

TABLE 7-3
Drainage Fixture Unit Values (DFU)

Plumbing Appliance, Appurtenance, or Fixture	Min. Size Trap and Trap Arm ^{7,8} mm	Private	Public	Assembly ⁹
Bathtub or Combination Bath/Shower	40	2.0	2.0	
Bidet.....	32	1.0		
Bidet.....	40	2.0		
Clothes Washer, domestic, standpipe ⁵	50	3.0	3.0	3.0
Dental Unit, cuspidor.....	32		1.0	1.0
Dishwasher, domestic, with independent drain.....	40 ²	2.0	2.0	2.0
Drinking Fountain or Watercooler.....	32	0.5	0.5	1.0
Food-Waste-Grinder, commercial.....	50		3.0	3.0
Floor Drain, emergency	50		0.0	0.0
Floor Drain (for additional sizes see Section 702).....	50	2.0	2.0	2.0
Shower, single-head trap.....	50	2.0	2.0	2.0
Multi-head, each additional	50	1.0	1.0	1.0
Lavatory, single	32	1.0	1.0	1.0
Lavatory, in sets of two or three.....	40	2.0	2.0	2.0
Wash Fountain	40		2.0	2.0
Wash Fountain	50		3.0	3.0
Mobile Home, trap	80	12.0		
Receptor, indirect waste ^{1,3}	40		See footnote ^{1,3}	
Receptor, indirect waste ^{1,4}	50		See footnote ^{1,4}	
Receptor, indirect waste ¹	80		See footnote ¹	
Sinks				
Bar.....	40	1.0		
Bar	40 ²		2.0	2.0
Clinical	80		6.0	6.0
Commercial with food waste	40 ²		3.0	3.0
Special Purpose	40 ²	2.0	3.0	3.0
Special Purpose	50	3.0	4.0	4.0
Special Purpose	80		6.0	6.0
Kitchen, domestic.....	40 ²	2.0	2.0	
(with or without food-waste grinder and/or dishwasher)				
Laundry	40 ²	2.0	2.0	2.0
(with or without discharge from a clothes washer)				
Service or Mop Basin	50		3.0	3.0
Service or Mop Basin	80		3.0	3.0
Service, flushing rim	80		6.0	6.0
Wash, each set of faucets.....			2.0	2.0
Urinal, integral trap 2L/flush.....	50 ²	2.0	2.0	5.0
Urinal, integral trap greater than 2L/flush	50	2.0	2.0	6.0
Urinal, exposed trap.....	40 ²	2.0	2.0	5.0
Urinal, non-water supplied.....	40 ^{2,7}	0.5	0.5	0.5
Water Closet, 6L/flush Gravity Tank ⁶	80	3.0	4.0	6.0
Water Closet, 6L/flush Flushometer Tank ⁶	80	3.0	4.0	6.0
Water Closet, 6L/flush Flushometer Valve ⁶	80	3.0	4.0	6.0
Water Closet, greater than 6L/flush Gravity Tank ⁶	80	4.0	6.0	8.0
Water Closet, greater than 6L/flush Flushometer Valve ⁶	80	4.0	6.0	8.0

¹ Indirect waste receptors shall be sized based on the total drainage capacity of the fixtures that drain therein to, in accordance with Table 7-2.

² Provide a 50mm (2 in.) minimum drain.

³ For refrigerators, coffee urns, water stations, and similar low demands.

⁴ For commercial sinks, dishwashers, and similar moderate or heavy demands.

⁵ Buildings having a clothes-washing area with clothes washers in a battery of three or more clothes washers shall be rated at six fixture units each for purposes of sizing common horizontal and vertical drainage piping.

⁶ Water closets shall be computed as six fixture units when determining septic tank sizes based on Appendix K of this code.

⁷ Minimum trap size shall be based on the fixture outlet size.

⁸ Trap sizes shall not be increased to the point where the fixture discharge may be inadequate to maintain their self-scouring properties.

⁹ Assembly [Public Use (See Table 4-1)].

SI: 1mm = 0.04 in.; 1L = 0.26 gal.