



**Roanoke Fire-EMS**

Fire Marshal's Office  
 713 Third Street SW  
 Roanoke, VA 24016  
 (540) 853-2795

[www.roanokeva.gov/firemarshal](http://www.roanokeva.gov/firemarshal)

**Fire Prevention Code Permit Application**

2018 FGAS: Compressed Gas

Applicant Information				
Business Name:				
Physical Address:	Street	City	State	Zip
Mailing Address:	Street	City	State	Zip
Contact Name:				
E-mail Address:				
Primary Phone:		Alternate Phone:		
Location of Permitted Activity				
Business Name:				
Physical Address:	Street	City	State	Zip
Permit Billing Information				
Business Name: <small>(including d/b/a or t/a names)</small>				
Billing Address:	Street	City	State	Zip
Billing Contact:			Phone:	
E-mail Address:				
City of Roanoke Business License #:		Federal Tax ID:		

FIRE MARSHAL'S OFFICE USE ONLY		
Reviewed By:		Date:
Comments/Special Conditions:		
Permit Number:	Permit Fee:	

**Application Checklist**

**Review of this permit application requires all of the following to be included:**

- Completed Fire Prevention Code Permit Application
- Site Plan/Floor Plan showing:
  1. Location compressed gas
  2. Location of ALL Fire Extinguishers
  3. Location of ALL Exits or Openings
- SDS for compressed gas
- Information on all containers, including size and quantities
- Safety Plan

**Circumstances of Application/Description of Work**

**Permit General Conditions and Acknowledgements**

The Applicant is required to review the following provisions of the Statewide Fire Prevention Code and its referenced standards. After reviewing each provision, the Applicant must initial each item to acknowledge their review and agreement to comply with the requirement. If the requirement is not applicable to the application, the Applicant is to write N/A in place of their initials.

- Stationary and portable compressed gas containers, cylinders, tanks and systems shall be marked with the name of the gas and in accordance with NFPA 704. Markings shall be visible from any direction of approach.
- Compressed gas containers, cylinders, tanks and systems shall be secured against accidental dislodgement and against access by unauthorized personnel.
- Areas used for the storage use and handling of compressed gas containers, cylinders, tanks and systems shall be secured against unauthorized entry and safeguarded in an approved manner.
- Compressed gas containers, cylinders and tanks shall comply with this section. Compressed gas containers, cylinders or tanks that are not designed for refillable use shall not be refilled after use of the original contents.
- Compressed gas containers, cylinders and tanks shall be secured to prevent falling caused by contact, vibration or seismic activity. Securing of compressed gas containers, cylinders and tanks shall be by one of the following methods:
  1. Securing containers, cylinders and tanks to a fixed object with one or more restraints.
  2. Securing containers, cylinders and tanks on a cart or other mobile device designed for the movement of compressed gas containers, cylinders or tanks.
  3. Nesting of compressed gas containers, cylinders and tanks at container filling or servicing facilities or in sellers' warehouses not open to the public. Nesting shall be allowed provided that the nested containers, cylinders or tanks, if dislodged, do not obstruct the required means of egress.
  4. Securing of compressed gas containers, cylinders and tanks to or within a rack, framework, cabinet or similar assembly designed for such use.Exception: Compressed gas containers, cylinders and tanks in the process of examination, filling, transport or servicing.
- Compressed gas containers, cylinders, tanks, and systems that could be exposed to physical damage shall be protected. Guard posts or other approved means shall be provided to protect compressed gas containers, cylinders, tanks and systems indoors and outdoors from vehicular damage and shall comply with section 312.
- Compressed gas containers, cylinders and tank valves shall be protected from physical damage by means of protective caps, collars or similar devices.

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- Compressed gas containers, cylinders and tanks designed for valve protection caps or other protective devices shall have caps or devices in place. When outlet caps or plugs are installed, they shall be in place. Exception: Compressed gas containers, cylinders or tanks in use, being serviced or being filled.
  
