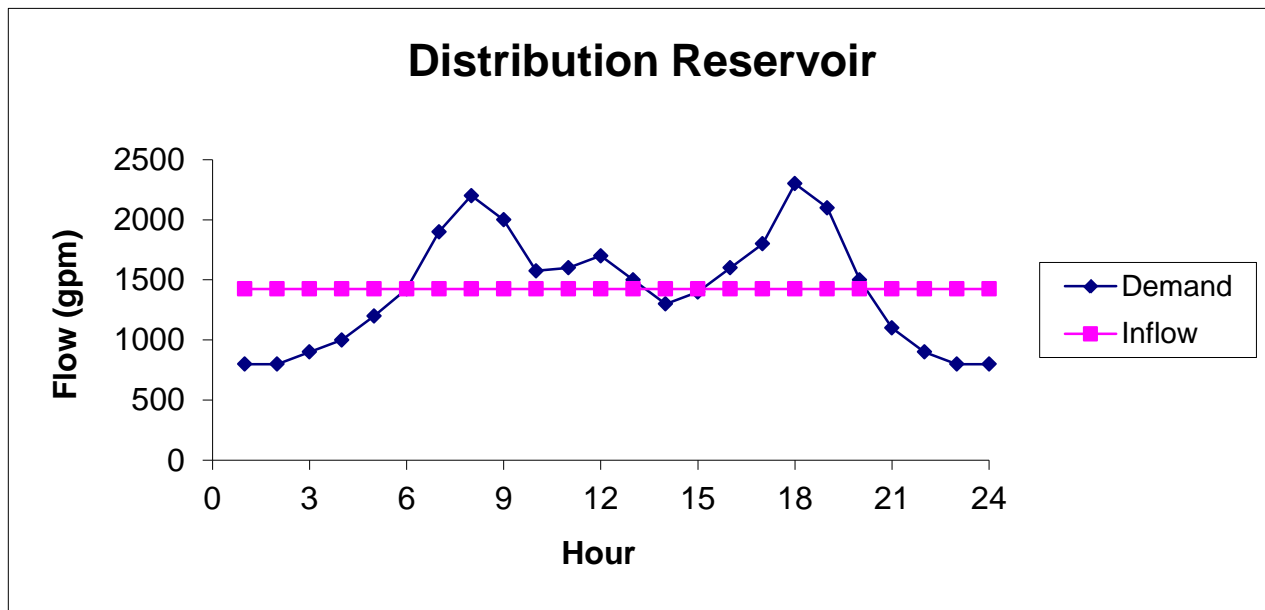


**Storage Capacity for a Distribution Reservoir (Constant Daily Inflow)**

Ending Time (hour)	(Given) Demand (gpm)	Inflow (gpm)	Storage Required (gpm)
1	800	1425	
2	800	1425	
3	900	1425	
4	1000	1425	
5	1200	1425	
6	1425	1425	
7	1900	1425	475
8	2200	1425	775
9	2000	1425	575
10	1575	1425	150
11	1600	1425	175
12	1700	1425	275
13	1500	1425	75
14	1300	1425	
15	1400	1425	
16	1600	1425	175
17	1800	1425	375
18	2300	1425	875
19	2100	1425	675
20	1500	1425	75
21	1100	1425	
22	900	1425	
23	800	1425	
24	800	1425	

**SUM**      34200      34200      **4675** gpm-hr



**Storage Capacity for a Distribution Reservoir (Constant Inflow for 9-hours)**

Ending Time (hour)	(Given) Demand (gpm)	Inflow (gpm)	Storage Required (gpm)
1	800	0	800
2	800	0	800
3	900	0	900
4	1000	0	1000
5	1200	0	1200
6	1425	0	1425
7	1900	0	1900
8	2200	0	2200
9	2000	3800	
10	1575	3800	
11	1600	3800	
12	1700	3800	
13	1500	3800	
14	1300	3800	
15	1400	3800	
16	1600	3800	
17	1800	3800	
18	2300	0	2300
19	2100	0	2100
20	1500	0	1500
21	1100	0	1100
22	900	0	900
23	800	0	800
24	800	0	800

**SUM**      34200      34200      19725 gpm-hr

