

1 R	MISCELLANEOUS	12.23	..Ports closed by valve action
1 A	.Burner controls not elsewhere classified in class	13	.Plenum type
1 B	.Zone control for heating and cooling medium	14	COMBINED BOILER AND FURNACE CONTROLLED
1 C	.Heating and cooling controls	15 R	FURNACE CONTROLLED
1 D	.Stoker controls	15 A	.Domestic oven controls
1 E	.Multistage controls	15 BR	.Commercial furnace controls
1 EA	..Multiple valve staging	15 BA	..Solid fuel burning
1 EB	..Single valve staging	15 BB	..Product and furnace temperature sensor
1 F	.Piezoelectric crystal and other electric unit temperature controls	15 BC	..With conveyor thru furnace
1 G	.Heat conserving damper control	15 BD	..Air and fuel control
1 H	.Burner controls with automatic cutoff	15 BE	..Recuperator, gas turbine, melting furnace
2	INCUBATOR TYPE OF HEATER	15 BF	..Specialized furnace or heater, e.g., crystal growing
3	.Electric	15 BG	..Timer or program
	.Thermostatic	15 C	.Furnace controlled responsive to pressure
4	..Expanding fluid	15 E	.Furnace controlled responsive to combustion products composition
5	..Expanding solid	16	COMBINED DRAFT AND CHECK CONTROL EXCHANGE HEATERS
6	BROODER TYPE OF HEATER	17	.Pressure-operated
7	SADIRON TYPE		.Thermostatic
8	ATOMIZER TYPE OF BURNER	18	..Expanding fluid
9 R	COMBINED HEATER AND APARTMENT CONTROLLED	19	..Expanding solid
9 A	.Combined heating and apartment control with heating medium circulation control	20 R	CLOSED FLUID HEATERS
10	HOT-AIR FURNACE	21 R	.Safety cut-out
11	.Air and fire control	21 B	..Water heater control with excessive temperature cutoff
12.1	MIXING FLUID OF DISSIMILAR TEMPERATURE	22	.Radiator type
12.11	.Mixing valve with temperature motive means		.Combined thermostat and flow controlled
12.12	..Having electrical motive means	23	..One valve
12.13	.Including bypass	24	..Two or more valves
12.14	.Fluid from only one supply is controlled	24.5	.Flow and pressure controlled
12.15	.Including separate relatively movable valve for each fluid supply	25 R	.Flow controlled
12.16	.Having oscillating or reciprocating valve	25 A	..Flow responsive valve controlling fuel
12.17	..Valving member moves about an axis	26 R	.Pressure-operated
12.18	...Tubular valve member	27	..With balancing pressure chamber
12.19	..Axially spaced flow control faces	28	..Stroke retarding
12.2	..Tubular valve member	29	..Relay, puppet
12.21	..Axially spaced flow control faces	30	..Bourdon type
12.22	...Seats face outwardly	31	..Float
		26 A	..Gas burner controls
		26 B	..Pressure responsive means controls draft
		26 C	..Pressure responsive elements per se

26 D	..Pressure responsive means controls forced draft		
26 E	..Pressure responsive means controls oil burner	53	
26 F	..Pressure responsive means controls fluid coupling	54	
	..Thermostatic	55	
32	..Expanding fluid	56	
33	..Expanding solid	57	
20 A	.Top burner control	58	
34	COOLING RADIATOR	59	
34.5	.Bypass	60	
35	.Air control		
35.2	..Shutters		
35.3	...Servomotor		
36	HEATING RADIATOR	61	
37	.Combined radiator and apartment controlled	62	
38	.Air control	63	
	.Exhaust operated	64	
	..Fluid-operated motor	65	
39	...Aspirator	66	
40	..Thermostatic	67	
41	..With trap	68 R	
	.Thermostatic	68 A	
42	..Expanding fluid		
43	..Expanding solid		
44 R	HUMIDITY CONTROL	68 B	
44 A	.Humidity control per se		
44 B	.With evaporator cooling spray	68 C	
44 C	.Humidity and temperature control		
44 E	.With electrical conductive element	68 D	
45	DRAFT-OPERATED		
46 R	WITH TIMING ELEMENT	69	
46 A	.Diverse sensor	70	
46 B	.Stoker control	71	
46 C	.Controlled diverse means	72	
46 D	.Domestic oven	73	
46 E	.Hot air furnace	74 R	
46 F	.Timer other than clock	75	
47	HIGH AND LOW TEMPERATURE	76	
	ALTERNATE	77	
48 R	SNAP-ACTING	78 R	
48 A	.Including a permanent magnet	78 A	
49.1	VENTILATOR TYPE	78 B	
49.2	.Responsive to fire or smoke	78 C	
49.3	.Electrically actuated	78 D	
49.4	.Pneumatically actuated	74 A	
49.5	.Mechanical linkage actuated		
50	LIQUID VALVE		
51	DISTANCE-ADJUSTED	79	
52	FLOAT-OPERATED	80 R	
			TRAPS
			.Float valve
			..Thermostatic air valve
			.Pressure-operated valve
			..Thermostatic pilot
			.Thermostatic
			..With float-controlled pilot
			..Expanding fluid
			...Bourdon type
			...Wafer type
			..Expanding solid
			...Conduit
			AIR-RELIEF VALVES
			.Radiator type
			..Thermostatic
			...With pressure control
			...With separate float
			...Expanding float
			...Expanding fluid
		Float-operated
			...Expanding solid
			MOTORS
			.Relay
			..Auxiliary heater
			...Heated expansible chamber vaporizer liquid injected by thermostat
			...Auxiliary heater applied to main temperature sensing means
			...Auxiliary heater applied to control device away from main temperature sensor
			...Thermo-controlled pilot burner operates a heat motor to actuate main fuel valve
			..Pyrometer galvanometer
			...With heating element
			.Balanced
			..Thermostatic relay
			.Continuous drive
			.Electric
			..Reciprocating or oscillating
			..Step-by-step
			..Vibrating arm
			..Relay
			...Plural control elements
			...Plural temperature sensors
			...Reversible motor
			...Proportional control
			..Electric motor driven pump
			.Fluid-operated
			..Relay
			...Shunt