- Leaking, damaged or corroded compressed gas containers, cylinders and tanks shall be removed from service. Leaking, damaged or corroded compressed gas systems shall be replaced or repaired in accordance with the following:
  1. Compressed gas containers, cylinders and tanks that have been removed from service shall be handled in an approved manner.
  2. Compressed gas systems that are determined to be leaking, damaged or corroded shall be repaired to a serviceable condition or removed from service.
  
- Compressed gas containers, cylinders and tanks and systems in storage or use shall be separated from materials and conditions that pose exposure hazards to or from each other.
  
- Compressed gas containers, cylinders and tanks, except those designed for use in a horizontal position, and all compressed gas containers, cylinders and tanks containing non-liquefied gases, shall be stored in an upright position with the valve end up. An upright position shall include conditions where the container, cylinder or tank axis is inclined as much as 45 degrees (0.80 rad) from the vertical.

Exceptions:

  1. Compressed gas containers with a water volume less than 1.3 gallons (5 L) are allowed to be stored in a horizontal position.
  2. Cylinders, containers and tanks containing nonflammable gases, or cylinders, containers and tanks containing nonliquefied flammable gases that have been secured to a pallet for transportation purposes.
  
- Vaults shall be resistant to damage from the impact of a motor vehicle, or vehicle impact protection shall be provided in accordance with Section 312.

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**Permit Certification**

By my signature below, I hereby certify that I have read and examined this application and that all of the information contained therein is true and correct. Furthermore, I certify that the proposed operations will fully comply with the requirements contained in The Virginia Statewide Fire Prevention Code and any other related laws and /or Codes. I agree to indemnify, save harmless, and defend the City of Roanoke, its agents and employees, from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of these operations.

I acknowledge that if a permit is issued based on this application, it shall only be valid with in the building, facility, and/or location listed on this application for the specific date(s) and time(s) for which it is issued.

I acknowledge that approval of this application does not constitute permit issuance. Permit issuance does not occur until the completion of an on-site inspection by the Roanoke Fire Marshal's Office.

I acknowledge and understand that any violations of the Virginia Statewide Fire Prevention Code and/or the requirements of this permit may result in immediate permit suspension or revocation.

I agree to indemnify, save harmless, and defend the City of Roanoke, Virginia and its agents and employees from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of the activities associated with this permit.

<b>Name:</b>			
<b>Signature:</b>		<b>Date:</b>	

## Fire Prevention Code Permit Application Instructions and Conditions 2018 FGAS: Compressed Gas

<b>Permit Name:</b>	2018 FGAS: Compressed Gas	
<b>Statewide Fire Prevention Code Section:</b>	5301.2	
<b>Scope:</b>	An operational permit is required for the storage, use or handling at normal temperature and pressure (NTP) of compressed gases in excess of the amounts listed below.	
	<b>Exception:</b> Vehicles equipped for and using compressed gas as a fuel for propelling the vehicle.	
	<b>PERMIT AMOUNTS FOR COMPRESSED GASES</b>	
		<b>AMOUNT (cubic feet at NTP)</b>
	Corrosive	200
	Flammable (except cryogenic fluids and liquefied petroleum gases)	200
	Highly toxic	Any Amount
	Inert and simple asphyxiant	6,000
	Oxidizing (including oxygen)	504
	Pyrophoric	Any Amount
Toxic	Any Amount	
	For SI: 1 cubic foot = 0.02832 m <sup>3</sup> .	
<b>Fee:</b>	\$50.00	
<b>Duration:</b>	Annual	
<b>Application Requirements:</b>	<p>There are specific and specialized requirements described within this application. Please review the application for all requirements.</p> <p>After issuance of your initial permit(s), your permit(s) will be valid for one (1) year.</p>	

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<b>Operational Requirements:</b>	Permit holder agrees to abide by the Virginia Statewide Fire Prevention Code and any special stipulations noted on permit. Please review the application for all operational requirements.
<b>Submittal Instructions:</b>	Submittal must include a completed application and all attachments listed on page 2 of this application. This application will not be reviewed without all required attachments.