

Load Values

FIXTURE	OCCUPANCY	SUPPLY CONTROL	COLD	HOT	TOTAL	FIXTURE COUNT				TAP SIZE	DISTRIBUTION SIZE	MAXIMUM LENGTH	MAXIMUM FIXTURES ALLOWED	BUILDING FIXTURES	REMAINING FIXTURES
						Level 1	Level 2	Level 3	Level 4						
Bathroom Group	Private	Flush Tank	2.70	1.50	3.60										
Bathroom Group	Private	Flush Valve	6.00	3.00	8.00										
Bathtub	Private	Faucet	1.00	1.00	1.40										
Bathtub	Public Soda/Tea/Coffee/Surpet	Faucet	3.00	3.00	4.00	1									
Bidet	Private	Faucet	1.50	1.50	2.00										
Combination Fixture	Private	Faucet	2.25	2.25	3.00										
Dishwashing Machine	Private	Automatic		1.40	1.40										
Drinking Fountain	Offices	3/8" Valve	0.25		0.25										
Kitchen Sink	Private	Faucet	1.00	1.00	1.40										
Kitchen Sink	Hotel, restaurant 3-Comp	Faucet	3.00	3.00	4.00	1									
LaundryTrays 1-3	Private	Faucet	1.00	1.00	1.40										
Lavatory	Private Hand Sinks	Faucet	0.50	0.50	0.70		3								
Lavatory	Public Toilet Lavatories	Faucet	1.50	1.50	2.00			2							
Service Sink	Offices, ect. Mop Sink	Faucet	2.25	2.25	3.00				1						
Hose Bib (2009IPC, pg.40)	Private	Faucet	5.00		5.00				2						
Hose Bib (2009IPC, pg.40) ea additional	Private Wall Hydrant Hose Bibb	Faucet	2.50		2.50										
Shower Head	Public	Mixing Valve	3.00	3.00	4.00										
Shower Head	Private	Mixing Valve	1.00	1.00	1.40										
Urinal	Public	1" Flush Valve	10.00		10.00										
Urinal	Public	3/4" Flush Valve	5.00		5.00										
Urinal	Public Toilets	Flush Tank	3.00		3.00		2								
Washing Machine (8lb)	Private	Automatic	1.00	1.00	1.40										
Washing Machine (8lb)	Public	Automatic	2.25	2.25	3.00										
Washing Machine (15lb)	Public	Automatic	3.00	3.00	4.00										
Water Closet	Private	Flush Valve	6.00		6.00										
Water Closet	Private	Flush Tank	2.20		2.20										
Water Closet	Public	Flush Valve	10.00		10.00										
Water Closet	Public	Flush Tank	5.00		5.00										
Water Closet	Public or Private	Flushmeter Tank	2.00		2.00										
Hand Sink	Hotel, restaurant	Faucet	1.50	1.50	2.00										
Sink	Hotel, restaurant	Faucet	1.50	1.50	2.00										
Under Bar Sink	Hotel, restaurant	Faucet	1.50	1.50	2.00										
Glass Rinser	Hotel, restaurant	Faucet	0.50		0.50										
Ice Maker	Hotel, restaurant	3/8" Valve	0.50		0.50										
Bib Carbonator	Hotel, restaurant	3/8" Valve	0.50		0.50										
Ice Tea Brewer	Hotel, restaurant	3/8" Valve	0.50		0.50										
Coffee Maker	Hotel, restaurant	3/8" Valve	0.50		0.50										
Glass Filler	Hotel, restaurant	3/8" Valve	0.50		0.50										
Dishwashing Machine	Hotel, restaurant	Automatic		2.00	2.00										
Mop Basin Sanitizer	Hotel, restaurant	Manual	0.50		0.50										
Glass Washer	Hotel, restaurant	3/8" Valve	0.50		0.50										
Add-On Unit	Hotel, restaurant	Faucet	0.50		0.50										
TOTAL						33.10	0.00	0.00	0.00	0.00	0.00				

MINIMUM SIZE OF WATER SERVICE LINES AND DISTRIBUTION PIPING

METER AND SERVICE PIPE - inches	DISTRIBUTION PIPE - inches	MAXIMUM DEVELOPMENT LENGTH - feet									
		PRESSURE RANGE 50 TO 60									
		40	60	80	100	150	200	250	300	400	500
3/4	3/4	9.5	9.5	9.5	9.5	7.5	6	5	4.5	3.5	3
3/4	1	32	32	32	32	32	24	19.5	15.5	11.5	9.5
1	1	32	32	32	32	32	28	28	17	12	9.5
3/4	1 1/4	32	32	32	32	32	32	32	32	32	30
1	1 1/4	80	80	80	80	80	80	69	60	46	36
1 1/2	1 1/4	80	80	80	80	80	80	76	65	50	38
1	1 1/2	87	87	87	87	87	87	87	87	87	84
1 1/2	1 1/2	151	151	151	151	151	151	151	144	114	94
2	1 1/2	151	151	151	151	151	151	151	151	118	97
1	2	87	87	87	87	87	87	87	87	87	87
1 1/2	2	275	275	275	275	275	275	275	275	275	252
2	2	365	368	368	368	368	368	368	368	318	273
2	2 1/2	533	533	533	533	533	533	533	533	533	533
3	3	1100	1100	1100	1100	1100	1100	1100	1100	988	852