Fire Pump Flowmeter Systems

Fire pump flowmeters may be used to determine the discharge of a fire pump. Water from the pump is temporarily directed through the flowmeter, then to atmospheric drain or back to the water supply source.

These flowmeters are calibrated to measure the fire pump output directly in gal/min (dm^3 /min). A control valve is provided in the flowmeter line. This valve must be completely closed, except when the flowmeter is in use. Unless otherwise noted in the listing, these systems have 175 psi (1205 kPa) rated working pressure.

Fire Pump Flowmeter Systems (AYV 25 - 5000 and AYV G 25 – 5000)

Product Specification

Model No	Pump Rating		Meter Line Size	
	gpm	(Lpm)	in	(mm)
AYV-25-1 1/4	25	(95)	1 1/4	(32)
AYV-G-25-1 1/4	25	(95)	1 1/4	(32)
AYV-50-2	50	(190)	2	(50)
AYV-G-50-2	50	(190)	2	(50)
AYV-100-2 1/2	100	(380)	2 1/2	(65)
AYV-G-100-2 1/2	100	(380)	2 1/2	(65)
AYV-150-3	150	(570)	3	(80)
AYV-G-150-3	150	(570)	3	(80)
AYV-200-3	200	(755)	3	(80)
AYV-G-200-3	200	(755)	3	(80)
AYV-200-4	200	(755)	4	(100)
AYV-G-200-4	200	(755)	4	(100)
AYV-250-4	250	(945)	4	(100)
AYV-G-250-4	250	(945)	4	(100)
AYV-250-5	250	(945)	5	(125)
AYV-G-250-5	250	(945)	5	(125)
AYV-300-4	300	(1135)	4	(100)
AYV-G-300-4	300	(1135)	4	(100)
AYV-400-4	400	(1515)	4	(100)
AYV-G-400-4	400	(1515)	4	(100)
AYV-400-5	400	(1515)	5	(125)
AYV-G-400-5	400	(1515)	5	(125)
AYV-450-4	450	(1705)	4	(100)
AYV-G-450-4	450	(1705)	4	(100)
AYV-450-5	450	(1705)	5	(125)
AYV-G-450-5	450	(1705)	5	(125)
AYV-500-5	500	(1895)	5	(125)
AYV-G-500-5	500	(1895)	5	(125)
AYV-500-6	500	(1895)	6	(150)
AYV-G-500-6	500	(1895)	6	(150)

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AYV-750-5	750	(2840)	5	(125)
AYV-G-750-5	750	(2840)	5	(125)
AYV-750-6	750	(2840)	6	(150)
AYV-G-750-6	750	(2840)	6	(150)
AYV-1000-6	1000	(3785)	6	(150)
AYV-G-1000-6	1000	(3785)	6	(150)
AYV-1000-8	1000	(3785)	8	(200)
AYV-G-1000-8	1000	(3785)	8	(200)
AYV-1250-6	1250	(4730)	6	(150)
AYV-G-1250-6	1250	(4730)	6	(150)
AYV-1250-8	1250	(4730)	8	(200)
AYV-G-1250-8	1250	(4730)	8	(200)
AYV-1500-8	1500	(5680)	8	(200)
AYV-G-1500-8	1500	(5680)	8	(200)
AYV-1500-10	1500	(5680)	10	(250)
AYV-G-1500-10	1500	(5680)	10	(250)
AYV-2000-8	2000	(7570)	8	(200)
AYV-G-2000-8	2000	(7570)	8	(200)
AYV-2000-10	2000	(7570)	10	(250)
AYV-G-2000-10	2000	(7570)	10	(250)
AYV-2500-8	2500	(9465)	8	(200)
AYV-G-2500-8	2500	(9465)	8	(200)
AYV-2500-10	2500	(9465)	10	(250)
AYV-G-2500-10	2500	(9465)	10	(250)
AYV-3000-8	3000	(11355)	8	(200)
AYV-G-3000-8	3000	(11355)	8	(200)
AYV-3000-10	3000	(11355)	10	(250)
AYV-G-3000-10	3000	(11355)	10	(250)
AYV-3500-10	3500	(13245)	10	(250)
AYV-G-3500-10	3500	(13245)	10	(250)
AYV-3500-12	3500	(13245)	12	(300)
AYV-G-3500-12	3500	(13245)	12	(300)
AYV-4000-10	4000	(15140)	10	(250)
AYV-G-4000-10	4000	(15140)	10	(250)
AYV-4000-12	4000	(15140)	12	(300)
AYV-G-4000-12	4000	(15140)	12	(300)
AYV-4500-10	4500	(17035)	10	(250)
AYV-G-4500-10	4500	(17035)	10	(250)
AYV-4500-12	4500	(17035)	12	(300)
AYV-G-4500-12	4500	(17035)	12	(300)
AYV-5000-10	5000	(18925)	10	(250)
AYV-G-5000-10	5000	(18925)	10	(250)

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AYV-5000-12	5000	(18925)	12	(300)
AYV-G-5000-12	5000	(18925)	12	(300)

Each system consists of a Haci Ayvaz Venturi (AYV), a differential meter reading in gpm or dm^3 /min and associated fittings.

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

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

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Company Website:	http://www.ayvaz.com
New/Updated Product Listing:	No
Listing Country:	Turkey
Certification Type:	FM Approved
Class of Work:	1046-Fire Pump Flow Meters

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