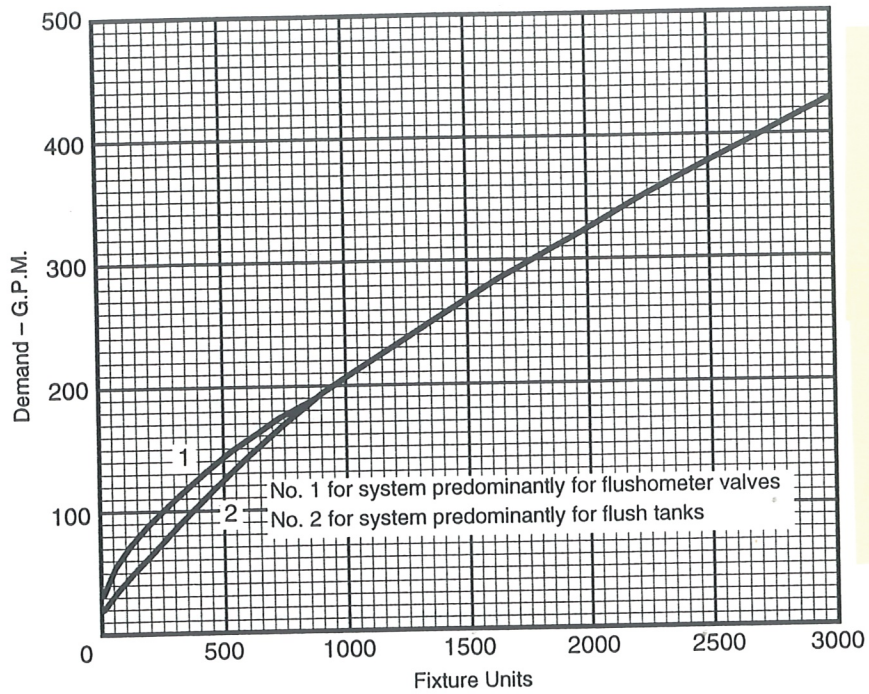


**CHART A-2**  
Estimate Curves for Demand Load



**CHART A-2 (Metric)**  
Estimate Curves for Demand Load

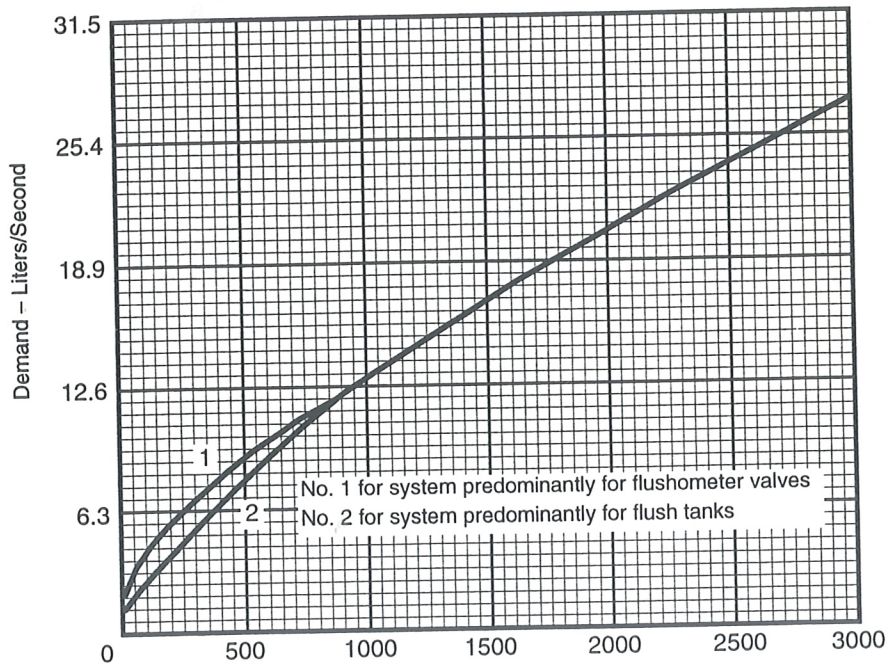


TABLE NO. B-3  
LOAD VALUES ASSIGNED TO FIXTURES

Fixture	Occupancy	Type of Supply Control	Load Values, in Water Supply Fixture Units		Total
			Cold	Hot	
Water closet	Public	Flushometer	10.		10.
Water closet	Public	Flush tank	5.		5.
Urinal	Public	1" Flushometer	10.		10.
Urinal	Public	3/4" Flushometer	5.		5.
Urinal	Public	Flush tank	3.		3.
Lavatory	Public	Faucet	1.5	1.5	2.
Bath tub	Public	Faucet	3.	3.	4.
Shower head	Public	Mixing valve	3.	3.	4.
Service sink	Offices, etc.	Faucet	2.25	2.25	3.
Kitchen sink	Hotel, restaurant	Faucet	3.	3.	4.
Drinking fountain	Offices, etc.	3/8" valve	0.25		0.25
Water closet	Private	Flushometer	6.		6.
Water closet	Private	Flush tank	3.		3.
Lavatory	Private	Faucet	0.75	0.75	1.
Bath tub	Private	Faucet	1.5	1.5	2.
Shower stall	Private	Mixing valve	1.5	1.5	2.
Kitchen sink	Private	Faucet	1.5	1.5	2.
Laundry trays (1 to 3)	Private	Faucet	2.25	2.25	3.
Combination fixture	Private	Faucet	2.25	2.25	3.
Dishwashing machine	Private	Automatic	1.	1.	1.
Laundry machine (8 lbs.)	Private	Automatic	1.5	1.5	2.
Laundry machine (8 lbs.)	Public or General	Automatic	2.25	2.25	3.
Laundry machine (16 lbs.)	Public or General	Automatic	3.	3.	4.

