

**TOTAL SYSTEM**

There are three types of R-102 Restaurant Fire Suppression Systems:

1. Single-tank System
2. Double-tank System
3. Multiple-tank System

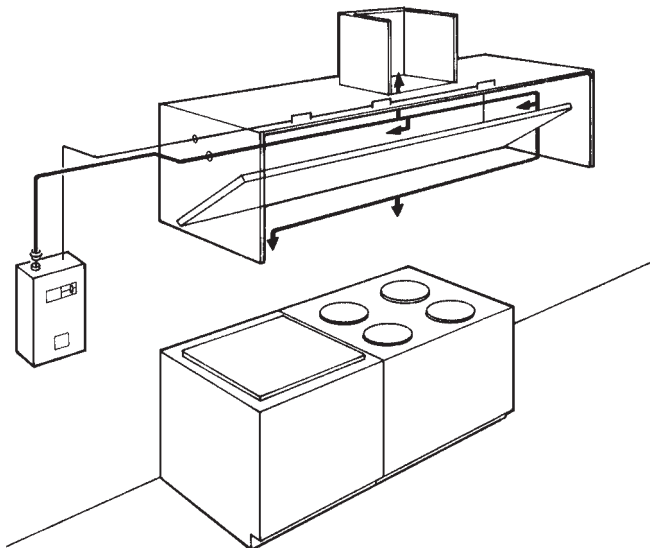
The type of system required for the particular installation will be determined through the guidelines covered in "System Design." Additional equipment which may be required to complete the system design is explained in the "System Components" section. Additional devices covered are: remote manual pull stations, mechanical and electrical gas shut-off valves, electrical switches, and pressure switches.

**Single-Tank System**

The R-102 single-tank system is available with a stainless steel enclosure and consists of:

1. ANSUL AUTOMAN Regulated Release Assembly (Electrical or Mechanical)
2. Nitrogen Cartridge and/or Carbon Dioxide Cartridge
3. ANSULEX Low pH Liquid Fire Suppressant
4. Discharge Nozzles
5. Detection Components
6. Additional Devices (As Required)

The regulated release assembly contains the regulated release mechanism, agent tank, expellant gas hose for agent tank hookup, and enclosure knockouts to facilitate installing detection system and additional equipment. Refer to "System Components" section for individual component descriptions.



**FIGURE 1**  
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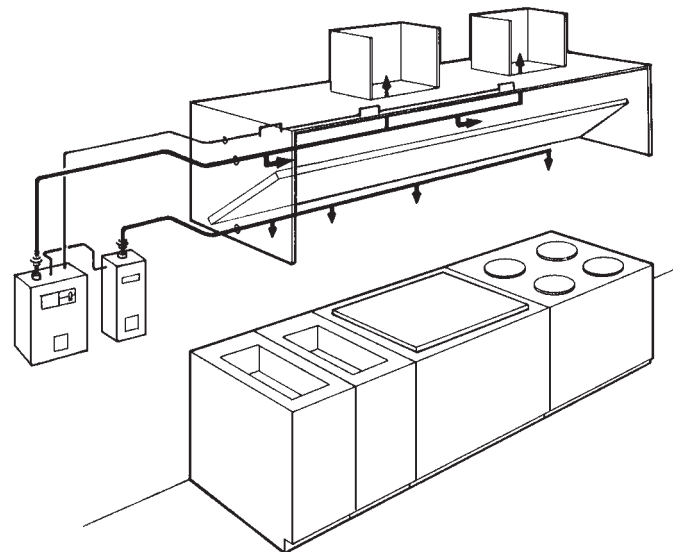
**Double-Tank System**

The R-102 double-tank system is available with a stainless steel enclosure and consists of:

1. ANSUL AUTOMAN Regulated Release Assembly (Electrical or Mechanical)
2. Nitrogen Cartridge and/or Carbon Dioxide Cartridge
3. ANSULEX Low pH Liquid Fire Suppressant
4. Enclosure or Bracket Assembly
5. Discharge Nozzles
6. Detection Components
7. Additional Devices (As Required)

The regulated release assembly contains the regulated release mechanism, agent tank, expellant gas hose for agent tank hookup, and enclosure knockouts to facilitate installing expellant piping, detection system, and additional equipment.

The enclosure or bracket assembly is mounted separately but within the guidelines of the regulated release assembly expellant gas piping requirements to ensure simultaneous actuation of the system. Refer to "System Components" section for individual component descriptions.



