

## Pipe Fittings

These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

## Fittings, Side Outlet, Rigid

These fittings allow installation of a perpendicular branch line of reduced size, while joining inline pipes of equal diameters. These fittings bolt over a hole in the run pipe, and allow installation of a perpendicular branch line of reduced size. The maximum branch line size is one pipe size reduced from the run pipe size.

### Models XGQT3, XGQT3S

<b>Product Designation</b>	<b>Nominal Run by Outlet Sizes, mm</b>	<b>Fitting Description</b>	<b>Remarks</b>	<b>Rated Working Pressure, psi (kPa)</b>
Model XGQT3	60.3 x 33.7, 42.4, 48.3 73.0 x 33.7, 42.4, 48.3 76.1 x 33.7, 42.4, 48.3, 60.3 114.3 x 33.7, 42.4, 48.3, 60.3, 73.0, 76.1, 88.9 139.7 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3 165.1 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3 168.3 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3 219.1 x 73.0, 88.9, 114.3, 139.7, 165.1, 168.3	Mechanical Tee (Grooved Outlet)	a, b, c, d, e, f	300 (2070)
Model XGQT3S	60.3 x 21.3, 26.1, 33.7, 42.4, 48.3 73.0 x 21.3, 26.1, 33.7, 42.4, 48.3, 60.3 76.1 x 33.7, 42.4, 48.3 88.9 x 21.3, 33.7, 42.4, 48.3, 60.3 108 x 33.7, 42.4, 48.3, 60.3 114.3 x 33.7, 42.4, 48.3, 60.3, 76.1 133 x 33.7, 42.4, 48.3, 60.3, 76.1 139.7 x 33.7, 42.4, 48.3, 60.3, 76.1 159 x 33.7, 42.4, 48.3, 60.3, 76.1 165.1 x 33.7, 42.4, 48.3, 60.3, 76.1 168.3 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9 219.1 x 33.7, 42.4, 48.3, 60.3, 76.1	Mechanical Tee (Threaded Outlet)	a, b, c, d, e, f	300 (2070)

#### Remarks:

- Min schedule cut groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
- Min schedule rolled groove pipe to be joined: 6 in. or smaller - Schedule 40; 8 in. or larger - Schedule 30
- Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch - 0.250 in. wall
- With Grade E EPDM gasket
- FM Approved for use with rolled groove GB/T3091-2008 steel sprinkler pipe with comparable wall thicknesses to Schedule 10 steel sprinkler pipe per ASME B36.10-2004 specifications.
- FM Approved for use with rolled or cut groove GB/T3091-2008 steel sprinkler pipe with comparable wall thicknesses to Schedule 40 steel sprinkler pipe per ASME B36.10-2004 specifications.

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<b>New/Updated Product Listing:</b>	No
<b>Listing Country:</b>	China
<b>Certification Type:</b>	FM Approved