



Amendments to

International Plumbing Code 2024 Edition

The following provisions of the International Plumbing Code, 2024 Edition, as published by the International Code Council, Inc. are hereby revised as follows:

CHAPTER 1

SCOPE AND ADMINISTRATION

Chapter 1 Scope and administration.

Revise by **deleting all of Chapter 1, except** Section 111. (Deleted sections are administered by 2024 IBC, Chapter 1)

CHAPTER 3

GENERAL REGULATIONS

Section 305.4.1 Sewer depth.

Insert [NUMBER] as “**12**” in both locations.

CHAPTER 4

FIXTURES, FAUCETS AND FIXTURE FITTINGS

Section 403.3.3. Locations of toilet facilities in occupancies other than malls

Revise as follows:

Change by removing 'not more than one story above or below' and replacing with '**on the same floor as**'.

Section 405.3.2 Public lavatories.

Revise as follows:

Add, “Exception. Gender neutral restroom configurations that consist of a continuous bank of single user rooms may share lavatories provided the quantity of lavatories is not reduced and the lavatories are located directly outside the single user rooms.”



CHAPTER 5

WATER HEATERS

Section 504.6 Requirements for discharge piping.

Revise Section by deleting **item number 2.**

CHAPTER 9

VENTS

Section 903.1.1 Roof extension unprotected.

Insert [NUMBER] as “**6**” inches (**152** mm).

CHAPTER 10

TRAPS, INTERCEPTORS AND SEPARATORS

Section 1003.3 Grease interceptors.

Delete section and Table 1003.3.5.1 and replace with the following:

“Hydromechanical and gravity grease interceptors shall be designed and installed per Industrial Wastewater Ordinance by Pima County Regional Wastewater Reclamation Department Industrial Wastewater Control Section, Article XIV Grease Management Program

A. Fixtures

Fixtures to be connected to a grease interceptor located within the kitchen area or subject to grease waste*

- Pre-rinse and or pre-wash sinks
- Two or three compartment sinks
- Meat prep sink
- Wok stoves
- Self-cleaning stove ventilation/exhaust hood
- Kitchen floor drains
- Floor sinks
- Mop sinks
- Food prep sinks
- Hand sinks**



- Dishwasher
- Food waste disposal units***

*. Depending on use and context, the requirement for above listed fixtures to drain through an interceptor may be appealed to RWRD.

** . A hand wash sink located in the kitchen area shall either discharge through a grease interceptor or have a sign posted above it stating: "HANDWASH SINK ONLY! NO FOOD PREPARATION OR DISHWASHING ALLOWED."

***. Discharges from food waste disposal units must drain through a maximum 3/8 inch screen.

B1. Hydromechanical grease interceptors.

Hydromechanical grease interceptors (HGI), manufactured and designed per PDI G101, which are generally installed inside, may be used when there are four (4) or fewer fixtures. The minimum size HGI to be installed shall be rated no smaller than 25 gallon per minute with a 50-pound grease capacity. Flow Control devices shall be designed and installed so that the total flow through such devices shall at no time be greater than the rated flow of the HGI.

Exception: Dishwasher and food waste disposal units shall not drain through a hydromechanical grease interceptor.

B2. Hydromechanical grease interceptors meeting ASME A112.14.3.

Hydromechanical grease interceptors (HGI) manufactured, designed, and certified to ASME A112.14.3 for grease production sizing and flow rate shall be installed per manufacturer's requirements.

C. Grease interceptor sizing criteria

Gravity grease interceptor (GGI) shall be sized in accordance with table or formula below

Gravity Grease Interceptors Table

Gravity grease interceptor (GGI) shall be sized in accordance with the table and formula below.

TABLE 1003.3.5.1 CAPACITY OF GREASE INTERCEPTORS

Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)	Minimum Size (gallons)
Up to 10 DFU	300
11-16 DFU	500
17-25 DFU	750
26-33 DFU	1,000
34-44 DFU	1,250
45-66 DFU	1,500
67-111 DFU	2,000
Greater than 112 DFU	Contact Industrial Wastewater Control

$V(\text{min}) = F \times R \times S$

Where:



- V(min) = Minimum Gravity Grease Interceptor Operating Volume, gallons
- F = Flow Rate (maximum), gallons per minute
- R = Retention Time = 30 minutes
- S = Storage Factor = 25%

Thus: $V(\text{min}) = F \times 30 \times 1.25$

The flow rate shall be determined based on the total flow rate from all equipment and plumbing fixtures connected to the gravity grease interceptor using one of the following equations:

- Drainage Fixture Units (DFU) less than or equal to 40: $F = (0.8 \times \text{DFU})$
- Drainage Fixture Units greater than 40: $F = (0.3 \times \text{DFU}) + 20$

Where: DFU = Drainage Fixture Units per Table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)

- The minimum retention time of 30 minutes is based on Wastewater Engineering, Treatment, Disposal and Reuse, Third Edition, Metcalf and Eddy, Inc., McGraw-Hill, Inc., page 1028.
- A minimum of 25% storage is required for floatable fats, oil and grease and settled solids is required for gravity grease interceptors.
- The minimum sized GGI to be installed shall be 300 gallons.

Note: Providing additional interceptor capacity can reduce an interceptor's maintenance frequency. However, solid accumulation and low flows in an interceptor can, over an extended period of time, produce a corrosive environment which can damage the structural integrity of the interceptor. An oversized interceptor may also generate odor problems.

Gravity grease interceptors shall be designed and tested in accordance with IAPM/ANSI Z1001. GGIs shall be installed per manufacturer's instructions. Where manufacturer's instructions are not provided, GGIs shall be installed in compliance with ASME A112.14.6 and IAPMO/ANSI Z1001.

Gravity grease interceptors shall have a minimum of two compartments and two man-ways. All man-ways shall have a minimum 20" inside diameter.

Hydromechanical grease interceptors meeting ASME A112.14.3 shall be sized with table below:

TABLE 1003.3.5.2 CAPACITY OF GREASE INTERCEPTORS MEETING ASME A112.14.3

Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)	Minimum Size
Up to 10 DFU	400 lbs of grease holding capacity at 50 gpm
11-25 DFU	800 lbs of grease holding capacity at 75 gpm
26-66 DFU	1,800 lbs of grease holding capacity at 100 gpm
67-111 DFU	3,000 lbs of grease holding capacity at 100 gpm
Greater than 112 DFU	Contact Industrial Wastewater Control



Grease interceptor discharge shall be vented in accordance with chapter 9, provided with cleanout in accordance with section 708, and directly connected to the sanitary drainage system.”

Adopt Appendices:

APPENDIX B – RATES OF RAINFALL FOR VARIOS CITIES

Appendix B Rates of rainfall for various cities.

Revise as follows:

Add, “Tucson...3.0” under “Arizona”.