NOTE: For fixtures not listed, loads should be assumed by comparing the fixture to one listed using water in similar quantities and at similar rates. The assigned loads for fixtures with both hot and cold water supplies are given for separate hot and cold water loads and for total load, the separate hot and cold water loads being three-fourths of the total load for the fixture in each case.

$y = 2.106x$ ,  $r = 0.99967$

TABLE NO. B-4  
TABLE FOR ESTIMATING DEMAND

Supply Systems Predominantly for Flush Tanks		Supply Systems Predominantly for Flush Valves	
Load (Water Supply Fixture Units)	Demand (Gallons per Minute)	Load (Water Supply Fixture Units)	Demand (Gallons per Minute)
1	3.0		
2	5.0		
3	6.5		
4	8.0		
5	9.4	5	15.0
6	10.7	6	17.4
7	11.8	7	19.8
8	12.8	8	22.2
9	13.7	9	24.6
10	14.6	10	27.0
11	15.4	11	27.8
12	16.0	12	28.6
13	16.5	13	29.4
14	17.0	14	30.2
15	17.5	15	31.0
16	18.0	16	31.8
17	18.4	17	32.6
18	18.8	18	33.4
19	19.2	19	34.2
20	19.6	20	35.0
25	21.5	25	38.0
30	23.3	30	42.0
35	24.9	35	44.0
40	26.3	40	46.0
45	27.7	45	48.0
50	29.1	50	50.0
60	32.0	60	54.0
70	35.0	70	58.0
80	38.0	80	61.2
90	41.0	90	64.3
100	43.5	100	67.5
120	48.0	120	73.0
140	52.5	140	77.0
160	57.0	160	81.0
180	61.0	180	85.5
200	65.0	200	90.0
225	70.0	225	95.5
250	75.0	250	101.0
275	80.0	275	104.5
300	85.0	300	108.0
400	105.0	400	127.0
500	124.0	500	143.0
750	170.0	750	177.0
1000	208.0	1000	208.0
1250	239.0	1250	239.0
1500	269.0	1500	269.0
1750	297.0	1750	297.0
2000	325.0	2000	325.0
2500	380.0	2500	380.0
3000	433.0	3000	433.0
4000	525.0	4000	525.0
5000	593.0	5000	593.0

$\frac{gpm}{FU}$

3.000

2.700

2.067

1.750

1.400

1.150

1.000

0.675

0.450

0.360

0.318

0.286