|  |  |  |
| --- | --- | --- |
| COO Logo Building Dept | **CITY OF ONTARIO**  **BUILDING DEPARTMENT**  303 East B Street  Ontario, CA 91764  Ph (909)395-2023, Fax (909)395-2180 | **INFORMATION BULLETIN**  **105**  Effective: 1 / 1 / 2023 Revised: - / - / - |
|  | | |
| **PLUMBING FIXTURE FLOW RATES**  **FOR NON-RESIDENTIAL** | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in nonresidential buildings shall comply with the following requirements of 2019 *CAL*Green with Supplement effective 7/1/2021 Sections 5.303.3 – 5.303.4 and 2019 California Plumbing Code with Supplement effective 7/1/2021 Sections 407.0 through 420.3:     | **PLUMBING FIXTURES & FITTINGS** | **MAXIMUM ALLOWABLE FLOW RATE** | | --- | --- | | Water closets | 1.28 gallons/flush1 | | Showerheads | 1.8 gpm @ 80 psi | | Kitchen faucets | 1.8 gpm @ 60 psi2 | | Nonresidential lavatory faucets | 0.5 gpm @ 60 psi | | Wash Fountains | 1.8 gpm/20” rim space @ 60 psi | | Metering faucets | 0.20 gallons/cycle | | Metering faucets for wash fountains | 0.20 gallons/cycle | | Pre-rinse spray valve (with an integral automatic shut off) | 1.6 gpm @ 60 psi | | Urinals | 0.125 gallons/flush for wall-mounted type and  0.5 gallons/flush for floor-mounted or other type | | Commercial food waste disposer | 1 gpm no load or 10 minutes auto off, 8 gpm max. | | Pre-rinse spray valves (with an integral automatic shut off) | 1.00 gpm for Product Class 1 (≤ 5.0 ozf)  1.20 gpm for product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)  1.28 gpm for Product Class 3 (> 8.0 ozf) |   1 Water closets types are either flush tank, flushometer tank, or flushometer valve and include single or dual flush toilets.  Single Flush Toilets: The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.2.  Dual Flush Toilets: The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.  2 Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gpm @ 60 psi, and must default to a maximum flow rate of 1.8 gpm @ 60 psi. |