

Table 2-20 Summary of Fire Pump Data

Pump Rating		Minimum Pipe Sizes (Nominal)						
		Suction ^{1,2} (in.)	Discharge ¹ (in.)	Relief Valve (in.)	Relief Valve Discharge (in.)	Meter Device (in.)	Number and Size of Hose Valves (in.)	Hose Header Supply (in.)
gpm	L/min							
25	95	1	1	3/4	1	1 1/4	1 — 1 1/2	1
50	189	1 1/2	1 1/4	1 1/4	1 1/2	2	1 — 1 1/2	1 1/2
100	379	2	2	1 1/2	2	2 1/2	1 — 2 1/2	2 1/2
150	568	2 1/2	2 1/2	2	2 1/2	3	1 — 2 1/2	2 1/2
200	757	3	3	2	2 1/2	3	1 — 2 1/2	2 1/2
250	946	3 1/2	3	2	2 1/2	3 1/2	1 — 2 1/2	3
300	1,136	4	4	2 1/2	3 1/2	3 1/2	1 — 2 1/2	3
400	1,514	4	4	3	5	4	2 — 2 1/2	4
450	1,703	5	5	3	5	4	2 — 2 1/2	4
500	1,892	5	5	3	5	5	2 — 2 1/2	4
750	2,839	6	6	4	6	5	3 — 2 1/2	6
1,000	3,785	8	6	4	8	6	4 — 2 1/2	6
1,250	4,731	8	8	6	8	6	6 — 2 1/2	8
1,500	5,677	8	8	6	8	8	6 — 2 1/2	8
2,000	7,570	10	10	6	10	8	6 — 2 1/2	8
2,500	9,462	10	10	6	10	8	8 — 2 1/2	10
3,000	11,355	12	12	8	12	8	12 — 2 1/2	10
3,500	13,247	12	12	8	12	10	12 — 2 1/2	12
4,000	15,140	14	12	8	14	10	16 — 2 1/2	12
4,500	17,032	16	14	8	14	10	16 — 2 1/2	12
5,000	18,925	16	14	8	14	10	20 — 2 1/2	12

¹Actual diameter of pump flange is permitted to be different from pipe diameter.

²Applies only to that portion of suction pipe specified in 2-9.3.