



Certificate of Compliance

This certificate is issued for the following:

Steel Sprinkler Pipe Assemblies
Sizes: 1 through 8 inch NPS
(As shown in attached listing)

Prepared for:

Tubasys SL
Vial C, Parcelas G4 & G5
Poligono Industrial de Carballo
Carballo,
La Coruna, 15105
Spain

Manufactured at:

Tubasys SL
Vial C, Parcelas G4 & G5
Poligono Industrial de Carballo
Carballo,
La Coruna, 15105
Spain

Tubasys SL
Parcela 1.1
Avenida de Europa
Poligono Ind. La Nava
Puertollano, 13500
Spain

FM Approvals Class: 1920

Approval Identification: 0003050018

Approval Granted: May 5, 2014

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'Richard B. Dunne'.

Richard B. Dunne
Manager, Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



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Nominal Run Pipe Size, in.	Outlet Connection	Nominal Outlet Size, in.	Rated Working Pressure, psi (kPa)	Remarks
1	Threaded	1/2, 3/4	300 (2070)	a, b, c, d, e, f
1 1/4	Threaded	1/2, 3/4, 1	300 (2070)	a, b, c, d, e, f
1 1/2	Threaded	1/2, 3/4, 1, 1-1/4	300 (2070)	a, b, c, d, e, f
2	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2	300 (2070)	a, b, c, d, e, f
76.1 mm	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	a, b, c, d, e, f
3	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	a, b, c, d, e, f
4	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	a, b, c, d, e, f
139.7 mm	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	a, b, c, d, e, f
165.1 mm	Threaded	1/2, 3/4, 1	300 (2070)	a, d, e, f
6	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	b, c, d, e, f
8	Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	b, c, d, e, f
1 1/4	Grooved End	1	300 (2070)	a, b, c, f
1 1/2	Grooved End	1, 1 1/4	300 (2070)	a, b, c, f
2	Grooved End	1, 1 1/4, 1 1/2	300 (2070)	a, b, c, f
76.1 mm	Grooved End	1, 1 1/4, 1 1/2, 2	300 (2070)	a, b, c, f
3	Grooved End	1, 1 1/4, 1 1/2, 2, 2-1/2	300 (2070)	a, b, c, f
3	Grooved End	76.1mm	300 (2070)	a, b, f
4	Grooved End	1, 1 1/4, 1 1/2, 2, 2-1/2, 3	300 (2070)	a, b, c, f
4	Grooved End	76.1mm	300 (2070)	a, b, f
139.7 mm	Grooved End	1, 1 1/4, 1 1/2, 2, 3, 4	300 (2070)	a, b, c, f
139.7 mm	Grooved End	76.1mm	300 (2070)	a, f
165.1 mm	Grooved End	1, 1 1/4, 1 1/2, 2, 3, 4	300 (2070)	a, f
165.1 mm	Grooved End	76.1mm	300 (2070)	a, f
6	Grooved End	1, 1 1/4, 1 1/2, 2, 2-1/2, 3, 4	300 (2070)	b, c, f



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Nominal Run Pipe Size, in.	Outlet Connection	Nominal Outlet Size, in.	Rated Working Pressure, psi (kPa)	Remarks
6	Grooved End	76.1mm	300 (2070)	b, c, f
8	Grooved End	1, 1 1/4, 1 1/2, 2, 2-1/2, 3, 4	300 (2070)	b, c, f
8	Grooved End	76.1mm	300 (2070)	b, c, f

- a. Approved when manufactured using the following EN10255 pipe dimensions:

Outside Diameter (OD), mm	Wall Thickness, mm
33.7, 42.4	2.6, 2.9, 3.2
48.3	2.9, 3.2
60.3	2.9, 3.2, 3.6
76.1	3.2, 3.6
88.9	3.2, 3.6, 4.0
114.3	3.6, 4.0, 4.5
139.7	3.7, 4.0, 4.5, 5.0
165.1	4.0, 4.5, 5.0

- b. Approved when manufactured using the following EN 10216-1 pipe dimensions:

Outside Diameter (OD), mm	Wall Thickness, mm
33.7, 42.4, 48.3	2.6
60.3, 76.1	2.9
88.9	3.2
114.3	3.6
139.7	4.0
168.3	4.5, 5.0
219.1	6.3



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- c. Approved when manufactured using the following EN 10217-1 pipe dimensions:

Outside Diameter (OD), mm	Wall Thickness, mm
33.7, 42.4, 48.3, 60.3	2.3, 2.6
76.1	2.6, 2.9
88.9	2.9, 3.2
114.3	3.2, 3.6
139.7	3.6, 4.0, 4.5
168.3	4.0, 4.5
219.1	4.5, 5.0, 6.3

- d. Threaded outlets are considered FM Approved when supplied with NPT taper pipe threads conforming to ANSI/ASME B1.20.1.
- e. Threaded outlets are considered FM Approved when supplied with BSP pipe threads conforming to EN 12226-1 (BS 21)
- f. Maximum Run Pipe length of 12 meters



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