

# HOW TO SIZE AN ASHLAND POLYTRAP

(Sizing Chart Provided by PDI Guide Lines)

Steps	Formula	Example
1	Determine cubic content of fixture by multiplying length x width x depth	A sink 48" long by 24" wide by 12" deep. Cubic Content: $48 \times 24 \times 12 = 13824$ cu. in.
2	Determine capacity in gallons 1 Gal. = 231 cu. In.	Contents in gallons: $13,824/231 = 59.8$ gal.
3	Determine actual drainage load. The fixture is normally filled to about 75% of capacity with water. The items being washed displace about 25% of the fixture content, thus actual drainage load = 75% of fixture capacity.	Actual drainage load $59.8 \times 0.75 = 44.9$ gal.
4	Determine flow rate and drainage period. In general, good practices dictate a one minute drainage period, however, where conditions permit, a 2 minute drainage period is acceptable. Drainage period is the actual time required to completely drain the fixture. Flow rate = Actual Drainage Load/Drainage Period.	Calculate flow rate for one minute period: $44.9/1 = 44.9$ GMP flow rate.  Calculate flow rate for two minute period: $44.9/2 = 22.5$ GPM
5	Select interceptor from Ashland Polytrap literature which corresponds to the flow rate calculated.  <b>NOTE:</b> Select next larger size when flow rate falls between two sizes listed.	For one min. period: 44.9 GPM requires PDI size "50".  For two min. period: 22.5 GPM requires PDI size "25".

**Dishwashers:** A separate grease interceptor is recommended for each commercial dishwasher. The size of the interceptor is determined by the GPM discharge rate of the dishwasher as specified by the manufacturer. Select proper interceptor of equivalent or higher rate from Ashland Polytrap literature.

**Multiple Fixtures: Where a single interceptor serves multiple fixtures,** Calculate the total capacity of all fixtures; establish the maximum number of fixtures that may be drained simultaneously and apply factor to the total capacity to determine maximum simultaneous capacity. Then proceed with sizing and selection of interceptor using sizing formula provided above.

**\*\* IT IS INSTALLERS RESPONSIBILITY TO CHECK LOCAL PLUMBING CODES!**

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