2009 Installation Requirements for Gas Meter Set Assemblies

Call PSE's Customer Construction Services 1-888-321-7779 or visit PSE.COM for the Builder Handbooks & Brochures.

Builder/Owner/Developer Requirements

- The clearances in this handout also apply to features on buildings adjacent to the building where the gas meter set assembly is located.
- Final grade of the service line route must be in place before the service line can be installed.
- For meter set assembly installations in Cle Elum and west of Cle Elum within Upper Kittitas County, see the ***Gas Meter Set Assembly Protection from Snow and Ice in Snow Country*** handout (Form 3736).
- Puget Sound Energy reserves the right to designate meter set assembly locations so that they comply with PSE standards.

Gas Meter Set Assembly Locations

Locate gas meter on the **front wall,** or **within the front 1/3 of the side wall** observing corner clearance requirements detailed below:

The area 3 feet in front of and 2 feet to either side of the meter set assembly must be free of any landscaping (bushes, fences, etc.) and other structures that restrict access to the meter set assembly.

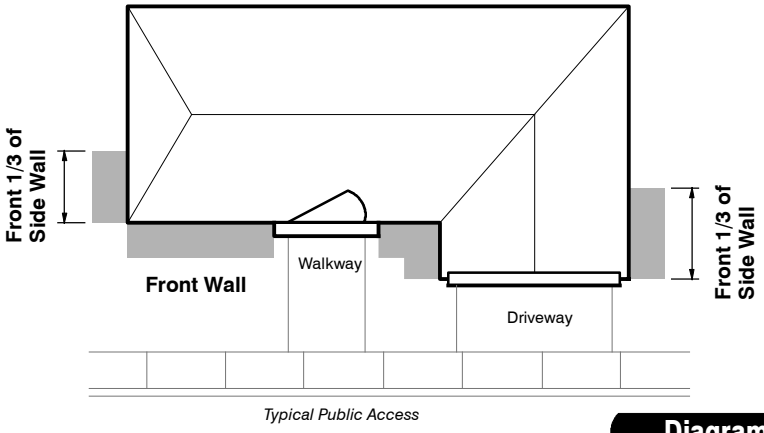
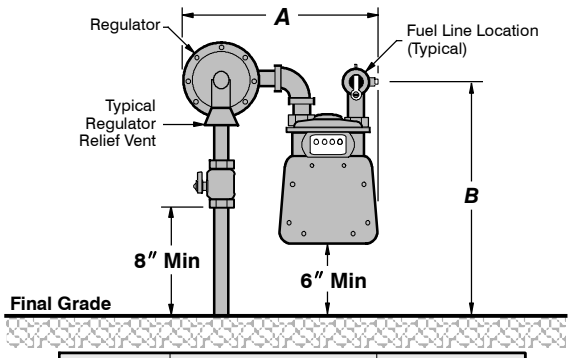


Diagram A

Gas Meter Clearances to Final Grade (250 Meter Shown)



Meter Type	*A Meter Set Assembly Width (Typ)*	*B Fuel Line Height (Typ)*
250	16″	26″
425	24″	42″
1000	26″	46″

Measuring Around a Building Corner

Outside Corners:

- The regulator relief vent should be at least 12″ from any outside corner.
  - ❑ If the regulator relief vent is at least 12″ from any outside corner, then there are no minimum clearances to features around the corner.
  - ❑ If the regulator relief vent is less than 12″ from any outside corner, then the minimum clearances specified in this handout must be maintained. *Measure as if using a string.*

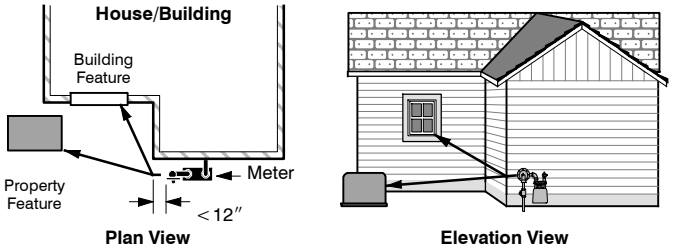


Diagram B

Inside Corners:

- Clearance distances from the regulator relief vent or meter set assembly to the feature must be maintained in accordance with this handout. *Measure as if using a string.*

