

HOTELS/MOTELS

Selections include guest rooms, small kitchen (i.e. 1		Selections for guest rooms only:		
dishwasher, 3-5 assorted sinks) and small laundry				
(max. capacitie	es noted):			
	Max. Total			
	Machine Capacity			
# Guest Rooms	in Lbs. Dry Clothes	#KC1000	# Guest Rooms	#KC1000
0 - 100	100	1	0 - 120	1
101 - 200	150	2	121 - 300	2
201 - 350	250	3	301 - 450	3
Notes: 1)	Shower head capacities n	Shower head capacities not to exceed 3 GPM.		
2)	Selections for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction			
	factor on p. D301.0 and divide actual number of rooms and actual laundry capacity of ACF,			
	then select based on calculated values.			
3)	Based on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF			
	(temperature correction factor) on p. D302.0 and multiply actual number of rooms and			
	actual laundry capacity by TCF, then select based on calculated values.			
4)	Where dishwashers are included, assumes 140°F to dishwasher.			
5)	Selections are for travel type/business hotels. Hotels that hold conventions or are near			
	convention centers may require some storage. Consult factory.			

APARTMENT COMPLEXES/CONDOMINIUMS

Usage (As De	efined Below)	# Units	#KC1000
	Lig	ght	0 -150	1
			150-400	2
	Med	lium	0 -125	1
			126 - 350	2
			351 - 500	3
	He	avy	0 -85	1
			86 - 200	2
			201 - 400	3
Definition	Definitions: Light: Single bath units in retirement type housing with public residential type clothes washing areas. Medium: Single bath units with dishwashers, public residential type clothes washing areas. Families/9 to 5 working type occupants. Heavy: 2 bath units with dishwasher and clothes washer in every unit.			type clothes washing areas.
Notes:	Notes: 1) Shower head capacities not to exceed 3 GPM.			
	2) Selections for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction factor) on p. D301.0 and divide actual number of units by ACF, then select based on calculated values.			
	3)	Based on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF (temperature conrection factor) on p. D302.0 and multiply actual number of units by TCF, then select based on calculated values.		



NURSING HOMES

Selections incl	Selections include service of entire nursing home		Selections for patient rooms only:	
including a small kitchen (i.e. 1 dishwasher and 3-5				
assorted sinks	and small laundring (m	ax. capacities		
noted):		-		
Max. Total				
	Machine Capacity			
# Patient Beds	in Lbs. Dry Clothes	#KC1000	# Patient Beds	#KC1000
0 - 50	75	1	0 - 100	1
51 - 125	175	2	101 - 250	2
126 - 225	250	3	251 - 400	3
Notes: 1)	Selections do not include therapeutic baths. If maximum GPM demand of bath (or			
	summation of baths) appro	aches maximum flo	w rate of heater, a peak st	orage tank may be
	required.			
2)	Shower head capacities not to exceed 3 GPM.			
3)	Selections for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction			
	factor) on p. D301.0 and divide actual number of beds and actual laundry capacity by ACF,			
	then select based on calculated values.			
4)	Based on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF			
	(temperature correction factor) on p. D302.0 and multiply actual number of beds by TCF,			
	then select based on calculated values.			
5)	Where dishwashers are included, assumes 140°F to dishwasher.			

PSYCHIATRIC CENTERS, MEDICAL FACILITIES, HOSPITALS

service areas stations, janito	ude patient rooms, adjacent hot water uch as public bathrooms, nurses r sinks, and small kitchen (i.e.	Selections for patient rooms and adjacent general hot water service areas (no kitchens):		
# Patient Beds	d 3-5 assorted sinks): #KC1000	# Patient Beds	#KC1000	
0 - 80	1	0 - 100	1	
81 - 160	2	101 - 200	2	
161 - 240 3 201 - 350		3		
Notes: 1) 2) 3) 4) 5)	summation of baths) approaches maximum flow required. Selections for altitudes less than 2000'. For higher factor) on p. D301.0 and divide actual number of calculated values. Based on 40°F inlet and building recirculation.	dry service is not included. ver head capacities not to exceed 3 GPM. tions do not include therapeutic baths. If maximum GPM demand of bath (or mation of baths) approaches maximum flow rate of heater, a peak storage tank may be ired. tions for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction r) on p. D301.0 and divide actual number of beds by ACF, then select based on lated values. d on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF perature correction factor) on p. D302.0 and multiply actual number of beds by TCF,		



ELEMENTARY & MIDDLE SCHOOLS

# Of Students	<u>#KC1000</u>
0 - 1000	1
1001 - 2000	2
Notes: See 1, 2, 3, 4 and 5 below	

HIGH SCHOOLS

# Of Students	Max. # Of Showers	#KC1000
0 - 800	20	1
801 - 1800	40	2
1801 - 2800	60	3
Notes: See 1, 2, 3, 4 and 5		
below		

COLLEGE DORMITORIES

# Of Students	Max. # Of Showers	<u>#KC1000</u>
0 - 140	18	1
141 - 285	36	2
286 - 430	54	3
Notes: See 1, 2, 3 and 6		
below		

Notes

- 1) Shower head capacities not to exceed 3 GPM.
- 2) Selections for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction factor) in p. D301.0 and divide actual number of students and showers by ACF, then select based on calculated values.
- 3) Based on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF (temperature correction factor) in p. D302.0 and multiply actual number of students and showers by TCF, then select based on calculated values.
- 4) Where dishwashers are included, assume 140°F to dishwasher.
- 5) Selections are for all hot water service in school, including a kitchen.
- 6) Selection for dormitory areas only. Kitchens not included.



HEALTH CLUBS/SPAS & COUNTRY CLUBS

<u># Showers</u>	<u>#KC1000</u>
30	1
60	2
90	3
Notes: See 1, 2, 3, 4 and 5 below	

PRISONS & CORRECTIONAL FACILITIES

# Of Showers	<u>#KC1000</u>
30	1
60	2
90	3
Notes: See 1,2,3,4,6 and 7	

GYMNASIUMS

# Of Showers	<u># KC1000</u>	<u>Gallons Stratified</u> <u>Storage</u>		
10	1			
20	1	220		
30	1	420		
40	2	440		
50	2	640		
60	3	660		
Notes: See 1,2,3, 8 and 9				

Notes

- 1) Shower head capacities not to exceed 3 GPM.
- 2) Selections for altitudes less than 2000'. For higher altitudes, find ACF (altitude correction factor) in p. D301.0 and divide actual number of students and showers by ACF, then select based on calculated values.
- 3) Based on 40°F inlet and building recirculation. For alternate inlet temperatures, find TCF (temperature correction factor) in p. D302.0 and multiply actual number of students and showers by TCF, then select based on calculated values.
- 4) Where dishwashers are included, assume 140°F to dishwasher.
- 5) Selections are for all hot water service in school, including a kitchen.
- 6) Selections include showers & bathrooms, janitor sinks and small kitchen (i.e. 1 dishwasher, 3-5 assorted sinks).
- 7) This table applies to facilities where the inmates are free to shower whenever they want. If they are all escorted to the shower room during a specific time period (and all are showering at once) size using the Gymnasium Method.
- 8) This sizing assumes all showers full on for a 10 minute period, with a 50 minute recovery.
- 9) See AERCO piping diagrams SD-B-432 and SD-B-434 for tank information.