

P-Trap Size Chart

Smallest trap the US plumbing codes allow for each fixture, with England's sizes.

FIXTURE (US)	IPC AND IRC	UPC
Bathroom sink (lavatory)	1-1/4"	1-1/4"
Kitchen sink	1-1/2"	1-1/2"
Bathtub	1-1/2"	1-1/2"
Shower	1-1/2" (5.7 gpm or less)	2"
Laundry tub	1-1/2"	1-1/2"
Washing machine standpipe	2"	2"
Toilet	Built in	Built in

APPLIANCE (ENGLAND)	TRAP	SEAL
Washbasin, bidet	32 mm	75 mm
Bath, shower	40 mm	50 mm
Kitchen sink, washing machine, dishwasher	40 mm	75 mm
WC	Built into the pan	50 mm

A trap may be bigger than the minimum, but never bigger than the drain pipe it empties into.

Tubular traps are sized by outside diameter: a 1-1/2" trap meets 1-1/2" schedule 40 pipe (1.900" across) through a trap adapter.

Water seal: 2" to 4" deep (IPC and IRC). No S-traps, and one trap per fixture.

Your local building department can tell you which code applies.

Sources: IPC 2021/2024 Table 709.1 and Chapter 10, IRC 2021 Table P3201.7 and P3201.2 (as adopted in South Carolina), UPC Table 702.1 excerpt (King County), Approved Document H (2015), Oatey.