

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).

Welded Pipe Outlets

A fitting that covers a hole in the side of a sprinkler pipe that is welded in place by a qualified welder. The largest outlet that may be installed on the run pipe is one size reduced. Rated working pressure is as specified in each listing.

Model BNO and BNOG

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Run Pipe Size, in.</i>	<i>Nominal Outlet Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
BNO	Welded Pipe Outlet	1, 1-1/4, 1-1/2, 2, 3, 4, 6	1/2	300 (2070)	a
	Threaded	1, 1-1/2, 2, 2-1/2, 3, 4, 6	3/4		
		1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 6	1		
		1-1/2, 2, 2-1/2, 3, 4, 6	1-1/4		
		2, 2-1/2, 3, 4, 6	1-1/2		
		2-1/2, 3, 4, 6, 8	2		
		3, 4, 6, 8	2-1/2		
		4, 6, 8	3		
		6, 8	4		
BNOG	Welded Pipe Outlet	1-1/2, 2, 2-1/2, 3, 4, 6	1-1/4	300 (2070)	a
	Grooved	2, 2-1/2, 3, 4, 6	1-1/2		
		2-1/2, 3, 4, 6, 8	2		
		3, 4, 6, 8	2-1/2		

		4, 6, 8	3	
		6, 8	4	
		8	6	

Remarks:

- a. Outlet connection achieved by welding fitting to pipe. Requires precutting of hole in pipe.

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