

# Report of Inspection, Testing, and Maintenance of Fire Pump

**Pump ID:** FP1

**Building Name:** Headquarters

**Building Owner:** Hydro Flow Products, Inc.

**Job Site:** 1330 Ensell Rd  
Lake Zurich, IL 60047

**Date of Test:** 2018-09-18

**Type of Test:** Acceptance Test



**HOSE MONSTER**  
COMPANY™

**Testing Firm:** The Hose Monster Company  
1330 Ensell rd  
Lake Zurich, Illinois 60047

**Testing Firm** John Smith  
**Contact:** [service@flowtest.com](mailto:service@flowtest.com)  
8474340101

## Customer Information

**Company Name:** The Hose Monster Company

**Phone Number:** 888-202-9987

**Fax Number:** 847-434-0073

**Email:** [service@flowtest.com](mailto:service@flowtest.com)

**Address:** 1330 Ensell Rd  
Lake Zurich, IL 60047

<b>Fire Pump</b>	
Pump ID:	FP1
Pump Type (check one):	<input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical In-Line <input type="checkbox"/> Vertical Turbine <input type="checkbox"/> End-Suction
Manufacturer:	Peerless
Model:	6AEF14G
Serial Number:	8474340101
Listed (check all that apply):	<input checked="" type="checkbox"/> FM <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> ULC
Rated Capacity (GPM):	1000
Total Dynamic Head (ft):	231
Head at Churn 0% (PSI):	120
Head at Rated 100% (PSI):	100
Head at Overload 150% (PSI):	67
Rated Speed (RPM):	3500
Pump Rotation:	<input checked="" type="checkbox"/> Clockwise <input type="checkbox"/> Counterclockwise
Suction From:	City
Impeller Diameter (In):	7.9
<b>Right Angle Gear</b>	
Gear Ratio:	0
<b>Fire Pump Driver</b>	
Type:	<input type="checkbox"/> Diesel Engine <input checked="" type="checkbox"/> Electric Motor <input type="checkbox"/> Other _____
Manufacturer:	U.S. Electric
Model:	DK79/FDF-1
Serial Number:	8474340101
Listed (check all that apply):	<input checked="" type="checkbox"/> FM <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> ULC
Rated HP:	75
Rated Speed (RPM):	3555
Frame Size:	364TS
Motor Enclosure Type:	ODP
<b>Electric Driver</b>	
Rated Voltage:	460
Rated Full Load Amps:	81.6
Phase:	3.0
Cycles (Hz):	60
Service Factor:	1.15
<b>Fire Pump Controller</b>	
Type:	Across-The-Line
Manufacturer:	Hubbell
Model:	LX-1200
Serial Number:	8474340101

Listed (check all that apply):	<input checked="" type="checkbox"/> FM <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> ULC
Rated HP:	2.0
Phase:	3.0
Cycles (Hz):	60
Rated Voltage:	480
On PSI:	165
Off PSI:	175
Type of Start:	Manual
Run Timer Setting (min):	0
<b>Jockey Pump</b>	
Manufacturer:	Burks
Model:	5CT5M
Serial Number:	8474340101
Rated HP:	1/2
Rated Speed (RPM):	3450
Rated Flow (GPM):	8
Rated Pressure (PSI):	85
Phase:	0
Cycles (Hz):	0
Rated Voltage:	208
Service Factor:	1.15
Rated Amps:	0
<b>Jockey Pump Controller</b>	
Manufacturer:	Mercoid
Listed (check all that apply):	<input checked="" type="checkbox"/> FM <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> ULC
Rated HP:	1.5
Phase:	3
Cycles (Hz):	60
Rated Voltage:	208
On PSI:	160
Off PSI:	165
<b>Other Information</b>	
Notes:	This is a sample fire pump. Manufactures, models, and serial numbers were made up.

## Test Results

<b>Date of Test:</b>	2018-09-18
<b>Type:</b>	Acceptance Test
<b>Fire Department Attendee:</b>	Inspector Donald Rimgale
<b>Building Representative Attendee:</b>	Ronald Bartel
<b>Testing Firm Attendee:</b>	Stephen McCaffrey
<b>Pump Manufacturer Attendee:</b>	John Adcox
<b>Flow Device Used:</b>	1 3/4" Nozzle Insert (HM2H)

	Pressures				Streams			Total Flow		Volts	Amps	Corrected		
	RPM	Disch.	Suct.	Net	Flow	1	2	3	Flow GPM			% Rated Capacity	Flow %	Press.
<b>1</b>	3574	164	44	120	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	HMNI1.75 -HM2H	0	0	490	76	0	115.1
					<b>PSI</b>	0	0	0			495	80		
					<b>GPM</b>	0	0	0			493	82		
<b>2</b>	3570	160	44	116	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	-	519	51.9	487	82	50.9	111.5
					<b>PSI</b>	8	9				491	85		
					<b>GPM</b>	251.8	267.1				488	87		
<b>3</b>	3566	155	44	111	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	-	755.5	75.6	486	88	74.2	106.9
					<b>PSI</b>	18	18				489	92		
					<b>GPM</b>	377.8	377.8				485	95		
<b>4</b>	3561	144	42	102	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	-	1030.7	103.1	484	95	101.3	98.5
					<b>PSI</b>	33	34				487	99		
					<b>GPM</b>	511.5	519.2				485	101		
<b>5</b>	3561	114	36	78	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	HMNI1.75 -HM2H	1387.8	138.8	483	94	136.4	75.4
					<b>PSI</b>	26	27	28			487	98		
					<b>GPM</b>	454	462.7	471.2			185	100		
<b>6</b>	3563	99	34	65	<b>Flow Device</b>	HMNI1.75 -HM2H	HMNI1.75 -HM2H	HMNI1.75 -HM2H	1534.4	153.4	483	94	150.7	62.7
					<b>PSI</b>	32	33	34			487	98		
					<b>GPM</b>	503.7	511.5	519.2			485	100		

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