

Streetsboro Fire Department MOBILE FOOD UNIT

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OHIO FIRE CODE SECTION	REQUIREMENT / DESCRIPTION
320.2.1	Mobile food unit shall not block fire lanes, fire hydrants, or other fire protection devices.
320.2.2	LP-gas fueled equipment shall not be operated during transit unless the equipment meets both of the following: (i) The equipment is designed to be in operation while the vehicle is in transit, such as cargo heaters or coolers; and (ii) There is a means installed to stop the flow of gas in the event of a line break, such as an excess flow valve.
320.2.3	Carbon monoxide detection. All mobile food units shall be equipped with at least one listed carbon monoxide detection device. Exception: Carbon monoxide detectors shall not be required in mobile food units that are not equipped with fossil fuel powered equipment (such as generators or vehicle fuel tanks) and that do not otherwise produce carbon monoxide during operation.
320.3	Portable fire extinguishers. All mobile food units shall have a minimum of one 5-pound ABC portable fire extinguisher located within the unit and readily accessible by the operator of the unit. Exception: Open air hand carts that do not have fossil fuel powered equipment.
320.3.1	In addition to the portable fire extinguisher required in paragraph (320.3) of this rule, all mobile food units that contain cooking equipment involving vegetable or animal oils and fats shall also be protected by at least one Class K rated portable fire extinguisher in accordance with applicable paragraphs of the Ohio Fire Code.
320.3.2	All portable fire extinguishers located within or at a mobile food unit shall be installed, serviced, tested, inspected and maintained in accordance with paragraph (F)(906) of rule 1301:7-7-09 of the Administrative Code.
320.4	All mobile food units while operating commercial cooking equipment shall have two accessible means of egress remotely located from each other.
320.4.1	No means of egress required by this paragraph shall be smaller than 5.7 square feet.
320.5	Smoking shall be prohibited inside of and within 10 feet of any mobile food unit that has any fuel source other than the vehicle fuel tank.
320.5.1	"No Smoking" signs shall be conspicuously posted inside each mobile food unit, outside each mobile food unit in the vicinity of any location where compressed gas is stored or kept, and in a location that is visible to the public.
320.5.2	"No Smoking" signs shall be in English, shall have a dark background, and shall have lettering in a contrasting color that is at least 4 inches tall and with a minimum brush stroke width of 1 inch.

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OHIO FIRE CODE SECTION	REQUIREMENT / DESCRIPTION
320.6	The storage, use and handling of LP-Gas in a mobile food unit shall comply with this rule and, except as otherwise provided herein, shall also comply with rules 1301:7-7-53, 1301:7-7-57, 1301:7-7-58 and 1301:7-7-61 of the Administrative Code.
320.6.1	Only ASME certified or DOTn certified mobile LP-Gas containers in compliance with the following shall be used: (iii) Propane tanks must be kept in a secure manner at all times. (i) A maximum allowable working pressure (MAWP) of 312 psi (2.2 MPag) or higher for LP-Gas containers installed in the enclosed spaces of a vehicle. (ii) A maximum allowable working pressure (MAWP) of 250 psi (2.2 MPag) or higher for LP-Gas containers installed on the exterior of a vehicle. (iv) The maximum aggregate capacity of containers used in a mobile food unit to contain LP-Gas shall not exceed 200 gallons (0.8 m3) aggregate water capacity.
320.6.2	Supply systems for mobile food units shall comply with the following: (i) LP-Gas supply systems used for a mobile food unit, including the containers, shall be installed either on the outside of the vehicle or in a recess or cabinet that is vapor tight to the inside of the vehicle but accessible from and vented to the outside, with the vents located near the top and bottom of the enclosure and 1 m (3 ft) horizontally away from any opening into the vehicle. (ii) Except as otherwise provided in paragraph (T)(6)(b)(iii)(320.6.2) of this rule, LP-Gas containers shall be mounted securely on the vehicle or within the enclosing recess or cabinet and secured with noncombustible material or devices, shall be kept in a secure manner at all times, and shall comply with the following: (a) Cylinders shall be located to minimize exposure to excessive temperature rises, physical damage, or tampering. (b) When secured to the rear of the vehicle, propane tanks shall be mounted with a minimum 30" clearance from the bottom of the tank to the ground. (c) LP-Gas containers shall not be installed on the roof of the vehicle. (d) Where LP-Gas containers are mounted within the vehicle housing, the housing shall be secure to the vehicle and any removable portions of the housing shall be secured to the housing while in transit. (e) All LP-Gas container valves, appurtenances, and connections shall be protected to prevent damage from accidental contact with stationary objects, loose objects, stones, mud, or ice thrown up from the ground or floor, and damage due to overturn or similar vehicular accident. (f) LP-Gas cylinders shall have permanent protection for cylinder valves and connections.

