

MFMII - Fire Line Meters (4", 6", 8", 10", 12")

4" MFMII						
Min Flow = 50 GPM			Max Flow = 1250 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	96.6	12.1	1.5	2414.3	301.8	37.7
Gallons per pulse	0.518	4.142	33.136	0.518	4.142	33.136
Pulse Length in seconds	0.311	2.485	19.882	0.012	0.099	0.795

6" MFMII						
Min Flow = 135 GPM			Max Flow = 2600 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	148.5	18.6	2.3	2859.8	357.5	44.7
Gallons per pulse	0.909	7.273	58.186	0.909	7.273	58.186
Pulse Length in seconds	0.202	1.616	12.93	0.01	0.084	0.671

8" MFMII						
Min Flow = 230 GPM			Max Flow = 5000 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	157.1	19.6	2.5	3414.4	426.8	53.4
Gallons per pulse	1.464	11.715	93.721	1.464	11.715	93.721
Pulse Length in seconds	0.191	1.528	12.224	0.009	0.07	0.562

10" MFMII						
Min Flow = 520 GPM			Max Flow = 7750 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	184.1	23	2.9	2743.1	342.9	42.9
Gallons per pulse	2.825	22.602	180.82	2.825	22.602	180.82
Pulse Length in seconds	0.163	1.304	10.432	0.011	0.087	0.699

12" MFMII						
Min Flow = 510 GPM			Max Flow = 8000 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	180.5	22.6	2.8	2831.6	353.9	44.2
Gallons per pulse	2.825	22.602	180.82	2.825	22.602	180.82
Pulse Length in seconds	0.166	1.33	10.636	0.011	0.085	0.678

MCTII - Compound Meters (2", 3", 4", 6", 8")

2" MCTII Main Line						
Min Flow = 10 GPM			Max Flow = 160 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	192.1	24	3	3074	384.2	48
Gallons per pulse	0.052	0.416	3.331	0.052	0.416	3.331
Pulse Length in seconds	0.156	1.249	9.994	0.0098	0.0781	0.625

2" MCTII Bypass						
Min Flow = ¼ GPM			Max Flow = 10 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	40.5	5.1	0.6	1618.6	202.3	25.3
Gallons per pulse	0.006	0.049	0.395	0.006	0.049	0.395
Pulse Length in seconds	0.741	5.931	47.45	0.019	0.148	1.186

3" MCTII Main Line						
Min Flow = 15 GPM			Max Flow = 320 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	115.6	14.4	1.8	2465.8	308.2	38.5
Gallons per pulse	0.13	1.038	8.306	0.13	1.038	8.306
Pulse Length in seconds	0.259	2.076	16.611	0.012	0.097	0.779

3" MCTII Bypass						
Min Flow = ½ GPM			Max Flow = 15 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	59.3	7.4	0.9	1777.8	222.2	27.8
Gallons per pulse	0.008	0.067	0.54	0.008	0.067	0.54
Pulse Length in seconds	0.506	4.05	32.4	0.017	0.135	1.08

4" MCTII Main Line						
Min Flow = 20 GPM			Max Flow = 500 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	68.7	8.6	1.1	1718.4	214.8	26.8
Gallons per pulse	0.291	2.328	18.622	0.291	2.328	18.622
Pulse Length in seconds	0.436	3.492	27.934	0.017	0.14	1.117

4" MCTII Bypass						
Min Flow = ¾ GPM			Max Flow = 20 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	39.4	4.9	0.6	1049.8	131.2	16.4
Gallons per pulse	0.019	0.152	1.219	0.019	0.152	1.219
Pulse Length in seconds	0.762	6.097	48.773	0.029	0.229	1.829

6" MCTII Main Line						
Min Flow = 65 GPM			Max Flow = 1000 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	58.1	7.3	0.9	893.8	111.7	14
Gallons per pulse	1.119	8.951	71.604	1.119	8.951	71.604
Pulse Length in seconds	0.516	4.131	33.048	0.034	0.269	2.148

6" MCTII Bypass						
Min Flow = 1-1/2 GPM			Max Flow = 65 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	36.4	4.5	0.6	1576.1	197	24.6
Gallons per pulse	0.041	0.33	2.639	0.041	0.33	2.639
Pulse Length in seconds	0.825	6.599	52.789	0.019	0.152	1.218

8" MCTII Main Line						
Min Flow = 75 GPM			Max Flow = 1600 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	58.4	7.3	0.9	1244.8	155.6	19.5
Gallons per pulse	1.285	10.283	82.262	1.285	10.283	82.262
Pulse Length in seconds	0.514	4.113	32.905	0.024	0.193	1.542

