

TABLE OF CONTENTS

CHAPTER 1 ADMINISTRATION 1	
Section	
101 General (IFGC) 1	408 Drips and Sloped Piping (IFGC)..... 68
102 Applicability (IFGC) 2	409 Shutoff Valves (IFGC)..... 68
103 Department of Inspection (IFGC)..... 2	410 Flow Controls (IFGC) 69
104 Duties and Powers of the Code Official (IFGC) 2	411 Appliance Connections (IFGC)..... 69
105 Approval (IFGC) 3	412 Liquefied Petroleum Gas Motor Vehicle Fuel-Dispensing Stations (IFGC) 70
106 Permits (IFGC)..... 4	413 Compressed Natural Gas Motor Vehicle Fuel-Dispensing Stations (IFGC) 71
107 Inspections and Testing (IFGC) 5	414 Supplemental and Standby Gas Supply (IFGC)..... 72
108 Violations (IFGC) 6	415 Piping Support Intervals (IFGS)..... 72
109 Means of Appeal (IFGC)..... 7	
 CHAPTER 2 DEFINITIONS 9	 CHAPTER 5 CHIMNEYS AND VENTS 73
Section	Section
201 General (IFGC) 9	501 General (IFGC) 73
202 General Definitions (IFGC)..... 9	502 Vents (IFGC) 74
 CHAPTER 3 GENERAL REGULATIONS 19	503 Venting of Equipment (IFGS)..... 74
Section	504 Sizing of Category I Appliance Venting Systems (IFGS)..... 84
301 General (IFGC) 19	505 Direct-Vent, Integral Vent, Mechanical Vent and Ventilation/Exhaust Hood Venting (IFGC)..... 99
302 Structural Safety (IFGC) 20	506 Factory-Built Chimneys (IFGC)..... 99
303 Appliance Location (IFGC)..... 20	 CHAPTER 6 SPECIFIC APPLIANCES 109
304 Combustion, Ventilation, and Dilution Air (IFGS) 21	Section
305 Installation (IFGC)..... 24	601 General (IFGC) 109
306 Access and Service Space (IFGC) 25	602 Decorative Appliances for Installation in Fireplaces (IFGC)..... 109
307 Condensate Disposal (IFGC) 26	603 Log Lighters (IFGC) 109
308 Clearance Reduction (IFGS)..... 26	604 Vented Gas Fireplaces (Decorative Appliances) (IFGC) 109
309 Electrical (IFGC) 29	605 Vented Gas Fireplace Heaters (IFGC) 109
310 Electrical Bonding (IFGS)..... 29	606 Incinerators and Crematories (IFGC)..... 109
 CHAPTER 4 GAS PIPING INSTALLATIONS..... 31	607 Commercial-Industrial Incinerators (IFGC) ... 109
Section	608 Vented Wall Furnaces (IFGC)..... 109
401 General (IFGC) 31	609 Floor Furnaces (IFGC) 110
402 Pipe Sizing (IFGS)..... 31	610 Duct Furnaces (IFGC)..... 110
403 Piping Materials (IFGS) 63	611 Nonrecirculating Direct-Fired Industrial Air Heaters (IFGC)..... 110
404 Piping System Installation (IFGC)..... 65	612 Recirculating Direct-Fired Industrial Air Heaters (IFGC) 111
405 Pipe Bends and Changes in Direction (IFGS) 66	613 Clothes Dryers (IFGC) 111
406 Inspection, Testing and Purging (IFGS)..... 66	614 Clothes Dryer Exhaust (IFGC)..... 111
407 Piping Support (IFGC) 68	

TABLE OF CONTENTS

615 Sauna Heaters (IFGC) 112

616 Engine and Gas Turbine-Powered
Equipment (IFGC) 113

617 Pool and Spa Heaters (IFGC) 113

618 Forced-Air Warm-Air Furnaces (IFGC). 113

619 Conversion Burners (IFGC) 113

620 Unit Heaters (IFGC) 113

621 Unvented Room Heaters (IFGC). 114

622 Vented Room Heaters (IFGC). 114

623 Cooking Appliances (IFGC) 114

624 Water Heaters (IFGC) 115

625 Refrigerators (IFGC) 115

626 Gas-Fired Toilets (IFGC) 115

627 Air-Conditioning Equipment (IFGC). 115

628 Illuminating Appliances (IFGC). 116

629 Small Ceramic Kilns (IFGC) 116

630 Infrared Radiant Heaters (IFGC) 116

631 Boilers (IFGC) 116

632 Equipment Installed in Existing
Unlisted Boilers (IFGC). 116

633 Fuel Cell Power Plants (IFGC). 116

634 Chimney Damper Opening
Area (IFGS). 116

**CHAPTER 7 GASEOUS HYDROGEN
SYSTEMS 119**

Section

701 General (IFGC) 119

702 General Definitions (IFGC) 119

703 General Requirements (IFGC) 119

704 Piping, Use and Handling (IFGC) 120

705 Testing of Hydrogen Piping Systems (IFGC) . . 121

706 Location of Gaseous Hydrogen Systems
(IFGC) 122

707 Operation and Maintenance of Gaseous Hydrogen
Systems (IFGC) 122

708 Design of Liquefied Hydrogen Systems
Associated With Hydrogen Vaporization
Operations (IFGC). 123

CHAPTER 8 REFERENCED STANDARDS. 125

**APPENDIX A SIZING AND CAPACITIES OF
GAS PIPING (IFGS). 129**

**APPENDIX B SIZING OF VENTING SYSTEMS
SERVING APPLIANCES
EQUIPPED WITH DRAFT
HOODS, CATEGORY I
APPLIANCES, AND
APPLIANCES LISTED
FOR USE AND TYPE B
VENTS (IFGS) 139**

**APPENDIX C EXIT TERMINALS OF
MECHANICAL DRAFT AND
DIRECT-VENT VENTING
SYSTEMS (IFGS) 149**

**APPENDIX D RECOMMENDED PROCEDURE
FOR SAFETY INSPECTION OF
AN EXISTING APPLIANCE
INSTALLATION (IFGS) 151**

INDEX 153