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OHIO FIRE CODE SECTION	REQUIREMENT / DESCRIPTION
320.6.3.2 <i>cont'd...</i>	<p>(g) Where LP-Gas cylinders are located on the outside of a vehicle, weather protection shall be provided. (h) All materials or devices used to secure LP-Gas containers shall be made of non-combustible material. (iii) LP Gas containers may be removed from the mobile food unit during operation activities. When removed, propane tanks shall be secured to a stationary object or otherwise securely stabilized to prevent movement, overturn and damage at all times while operation activities are occurring.</p>
320.6.3	<p>All piping installed in a mobile food unit shall comply with the following: (i) (ii) Steel tubing shall have a minimum wall thickness of 1.2 mm (0.049 in.). Piping shall be installed in accordance with section 6.9.3 of NFPA 58 as listed in rule 1301:7-7-80 of the Administrative Code. (iii) A flexible connector shall be installed between the regulator outlet and the fixed piping system to protect against expansion, contraction, jarring, and vibration strains. (iv) Flexibility shall be provided in the piping between a cylinder and the gas piping system or regulator. (v) Flexible connectors shall be installed in accordance with section 6.9.6 of NFPA 58 as listed in rule 1301:77-80 of the Administrative Code. Flexible connectors installed between apparatus and the piping system shall be installed in accordance with ANSI Z21-69-2015/CSA 6.6-2015 as listed in rule 1301:7-7-80 of the Administrative Code. (vi) Flexible connectors longer than the length allowed in the code, or fuel lines that incorporate hose, shall be used only where approved. (vii) The fixed piping system shall be designed, installed, supported, and secured to minimize the possibility of damage due to vibration, strains, or wear and to preclude any loosening while in transit. (viii) Piping shall be installed in a protected location. (a) Fastening or other protection shall be installed to prevent damage due to vibration or abrasion. (b) At each point where piping passes through sheet metal or a structural member, a rubber grommet or equivalent protection shall be installed to prevent chafing. (ix) Hydrostatic relief valves shall be installed in isolated sections of liquid piping in accordance with section 6.13 of NFPA 58 as listed in rule 1301:7-7-80 of the Administrative Code. (x) Piping systems, including hose, shall be pressure tested and proven free of leaks in accordance with section 6.14 of NFPA 58 as listed in rule 1301:7-7-80 of the Administrative Code. <i>(Tested annually per NFPA 58 - 2017, 6.14.10)</i></p>
320.6.4	<p>Mobile food units using LP-Gas shall be provided with readily distinguishable and accessible marked exterior emergency shut off controls with a quarter-turn manual gas ball valve.</p>
320.6.4.1	<p>Signs shall be permanently mounted at the location of the emergency shut off controls and shall state: "EMERGENCY GAS SHUT-OFF VALVE"</p>

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OHIO FIRE CODE SECTION	REQUIREMENT / DESCRIPTION
320.6.4.1.1	Signs shall be clearly visible and shall remain unobscured at all times. Signs shall be weather resistant, of contrasting colors, and shall be readable from a minimum distance of 25 feet.
320.7	While parked and in operation mobile food units, exclusive of awnings and appurtenances, using or containing a fuel source or generator other than the vehicle fuel tank shall be separated from the entrances and other exits of buildings or structures and combustible materials by a clear space distance of 10 feet (3 m). While parked and in operation mobile food units using or containing a fuel source or generator other than the vehicle fuel tank shall be separated from other mobile food units by a clear space distance of 3 feet (0.9144 m).
320.8.1	Generators servicing a mobile food unit shall not be fueled while the mobile food unit is in operation.
320.8.2	Generators shall not be fueled while the generator is in use and shall not be fueled until the generator has been turned off and the surface temperature of the engine and fuel tank is below the autoignition temperature of the fuel.
320.8.3	No generator shall be operated or used or fueled within the occupant space of a mobile food unit.
320.9.1	All electrical wiring and equipment shall be installed in accordance with NFPA 70.

Mobile Food Unit fire safety inspections are **REQUIRED ANNUALLY** and can be scheduled with the Streetsboro Fire Department – Fire Prevention Bureau after January 1 each calendar year.

Annual inspection shall be completed **BEFORE** a Mobile Food Unit operates within the city.

Call 330-626-4664 to schedule.