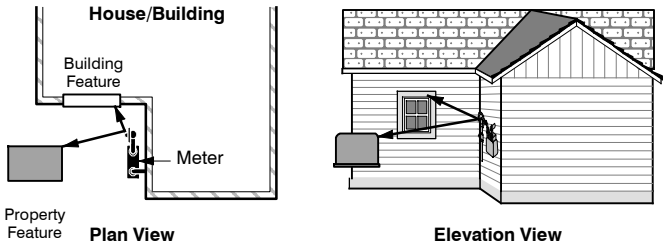


Diagram C

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Effective on: 03/01/09
Canceling: 05/01/08

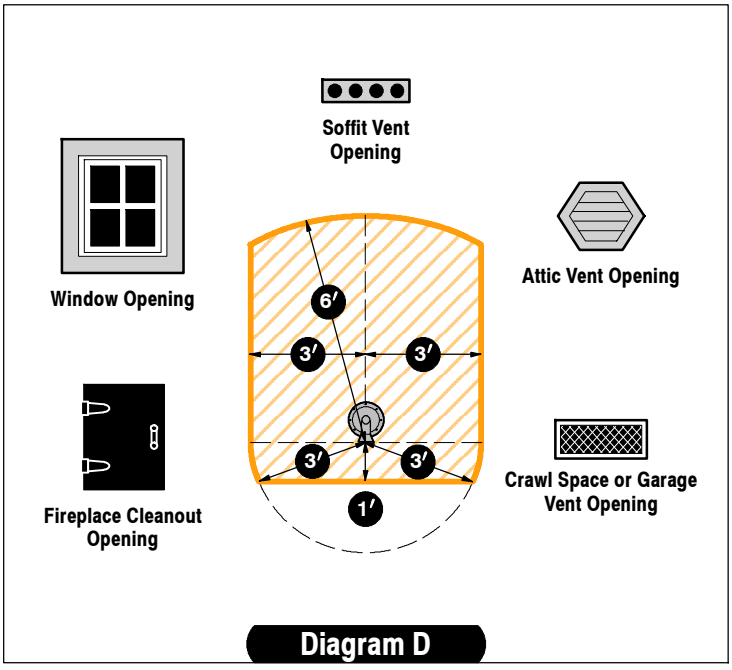
Regulator Relief Vent Clearances from Features

Feature	Relief Vent Clearance Horizontal From Feature	Relief Vent Clearance Under Feature	Relief Vent Clearance Above Feature	Relief Vent Clearance Any Direction From Feature	Diagram
Window Opening [1,2]	3 feet	6 feet [5]	1 foot	—	D
Attic Vent Opening [1,2]	3 feet	6 feet [5]	1 foot	—	D
Soffit Vent Opening [1,2]	3 feet	6 feet [5]	1 foot	—	D
Crawl Space or Garage Vent Opening [1,2]	3 feet	6 feet [5]	1 foot	—	D
Fireplace Cleanout Opening	3 feet	6 feet [5]	1 foot	—	D
Doors and Garage Doors	3 feet	**Not Permitted**	1 foot	—	E
Electrical Devices or Possible Arcing Equipment [3]	3 feet	**Not Permitted**	3 feet	—	G
Electric Outlet or Wall Switch [3]	3 feet	**Not Permitted**	3 feet	—	G
Appliance Combustion Air Intake Vent Opening [1]	—	—	—	3 feet	F
Appliance Exhaust Vent Opening [1]	—	—	—	3 feet	F
Air Conditioner (Window / Wall Type) [1,4]	—	—	—	10 feet	H
Air Intake Opening or Fan [1,4]	—	—	—	10 feet	H

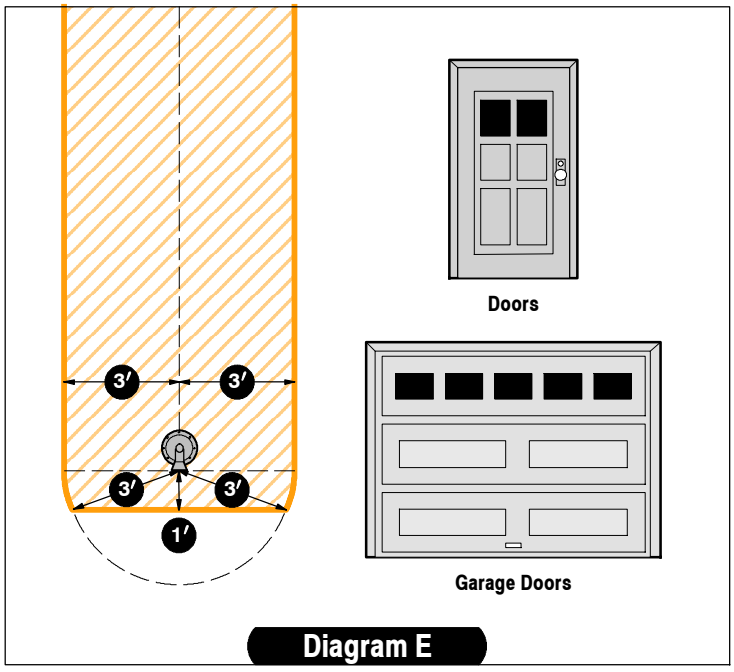
Notes:

