

Inch	mm
1½	32
1½	40
2	51
2½	65
3	80

**TABLE 7-3
DRAINAGE FIXTURE UNIT VALUES (DFU)**

PLUMBING APPLIANCE, APPURTENANCE, OR FIXTURE	MINIMUM SIZE TRAP AND TRAP ARM ⁷	PRIVATE	PUBLIC	ASSEMBLY ⁸
Bathtub or Combination Bath/Shower	1½	2.0	2.0	
Bidet	1¼	1.0		
Bidet	1½	2.0		
Clothes Washer, domestic, standpipe ⁵	2	3.0	3.0	3.0
Dental Unit, cuspidor	1¼		1.0	1.0
Dishwasher, domestic, with independent drain ²	1½	2.0	2.0	2.0
Drinking Fountain or Water Cooler	1¼	0.5	0.5	1.0
Food-Waste-Grinder, commercial	2		3.0	3.0
Floor Drain, emergency	2		0.0	0.0
Floor Drain (for additional sizes see Section 702)	2	2.0	2.0	2.0
Shower, single-head trap	2	2.0	2.0	2.0
Multi-head, each additional	2	1.0	1.0	1.0
Lavatory, single	1¼	1.0	1.0	1.0
Lavatory, in sets of two or three	1½	2.0	2.0	2.0
Washfountain	1½		2.0	2.0
Washfountain	2		3.0	3.0
Mobile Home, trap ⁹	3	12.0		
Receptor, indirect waste ^{1,3}	1½		See footnote ^{1,3}	
Receptor, indirect waste ^{1,4}	2		See footnote ^{1,4}	
Receptor, indirect waste ¹	3		See footnote ¹	
Sinks				
Bar	1½	1.0		
Bar ²	1½		2.0	2.0
Clinical	3		6.0	6.0
Commercial with food waste ²	1½		3.0	3.0
Special Purpose ²	1½	2.0	3.0	3.0
Special Purpose	2	3.0	4.0	4.0
Special Purpose	3		6.0	6.0
Kitchen, domestic ²	1½	2.0	2.0	
(with or without food-waste grinder and/or dishwasher)				
Laundry ²	1½	2.0	2.0	2.0
(with or without discharge from a clothes washer)				
Service or Mop Basin	2		3.0	3.0
Service or Mop Basin	3		3.0	3.0
Service, flushing rim	3		6.0	6.0
Wash, each set of faucets			2.0	2.0
Urinal, integral trap 1.0 GPF ²	2	2.0	2.0	5.0
Urinal, integral trap greater than 1.0 GPF	2	2.0	2.0	6.0
Urinal, exposed trap ²	1½	2.0	2.0	5.0
Water Closet, 1.6 GPF Gravity Tank ⁶	3	3.0	4.0	6.0
Water Closet, 1.6 GPF Flushometer Tank ⁶	3	3.0	4.0	6.0
Water Closet, 1.6 GPF Flushometer Valve ⁶	3	3.0	4.0	6.0
Water Closet, greater than 1.6 GPF Gravity Tank ⁶	3	4.0	6.0	8.0
Water Closet, greater than 1.6 GPF Flushometer Valve ⁶	3	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 7-4.

² Provide a two (2) inch (51 mm) 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 (3) or more clothes washers shall be rated at six (6) fixture units each for purposes of sizing common horizontal and vertical drainage piping.

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

⁷ Trap sizes shall not be increased to the point where the fixture discharge may be inadequate to maintain their self-scouring properties.

⁸ Assembly [Public Use (See Table 4-1)].

⁹ [HCD 2] For drainage fixture unit values related to mobilehome parks in all parts of the State of California, see California Code of Regulations, Title 25, Division 1, Chapter 2, Article 5, Section 1268. For drainage fixture unit values related to special occupancy parks in all parts of the State of California, see California Code of Regulations, Title 25, Division 1, Chapter 2.2, Article 5, Section 2268.