BUILDING & SAFETY DIVISION │ PLANS AND PERMITS
DEVELOPMENT SERVICES CENTER
39550 LIBERTY STREET, FREMONT, CA 94538
P: 510.494.4460 │ EMAIL: BLDINFO@FREMONT.GOV
WWW.FREMONT.GOV

City of Fremont

AIR BREAK &AIR GAP
2016 CALIFORNIA PLUMBING CODE
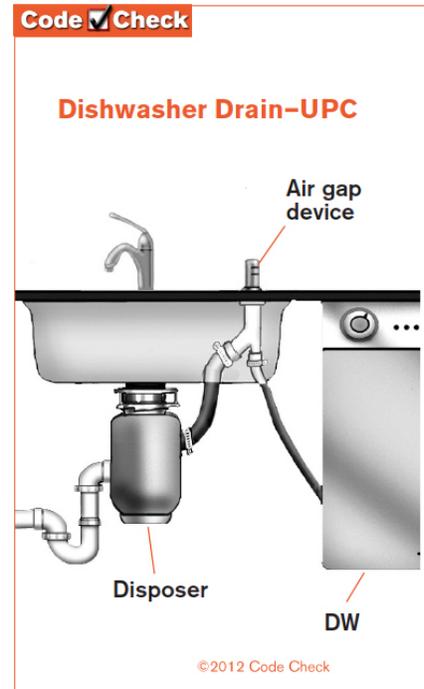### SECTIONS 801.1 THROUGH 801.7

The following are general requirements for air gap or air break requirements based on the 2016 CA Plumbing Code. This handout is intended to provide only general information, for further information contact the Building & Safety Division.

CPC Section 801.2 Air Gap or Air Break Required.
Indirect waste piping shall discharge into the building drainage system through an air gap or air break as set forth in this code. Where a drainage air gap is required by this code, the minimum vertical distance as measured from the lowest point of the indirect waste pipe or the fixture outlet to be flood-level rim of the receptor shall be not less than 1 inch. (25.4 mm)

CPC Section 801.3 Food and Beverage Handling Establishments.
Establishments engaged in the storage, preparation, selling, serving, processing, or other handling of food and beverage involving the following equipment that requires drainage shall provide indirect waste piping for refrigerators, refrigeration coils, freezers, walk-in coolers, iceboxes, ice-making machines, steam tables, egg boilers, coffee urns and brewers, hot-and-cold drink dispensers, and similar equipment.

Code Check — Dishwasher Drain–UPC: Air gap device, Disposer, DW. ©2012 Code Check

    801.3.1 Size of Indirect Waste Pipes. Except for refrigeration coils and ice-making but shall not be smaller than 1 inch (25 mm), and the maximum developed length shall not exceed 15 feet (4572 mm). Indirect waste pipe for ice-making machines shall not be less than the drain on the unit, and in no case less and ¾ of an inch (20 mm).

    801.3.2 Walk-In Coolers. For walk-in coolers, floor drains shall be permitted to be connected to a separate drainage line discharging into an outside receptor. The flood-level rim of the receptor shall be not less than 6 inches (152 mm) lower than the lowest floor drain.

    801.3.3 Food-Handling Fixtures. Food-preparation sinks, steam kettles, potato peelers, ice cream dipper wells, and similar equipment shall be indirectly connected to the drainage system by means of an air gap. Bins, sinks, and other equipment having drainage connections and used for the storage of unpackaged ice used for human ingestion, or used in direct contact with ready-to-eat food, shall be indirectly connected to the drainage system by means of an air gap. Each indirect waste pipe from food-handling fixtures or equipment shall be separately piped to the indirect waste receptor and shall not combine with other indirect

waste pipes. The piping from the equipment to the receptor shall be not less than the drain on the unit, and in no case less than ½ of an inch (15 mm).

801.4 Bar and Fountain Sink Traps. Where the sink in a bar, soda fountain, or counter is so located that the trap serving the sink cannot be vented, the sink drain shall discharge through an air gap or air break (see Section 801.3.3) into an approved receptor that is vented. The developed length from the fixture outlet to the receptor shall not exceed 5 feet (1524 mm).

801.5 Connection from Water Distribution System. Indirect waste connections shall be provided for drains, overflows, or relief pipes from potable water pressure tanks, water heaters, boilers, and similar equipment that is connected to the potable water distribution system. Such indirect waste connections shall be made by means of a water-distribution air gap constructed in accordance with Table 603.3.1.

801.6 Sterilizers. Lines, devices, or apparatus such as stills, sterilizers, and similar equipment requiring waste connections and used for sterile materials shall be indirectly connected by means of an air gap. Each such indirect waste pipe shall be separately piped to the receptor and shall not exceed 15 feet (4572 mm). Such receptors shall be located in the same room.

801.7 Drip or Drainage Outlets. Appliances, devices, or apparatus not regularly classified as plumbing fixtures, but which have drip or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging into an open receptor through either an air gap or air break (see Section 801.3.1).