1. Clearance distance shall be measured between the relief vent termination and the nearest point of the openable portion of the window, building vent opening, the equipment outside air intake, or opening into the louver/grille, whichever is shortest.
2. These features are assumed to be passive, thus a fan is not mechanically moving air through the feature.
3. Electrical devices include breakers, disconnects, and any other electrical components that may create a spark.
4. This equipment is assumed to draw outside air into the building.
5. A 10-foot clearance is required when an external relief valve vent is used. An external relief valve is often designated in large commercial or industrial meter sets. Ask your Project Manager if this clearance applies to you.

Clearance Zone



Clearance Zone from Windows, Building Vents, and Fireplace Cleanouts



Clearance Zone from Doors and Garage Doors

Regulator Relief Vent Clearances from Features

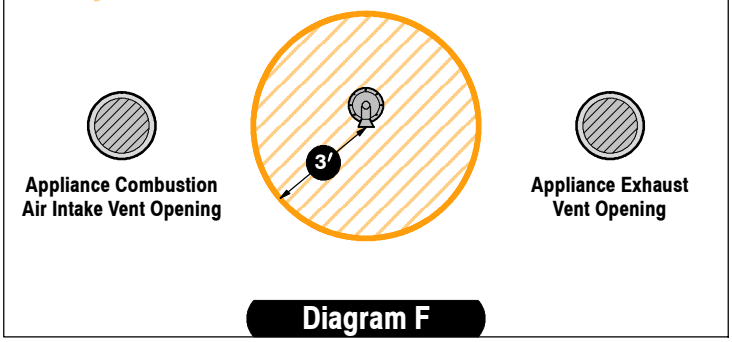


Diagram F

Clearance Zone from Appliance Vents

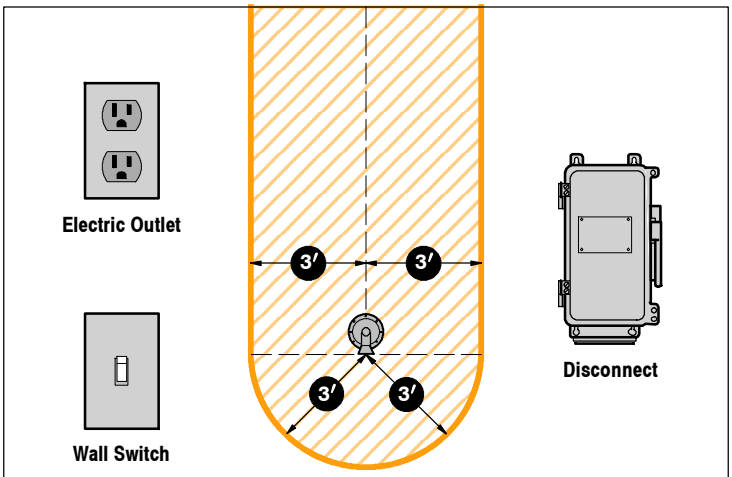


Diagram G

Clearance Zone from Electrical Components

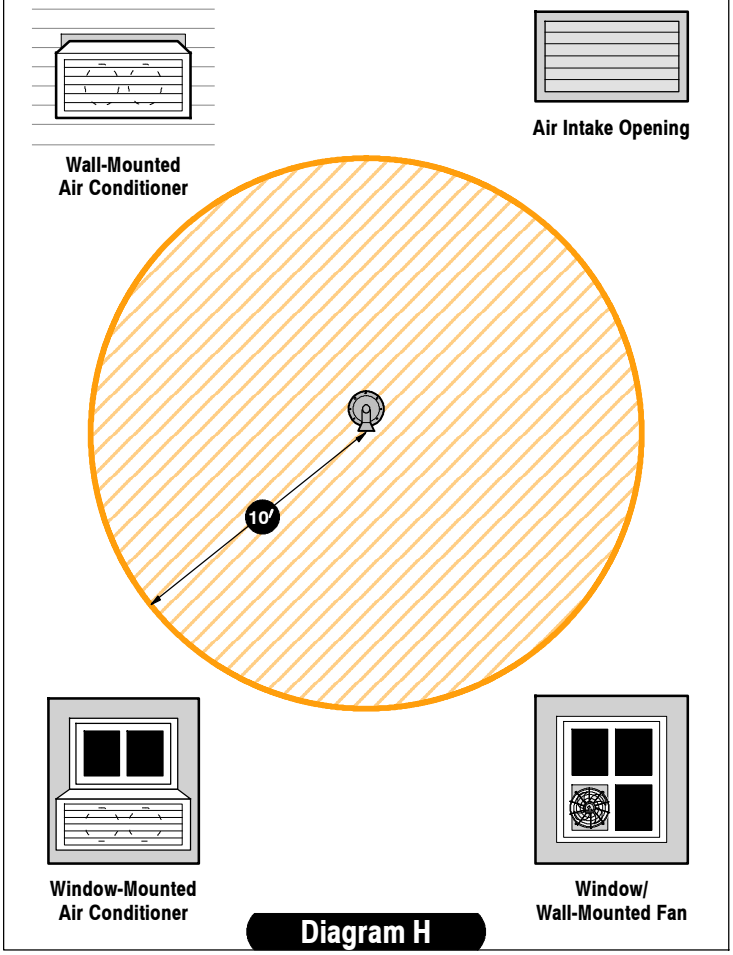


Diagram H

Clearance Zone from Mechanical Air Intakes and Building Features

Gas Meter Set Assembly Clearances Under Porches, Decks, and Balconies

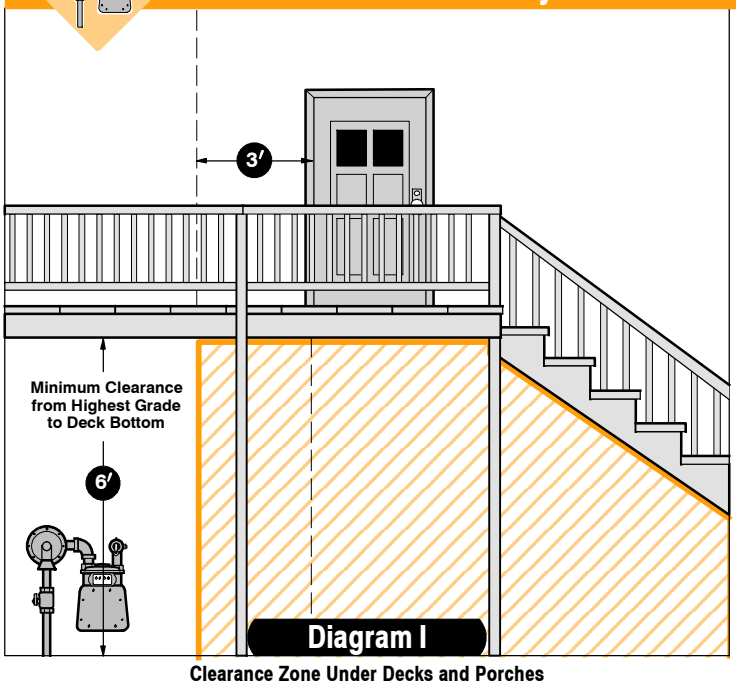


Diagram I

Clearance Zone Under Decks and Porches
(meter must not be located under stairs or anywhere between doors and stairs)