80 AAirplane
 80 BPlural main valves
 80 CPlural temperature sensors
 80 DPure fluid
 80 EPlural pilots by single
 actuator
 80 FDiaphragm biased open by line
 pressure
 80 GPiston-type valve operator
 81 ...Snap-acting
 82 ...Compound
 83Snap-acting
 84 ...Electric
 85 ...Pressure-operated
 ...Thermostatic
 86Expanding fluid
 87Expanding solid
 88 .Magnetic release
 89 ..Safety cut-out
 90 .Thermal release

THERMOSTATIC

91 R .Hot and cold
 91 A ..Nonhabitable enclosure, e.g.,
 incubator
 91 B ..With oil burner
 91 C ..With diverse sensor, e.g.,
 humidity, pressure
 91 D ..Heating and cooling
 91 E ..Plural room or plural outside
 thermostat
 91 F ..With at least one temperature
 sensor for temperature
 modifying media
 91 G ..Current modifying sensor
 92 R ..With pressure control
 92 A ..Combined with fuel gas pressure
 regulator
 92 B ..Refrigeration expansion valves
 92 C ..Pressure- and temperature-
 actuated relief valves
 92 D ..Pressure- and temperature-
 actuated valves associated
 with carburetors
 93 R .In fluid controlled
 93 A ..Expanding fluid
 93 B ..Shower heads
 94 .With indicator or alarm
 .Flue or heater attached
 95 ..Expanding fluid
 96 ..Expanding solid
 97 .Cooled element
 98 .Fluid transmission
 99 R .Expanding fluid
 100 ..Float or piston operation

99 A ..Nontemperature sensor
 99 B ..Nonvalving device
 99 C ..External and internal sensors
 99 D ..Heat shield
 99 E ..Plural temperature sensors
 99 F ..Pivoted valve
 99 G ..Lever
 99 H ..Liquid fuel feed
 99 K ..Wax thermostat
 99 J ..In flow line
 101 R .Expanding solid
 102 ..Concentric elements
 103 ..Conduit
 104 ..Fire pot
 101 A ..Plural inlets or outlets
 101 B ..Plural thermostats
 101 C ..Thermostat with I.C.E.
 101 D ..Coil thermostat
 101 E ..Compound lever

FOREIGN ART COLLECTIONSFOR 000 **CLASS-RELATED FOREIGN DOCUMENTS****DIGESTS**

DIG 1 **ADJUSTABLE LEVER**
 DIG 2 **FAIL SAFE**
 DIG 3 **SAFETY ELECTRIC**
 DIG 4 **SAFETY VACUUM**
 DIG 5 **FUSIBLE**
 DIG 6 **CLAMP ON**
 DIG 7 **COIL BULB**
 DIG 8 **COMPUTER**
 DIG 9 **FAN CONTROL**
 DIG 10 **FILLING**
 DIG 11 **EXPANDIBLE FLUID**
 DIG 12 **HEAT CONDUCTOR**
 DIG 13 **HUMIDITHERMOSTAT**
 DIG 14 **INTERMITTANT CONTROL**
 DIG 15 **PHOTOCELL**
 DIG 16 **RELIEF SPRING**
 DIG 17 **SPRING RATE COMPENSATOR**
 DIG 18 **RUBBER**
 DIG 19 **VENTILATED THERMOSTAT**