8" MCTII Bypass					
Min Flow = 2 GPM			Max Flow = 75 GPM		
<i>At Min Flow:</i>			<i>At Max Flow:</i>		
Terminal			Terminal		
A	B	C	A	B	C
30	3.7	0.5	1123.4	140.4	17.6
0.067	0.534	4.273	0.067	0.534	4.273
1.001	8.012	64.094	0.027	0.214	1.709

Horizon - Horizontal Turbine Meters (1-1/2", 2", 3", 4", 6", 8", 10")

<i>1-1/2" Horizon</i>						
Min Flow = 2-1/2 GPM			Max Flow = 120 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	10.9	1.4	0.2	656	82	10.2
Gallons per pulse	0.183	1.463	11.708	0.183	1.463	11.708
Pulse Length in seconds	2.744	21.952	175.61	0.046	0.366	2.927

<i>2" Horizon</i>						
Min Flow = 2-1/2 GPM			Max Flow = 160 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	13.6	1.7	0.2	870.9	108.9	13.6
Gallons per pulse	0.184	1.47	11.757	0.184	1.47	11.757
Pulse Length in seconds	2.205	17.636	141.09	0.034	0.276	2.205

<i>3" Horizon</i>						
Min Flow = 3 GPM			Max Flow = 750 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	9.7	1.2	0.2	2419	302.4	37.8
Gallons per pulse	0.31	2.48	19.843	0.31	2.48	19.843
Pulse Length in seconds	3.1	24.804	198.43	0.012	0.099	0.794

<i>4" Horizon</i>						
Min Flow = 4 GPM			Max Flow = 1250 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	12.8	1.6	0.2	4013.5	501.7	62.7
Gallons per pulse	0.311	2.492	19.933	0.311	2.492	19.933
Pulse Length in seconds	2.336	18.687	149.5	0.007	0.06	0.478

<i>6" Horizon</i>						
Min Flow = 9 GPM			Max Flow = 2600 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	3	0.4	0	863.6	107.9	13.5
Gallons per pulse	3.011	24.085	192.68	3.011	24.085	192.68
Pulse Length in seconds	10.036	80.285	642.28	0.035	0.278	2.223

<i>8" Horizon</i>						
Min Flow = 18 GPM			Max Flow = 4400 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	7.6	0.9	0.1	1849.1	231.1	28.9
Gallons per pulse	2.38	19.036	152.29	2.38	19.036	152.29
Pulse Length in seconds	3.966	31.727	253.81	0.016	0.13	1.038

<i>10" Horizon</i>						
Min Flow = 30 GPM			Max Flow = 7000 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	10.1	1.3	0.2	2348.1	293.5	36.7
Gallons per pulse	2.981	23.849	190.79	2.981	23.849	190.79
Pulse Length in seconds	2.981	23.849	190.79	0.013	0.102	0.818

MVR/RFM - Vertical Turbine Meters (3/4", 1", 1-1/2", 2", 3", 4", 6")

3/4" MVR/RFM 30						
Min Flow = 1/2 GPM			Max Flow = 35 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	146.4	18.3	2.3	10246	1280.8	160.1
Gallons per pulse	0.003	0.027	0.219	0.003	0.027	0.219
Pulse Length in seconds	0.205	1.64	13.117	0.0029	0.0234	0.187

1" MVR/RFM 50						
Min Flow = 3/4 GPM			Max Flow = 55 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	104.8	13.1	1.6	7687.2	960.9	120.1
Gallons per pulse	0.007	0.057	0.458	0.007	0.057	0.458
Pulse Length in seconds	0.286	2.29	18.316	0.004	0.031	0.25

1-1/2" MVR/RFM 100						
Min Flow = 1-1/2 GPM			Max Flow = 110 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	155.2	19.4	2.4	11381	1422.6	177.8
Gallons per pulse	0.01	0.077	0.619	0.01	0.077	0.619
Pulse Length in seconds	0.193	1.546	12.371	0.003	0.0211	0.169

2" MVR/RFM 160						
Min Flow = 2 GPM			Max Flow = 175 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	62.8	7.8	1	5492.5	686.6	85.8
Gallons per pulse	0.032	0.255	2.04	0.032	0.255	2.04
Pulse Length in seconds	0.478	3.823	30.587	0.005	0.044	0.35

3" MVR 350						
Min Flow = 2-1/2 GPM			Max Flow = 390 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	37	4.6	0.6	5779.5	722.4	90.3
Gallons per pulse	0.067	0.54	4.32	0.067	0.54	4.32
Pulse Length in seconds	0.81	6.478	51.825	0.005	0.042	0.332

4" MVR 650						
Min Flow = 3-1/2 GPM			Max Flow = 715 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	32.3	4	0.5	6595.7	824.5	103.1
Gallons per pulse	0.108	0.867	6.938	0.108	0.867	6.938
Pulse Length in seconds	0.929	7.433	59.467	0.005	0.036	0.291