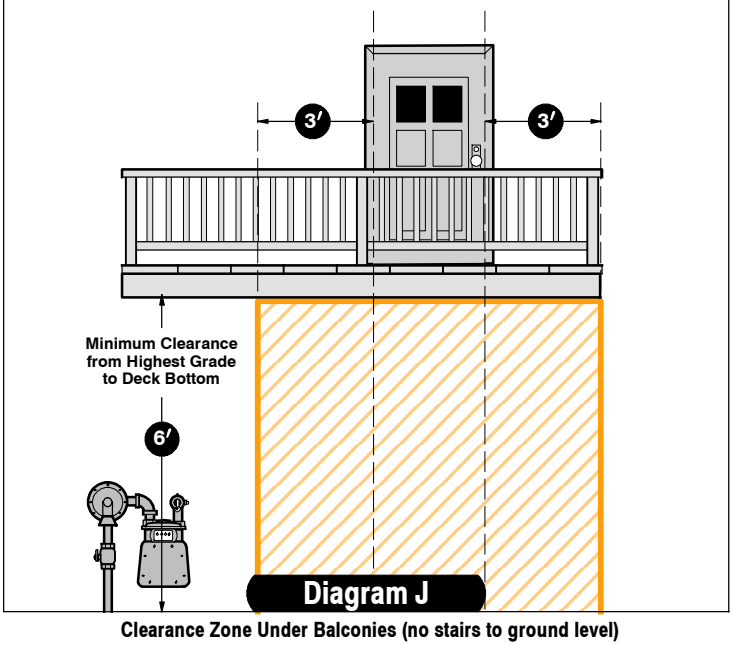


Diagram J

Clearance Zone Under Balconies (no stairs to ground level)

Gas Meter Set Assembly Clearances from Features

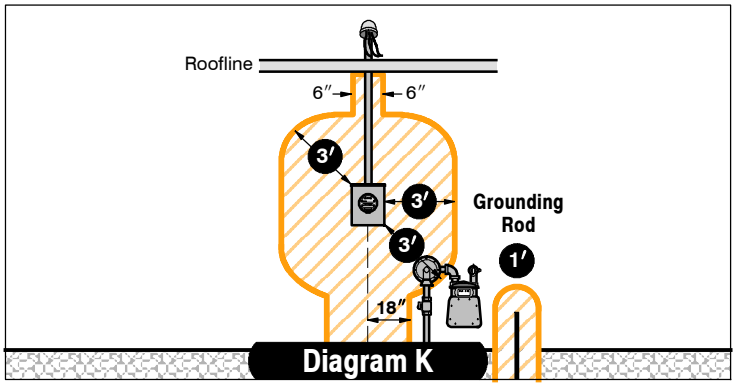
Feature	MSA Clearance Horizontal From Feature	MSA Clearance Under Feature	MSA Clearance Above Feature	MSA Clearance Any Direction From Feature	Diagram
Electrical Meter [1,2]	3 feet	**Not Permitted**	3 feet	—	**K, L**
Electrical Grounding Rod [2]	—	—	—	1 foot	**K, L**
Air Conditioner / Heat Pump (padmount) [3,4]	3 feet	**Not Permitted**	3 feet	—	**M**
Generator (UL Approved) / Transformer [4]	3 feet	**Not Permitted**	3 feet	—	**M**
Incinerator or Open Flame [3]	3 feet	**Not Permitted**	**Not Permitted**	—	**N**
Water Spigot [5]	2 feet	**Not Permitted**	**Not Permitted**	—	**O**
Telecommunications or Cable Box [5]	—	**Not Permitted**	—	2 feet	**P**

Notes:

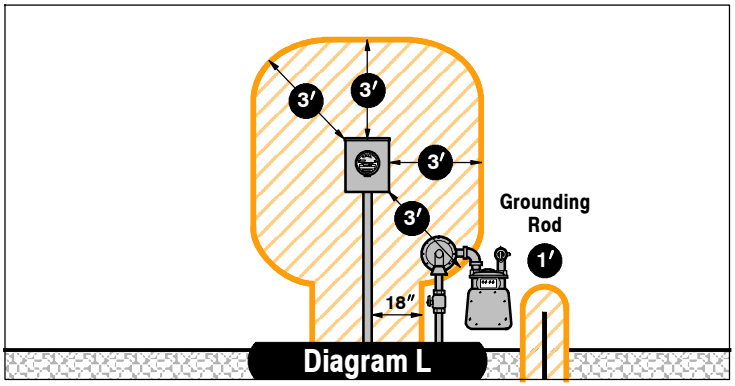
1. See **Diagrams K and L** for maintenance clearances around PSE electric meters. Please check with the local electric utility for any additional clearance requirements.
2. The gas service line must be a minimum of 1 foot from ground rods, ground wires, and electric service cables. See ***Installation Requirements for Underground Services*** (Form 3061) for additional clearance requirements.
3. If the heat pump or air conditioner delivers outside air into the building, the clearance must be a 10 foot radius.
4. Includes any equipment that could cause ignition such as fans, pumps, and any other equipment with exposed moving parts.
5. These are preferred clearances to be achieved if possible.

