Certificate of Compliance

This certificate is issued for the following:

Fire Pump Flowmeter Systems
(See complete listing details below)

Prepared for:

Quest Engineering dba Gerand Engineering
2300 Edgewood Avenue South
St. Louis Park, MN 55426

FM Approvals Class: 1046

Approval Identification: 3058542 Approval Granted: April 26, 2016

To verify the product continues to be Approved 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.

David B. Fuller
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FM Approvals
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Certificate of Compliance

Pump Rating, gal/min (dm³/min)	*Nominal Meter Line Size in.*	*Model Designation*	
		Venturi (1)	*Orifice (2)*
25 (95)	1 1⁄4	GV-25-1 1⁄4	-
50 (190)	2	GV-50-2	-
100 (380)	2 1⁄2	GV-100-2 1⁄2	GO-100-2 1⁄2
150 (570)	3	GV-150-3	GO-150-3
200 (755)	3, 4	GV-200-3, 4	GO-200-3, 4
250 (945)	4, 5	GV-250-4, 5	GO-250-4, 5
300 (1135)	4	GV-300-4	GO-300-4
400 (1515)	4, 5	GV-400-4, 5	GO-400-4, 5
450 (1705)	4, 5	GV-450-4, 5	GO-450-4, 5
500 (1895)	5, 6	GV-500-5, 6	GO-500-5, 6
750 (2840)	5, 6	GV-750-5, 6	GO-750-5, 6
1000 (3785)	6, 8	GV-1000-6, 8	GO-1000-6, 8
1250 (4730)	6, 8	GV-1250-6, 8	GO-1250-6, 8
1500 (5680)	8, 10	GV-1500-8, 10	GO-1500-8, 10
2000 (7570)	8, 10	GV-2000-8, 10	GO-2000-8, 10
2500 (9465)	8, 10	GV-2500-8, 10	GO-2500-8, 10
3000 (11 355)	8, 10	GV-3000-8, 10	GO-3000-8, 10

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Pump Rating, gal/min (dm³/min)	*Nominal Meter Line Size in.*	*Model Designation*	
		Venturi (1)	*Orifice (2)*
3500 (13 245)	10, 12	GV-3500-10, 12	GO-3500-10, 12
4000 (15 140)	10, 12	GV-4000-10, 12	GO-4000-10, 12
4500 (17 035)	10, 12	GV-4500-10, 12	GO-4500-10, 12
5000 (18 925)	10, 12	GV-5000-10, 12	GO-5000-10, 12

Each system consists of a Gerand Venturi (GV) or a Gerand Orifice (GO), a differential meter reading in gpm or dm³ /min and associated fittings.

GV systems can be equipped with either a 4 1⁄2 in. dial meter (Gerand Model K) or a 6 in. dial meter (Gerand Model M). GO systems are only available with a 4 1⁄2 in. dial meter (Gerand Model I). Permanent installations (wall or panel mount) or portable installations are available on all systems. Rated working pressure is 500 psi (3445 kPa) except that:

GV systems with Model M dial meter have a rated working pressure of 175 psi (1205 kPa).

GV systems with Model K dial meter and Class 150 flanges have a rated working pressure of 275 psi (1905 kPa).

The following end-connection styles are available:

Venturi (1)VS. Brass screw ends, 1 1⁄4 through 2 1⁄2 in.

Venturi (1)VW-B. Steel butt-welded ends, 2 1⁄2 through 12 in.

Venturi (1)V-GE. Steel grooved ends, 2 1⁄2 through 12 in.

Venturi (1)VW-F. Steel flanged ends, 2 1⁄2 through 12 in. Class 150 flanges rated at 275 psi (1905 kPa). Class 300 flanges rated at 500 psi (3445 kPa).

Orifice (2). Steel socket-welded ends with adaptability for flanging, 2 1⁄2 through 12 in.

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