	1"	6MX70	1"	22JZ85	—	6MX72	6MX73	2PLZ9	6MX74	—	22EY20	22EY30			
1 1/4"	6MZ13	1 69/100"	1 1/4"	2PMA2	1 1/4"	22JZ86	—	2PMA3	2PMA4	2PMA5	2PMA6	—	22EY21	22EY31			
1 1/2"	6MZ14	1 3/4"	1 1/2"	22JZ87	1 1/2"	6MX81	—	6MX82	6MX83	2PMA7	2PMA8	—	22EY22	22EY32			
2"	6MZ15	2"	2"	2PMA9	2"	22EY10	22JZ88	2PMC1	2PMC2	2PMC3	2PMC4	—	22EY23	22EY33			
2 1/2"	1VG09	2 1/2"	2 1/2"	1VGU9	2 1/2"	—	—	1VGU2	1VGU4	—	—	—	22EY15	22EY24			
3"	1VEV8	3"	3"	1VGW1	3"	—	—	1VGW3	1VGW5	1VGW7	1VGW9	—	22EY16	22EY25			
4"	1VEW1	4"	4"	1VGX2	4"	—	—	22EY13	22JZ89	—	1VGX8	—	22EY17	22EY26			
6"	22FR50	—	—	—	6"	—	—	—	—	—	22EY38	—	22EY39	22EY40			
8"	22FR51	—	—	—	—	—	—	—	—	—	—	—	—	22EY36			