**FIGURE 2**  
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## SECTION II – SYSTEM DESCRIPTION

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### TOTAL SYSTEM (Continued)

#### Multiple-Tank System

The R-102 multiple-tank system is available with a stainless steel enclosure and consists of:

1. ANSUL AUTOMAN Regulated Release Assembly (Electrical or Mechanical)
2. Nitrogen Cartridge(s) and/or Carbon Dioxide Cartridge(s)
3. Regulated Actuator Assembly(ies)
4. ANSULEX Low pH Liquid Fire Suppressant
5. Enclosure or Bracket Assembly(ies)
6. Discharge Nozzles
7. Detection Components
8. Additional Devices (As Required)

The regulated release assembly contains the regulated release mechanism, agent tank, expellant gas hose for agent tank hookup, and enclosure knockouts to facilitate installing actuation piping, expellant piping, detection system, and additional equipment.

Each regulated actuator assembly is mounted separately but within the guidelines of the regulated release assembly actuation/expellant gas piping requirements to ensure simultaneous actuation of the system. The assembly contains the pneumatic actuator, regulator, agent tank, expellant gas hose for agent tank hookup, and enclosure plugs to facilitate installing expellant piping.

Each enclosure or bracket assembly is mounted separately but within the guidelines of the regulated release assembly or regulated actuator assembly expellant gas piping requirements to ensure simultaneous actuation of the system. Refer to "System Components" section for individual component descriptions.

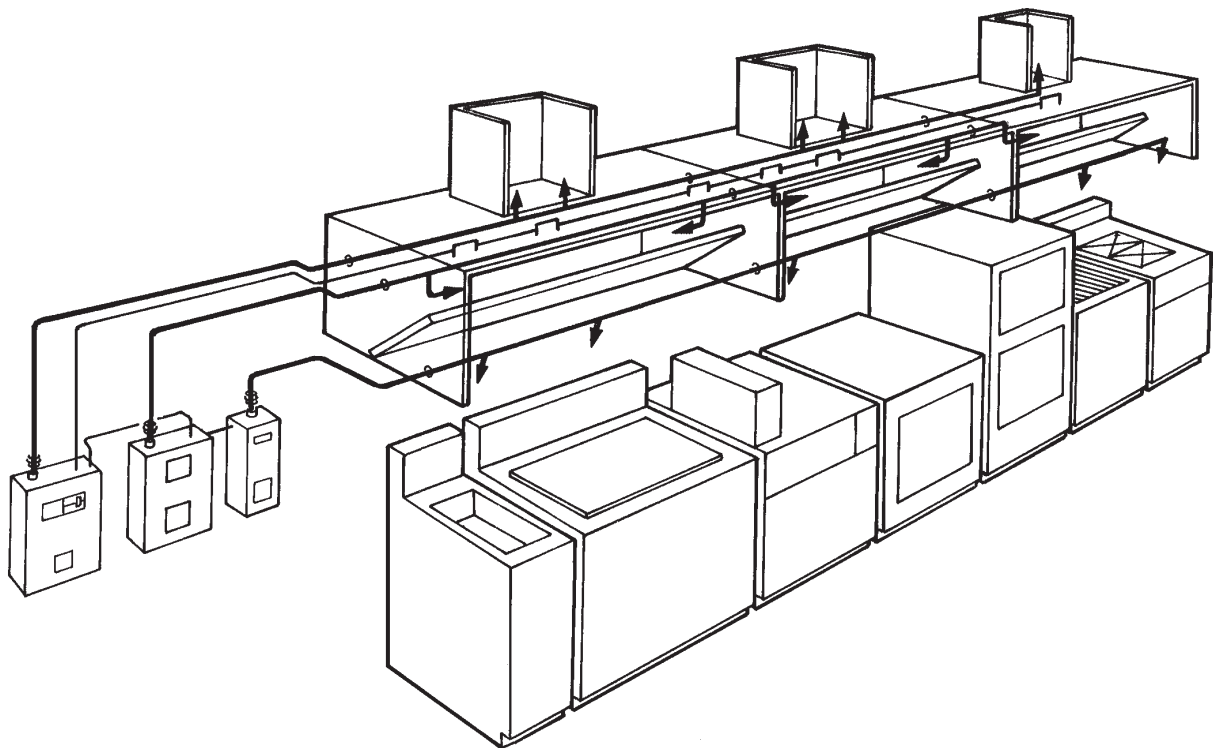


FIGURE 3  
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