6" MVR 1300						
Min Flow = 5 GPM			Max Flow = 1430 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	11.3	1.4	0.2	3241	405.1	50.6
Gallons per pulse	0.441	3.353	28.239	0.441	3.353	28.239
Pulse Length in seconds	2.647	21.179	169.43	0.009	0.074	0.592

PD - Positive Displacement Meters (5/8", 3/4", 1", 2")

5/8" 420 Composite PD						
	Min Flow = 1/4 GPM			Max Flow = 25 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	56.5	7.1	0.9	5651	706.4	88.3
Gallons per pulse	0.004	0.035	0.283	0.004	0.035	0.283
Pulse Length in seconds	0.531	4.247	33.976	0.005	0.042	0.34

5/8" 430 PD						
	Min Flow = 1/4 GPM			Max Flow = 25 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	49.6	6.2	0.8	4959	619.9	77.5
Gallons per pulse	0.005	0.04	0.323	0.005	0.04	0.323
Pulse Length in seconds	0.605	4.84	38.718	0.006	0.048	0.387

3/4" 435 Composite PD						
	Min Flow = 1/2 GPM			Max Flow = 35 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute						
Gallons per pulse						
Pulse Length in seconds						

3/4" 442 PD						
	Min Flow = 1/2 GPM			Max Flow = 35 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	44.9	5.6	0.7	3142.3	392.8	49.1
Gallons per pulse	0.011	0.089	0.713	0.011	0.089	0.713
Pulse Length in seconds	0.668	5.346	42.771	0.01	0.076	0.611

1" 445 Composite PD						
	Min Flow = 3/4 GPM			Max Flow = 50 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute						
Gallons per pulse						
Pulse Length in seconds						

1" 452 PD						
	Min Flow = 3/4 GPM			Max Flow = 50 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	35	4.4	0.5	2336.2	292	36.5
Gallons per pulse	0.021	0.171	1.37	0.021	0.171	1.37
Pulse Length in seconds	0.856	6.849	54.79	0.013	0.103	0.822

1 1/2" 562 PD						
	Min Flow = 1-1/2 GPM			Max Flow = 100 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	38.4	4.8	0.6	2557.7	319.7	40.0
Gallons per pulse	0.039	0.313	2.502	0.039	0.313	2.502
Pulse Length in seconds	0.782	6.255	50.045	0.012	0.094	0.751

2" 572 PD						
	Min Flow = 2 GPM			Max Flow = 160 GPM		
	<i>At Min Flow:</i>			<i>At Max Flow:</i>		
	Terminal			Terminal		
	A	B	C	A	B	C
Pulses per minute	30.0	3.7	0.5	2396.5	299.6	37.4
Gallons per pulse	0.067	0.539	4.273	0.067	0.534	4.273
Pulse Length in seconds	1.001	8.002	64.094	0.013	0.100	0.801

FM³ Meters (3", 4", 6", 8" & 10")

<i>3" FM3</i>						
Min Flow = 3 GPM			Max Flow = 750 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	10.2	1.3	0.2	2556.0	319.5	39.9
Gallons per pulse	0.293	2.347	18.779	0.239	2.347	18.779
Pulse Length in seconds	2.934	23.474	187.793	0.012	0.094	0.751

<i>4" FM3</i>						
Min Flow = 4 GPM			Max Flow = 1250 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	13.9	1.7	0.2	4340.0	542.5	67.8
Gallons per pulse	0.288	2.304	18.433	0.288	2.304	18.433
Pulse Length in seconds	2.160	17.281	138.248	0.007	0.055	0.442

<i>6" FM3</i>						
Min Flow = 9 GPM			Max Flow = 2600 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	6.3	0.8	0.1	1812.5	226.6	28.3
Gallons per pulse	1.434	11.476	91.806	1.434	11.476	91.806
Pulse Length in seconds	4.781	38.252	306.021	0.017	0.132	1.059

<i>8" FM3</i>						
Min Flow = 18 GPM			Max Flow = 4400 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	7.4	0.9	0.1	1804.7	225.6	28.2
Gallons per pulse	2.438	19.505	156.04	2.438	19.505	156.04
Pulse Length in seconds	4.063	32.507	260.061	0.017	0.133	1.064

<i>10" FM3</i>						
Min Flow = 30 GPM			Max Flow = 7000 GPM			
<i>At Min Flow:</i>			<i>At Max Flow:</i>			
Terminal			Terminal			
	A	B	C	A	B	C
Pulses per minute	7.3	0.9	0.1	1697.9	212.2	26.5
Gallons per pulse	4.123	32.982	263.85	4.123	32.982	263.85
Pulse Length in seconds	4.123	32.982	263.852	0.018	0.141	1.131