Clearance Zone

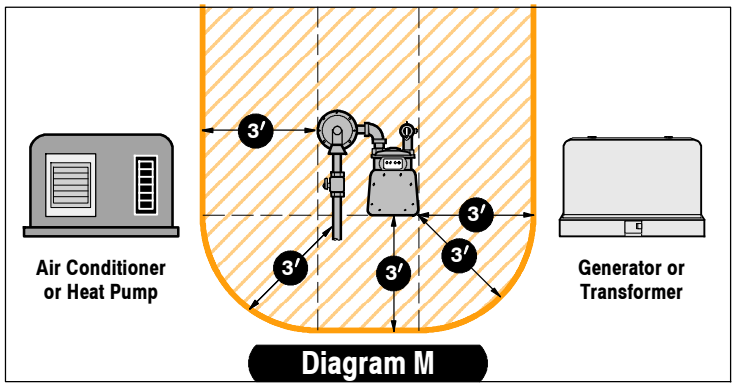
Preferred Clearance Zone



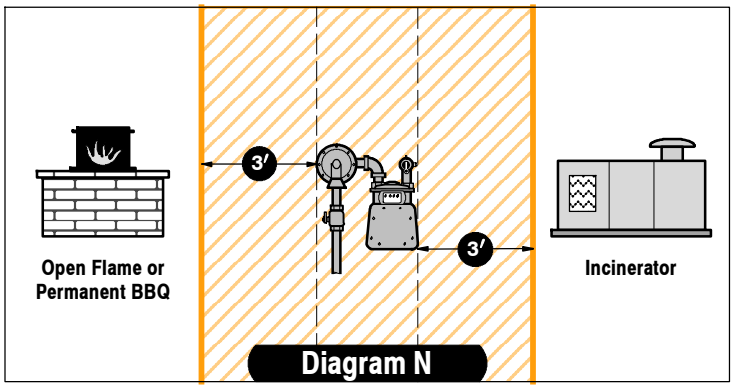
Clearance Zone from Overhead-Fed PSE Electric Meters



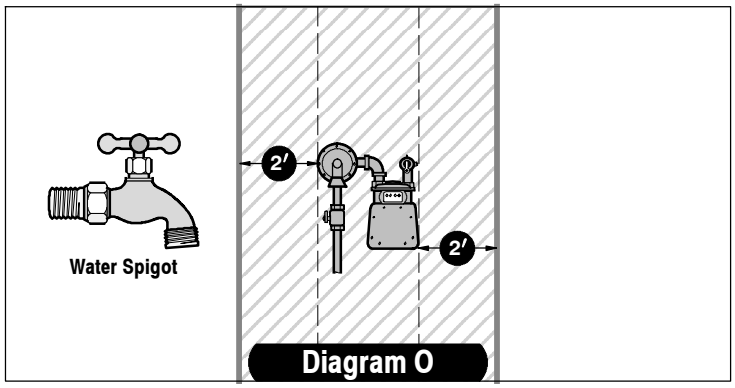
Clearance Zone from Underground-Fed PSE Electric Meters



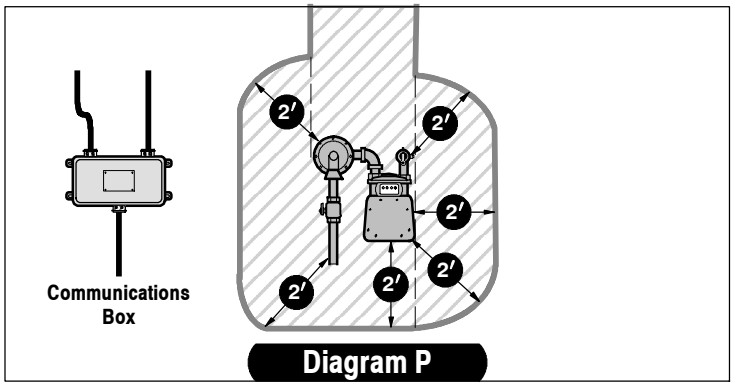
Clearances from Padmounted Air Conditioners, Heat Pumps, Generators, or Transformers



Clearance Zone from Incinerators or Open Flame Devices



Preferred Clearance Zone from Water Spigots



Preferred Clearance Zone from Communications and Cable Boxes

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