

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).

Compression Type

These fittings are designed to be assembled onto plain end pipe with a compression tool. Unless otherwise specified in the listing the fittings are Approved for use with Schedule 5 steel pipe. The fittings are suitable for use in aboveground sprinkler systems only. The assembled system of pipe and compression fittings is considered rigid.

R27 Series

Product Specification

Model No	Description	Nominal Pipe Size, mm	Rated Working Pressure		Remarks
			psi	(kPa)	
R2701	STRAIGHT COUPLING (2XS-PR)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2702	STRAIGHT CONNECT (S-PRXFEM)	22x1/2, 22x3/4, 22x1, 28x1/2, 28x3/4, 28x1, 28xNPT1, 28x5/4, 35x1, 35x5/4, 35x3/2, 42x5/4, 42x3/2, 54x3/2, 54x2	175	(1205)	a, b, c, e, f, g
R2703	SLIP COUPLING (2XS-PR)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2704	STRAIGHT TAP CON.(S-PRXFEM)	22x1, 28x5/4, 35x3/2, 42x1 3/4, 54x2 3/8	175	(1205)	a, b, c, e, f, g
R2705	STRAIGHT CON. (S-PRXMALE)	22X1/2, 22X3/4, 22X1, 28X3/4, 28X1, 28X5/4, 35X1, 35X5/4, 35X3/2, 42X5/4, 42X3/2, 54X3/2, 54X2, 76.1xR2 1/2, 88.9xR3	175	(1205)	a, b, c, e, f, g
R2707	REDUCER (ØXS-PR)	28X22, 35X22, 35X28, 42X22, 42X28, 42X35, 54X22, 54X28, 54X35, 54X42, 76.1x42, 76.1x54, 88.9x54, 88.9x76.1, 108x54, 108x76.1, 108x88.9	175	(1205)	a, b, c, e, f, g
R2708	ELBOW 90° (2 X S-PR)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2709	ANGLE CON. 90° (S-PRXFEM)	22xRp1/2, 22X3/4, 28xRp1/2, 28x3/4, 28X1, 35xRp1/2, 35xRp3/4, 35xRp1, 35X5/4	175	(1205)	a, b, c, e, f, g
R2711	ELBOW 90° (S-PRXØ)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2712	ELBOW 45° (S-PRXØ)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2713	ELBOW 45° (2 X S-PR)	22x22, 28x28, 35x35, 42x42, 54x54, 76.1x76.1, 88.9x88.9, 108x108	175	(1205)	a, b, c, e, f, g
R2714	TEE EQUAL (3XS-PR)	22X22X22, 28X28X28, 35X35X35, 42X42X42, 54X54X54, 76.1x76.1x76.1, 88.9x88.9x88.9, 108x108x108	175	(1205)	a, b, c, e, f, g

R2715	TEE REDUCED (3XS-PR)	28X22X28, 35X22X35, 35X28X35, 42X22X42, 42X28X42, 42X35X42, 54X22X54, 54X28X54, 54X35X54, 54X42X54, 76.1x22x76.1, 76.1x28x76.1, 76.1x35x76.1, 76.1x42x76.1, 76.1x54x76.1, 88.9x22x88.9, 88.9x28x88.9, 88.9x35x88.9, 88.9x42x88.9, 88.9x54x88.9, 88.9x76.1x88.9, 108x22x108, 108x28x108, 108x35x108, 108x42x108, 108x54x108, 108x76.1x108, 108x88.9x108	175	(1205)	a, b, c, e, f, g
R2717	CROSSOVER S-PR (ØXØ)	22X22, 28X28	175	(1205)	a, b, c, e, f, g
R2718	TEE (S-PRXFEMXS-PR)	22X1/2X22, 22X3/4X22, 28X1/2X28, 28X3/4X28, 28xRp1x28, 35X1/2X35, 35X3/4X35, 35xRp1x35, 35xNPT1x35, 42X1/2X42, 42X3/4X42, 42xRp1x42, 54X1/2X54, 54X3/4X54, 54xRp1x54, 54X2X54, 76.1x3/4x76.1, 76.1x2x76.1, 88.9X3/4X88.9, 88.9x2x88.9, 108x3/4x108, 108x2x108,	175	(1205)	a, b, c, e, f, g
R2722	BENT PIPE 15° S-PR (ØXØ)	28x28, 35x35, 42x42, 54x54	175	(1205)	a, b, c, e, f, g
R2723	BENT PIPE 30° S-PR	28x28, 35x35, 42x42, 54x54	175	(1205)	a, b, c, e, f, g
R2724	BENT PIPE 60° S-PR (ØXØ)	28x28, 35x35, 42x42, 54x54	175	(1205)	a, b, c, e, f, g
R2725	BENT PIPE 90° S-PR (ØXØ)	22x22, 28x28, 35x35, 42x42, 54x54	175	(1205)	a, b, c, e, f, g
R2726	FLANGE CONNECTOR PN10/16 S-PR	22, 28, 35, 42, 54, 76.1 mm, 88.9 mm, 108 mm	175	(1205)	a, b, c, e, f, g
R2728	ANGLE CON. 90° (S-PRXMALE)	22X3/4, 28X1, 35X5/4, 42X3/2, 54X2	175	(1205)	a, b, c, e, f, g
R2729	ENDCOUPLING	22 S PR, 28 S PR, 35 S PR, 42 S PR, 54 S PR, 76.1 mm, 88.9 mm, 108 mm	175	(1205)	a, b, c, e, f, g
R2735	STRAIGHT UNION (S-PRXMALE)	22X1/2, 22X3/4, 22X1, 28X1, 35X11/4, 42X11/2, 54X2	175	(1205)	a, b, c, e, f, g
R2736	PUMP CONNECTOR S-PR	22X1.1/4, 22X1.1/2, 28X1.1/2, 35X2, 42X2.1/4, 54X2.3/4	175	(1205)	a, b, c, e, f, g
R2738	STRAIGHT UNION (S-PRXFEM)	22X3/4, 22 X1, 28X1, 35X11/4, 42X11/2, 54X2	175	(1205)	a, b, c, e, f, g
R2748	Transition for grooved couplings Groove x Press	28, 35, 42, 54, 76.1, 88.9, 108 76.1 x 73	175	(1205)	a, b, c, e, f, g

Remarks:

a. Stainless steel.

b. For use with 'VSH Fittings' FM Approved tube.

c. FM Approved with the EDPM EP313, EPDM EP11/7/4 and EDPM EP737 'O-Ring'.

d. FM Approved for wet sprinkler systems only.

e. FM Approved for use with the following assembly press tools: Novopress ECO 301, Novopress ECO 201, Novopress ECO 203, Novopress ACO 201, Novopress ACO202, Novopress ACO 203, Novopress AFP 101 and Klauke UNP 2, Novopress ACO 401, Klauke UAP 100 and Klauke UAP 100L

f. FM Approved for use in sprinkler branch lines only.

g. FM Approved for use in sprinkler systems when joined to the sprinkler trunk pipework by FM Approved "Transition Fitting".

Company Name:	Aalberts integrated piping systems BV
Company Address:	Oude Amersfoortseweg 99, 1212 AA Hilversum, Box 498, 1200 AL Hilversum, The Netherlands
Company Website:	http://vsh.nl
New/Updated Product Listing:	No
Listing Country:	Netherlands
Certification Type:	FM Approved

Class of Work: 1920-Coupling & Fitting, All Type
