This Class 392 is considered to be an integral part of Class 219 (see the Class 219 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 219.

HEATING DEVICES (CLASS 219 SUBCLASS 200)

301 .Borehole type
302 ..With heat exchange fluid
303 ..With vapor generator
304 ..Heating element surrounding delivery pipe
305 ..Suspended by cable in well
306 ..Plural separate heating devices
307 .Combined with nonelectric heating means (e.g., gas, etc.)
308 ..For heating liquid
309 ..Hot plate
310 ..Oven type
311 .Fluid-in-circuit type heater
312 ..Method
313 ..Portable
314 ..Continuous flow of fluid being heated
315 ...With means to adjust current path between electrodes
316 ....Responsive to condition of fluid
317 ....Movable dielectric means
318 ....Current control means
319 ...With discharge member for line or tank
320 ...Tube or pipe forms flow path
321 ....Pipe forms at least one electrode
322 ..With reservoir or tank
323 ...With means to adjust current path between electrodes
324 ..Steam or vapor generator
325 ...Line connected boiler
326 ....Control of electrode immersion level
327 ....By electrode current
328 ....By pressure
329 ...With means to adjust current path between electrodes
330 ....Movable dielectric means
331 ....Electrode arrangement
332 ....Water jet electrode
333 ....Manually filled tank or container
334 ....With means to adjust current path between electrodes
335 ....With supply interlock means
336 ....Separate electrode compartment
337 ....Electrode compartment removable from tank
338 ..Electrode details
339 ..With heat storage means
340 ..Method
341 ..For fluid heating (e.g., gas or liquid, etc.)
342 ..For vaporization
343 ..For subsequent heating by radiation
344 ..For subsequent heating by convection
345 ..Means to control heating accumulating medium
346 ..Heat accumulating medium details
347 .Convection space heater
348 ..Artificial fire
349 ..Central heating type
350 ...With air delivery duct
351 ..Floor furnace type
352 ..Baseboard type
353 ...With baffle
354 ..With intermediate heat absorber
355 ...Heated by radiant source
356 ....With fan blower
357 ...With fluid heat absorber
358 ....By fan blower
359 ....Wall mounted
360 ..Forced air type
361 ....Heating attachment for fan
362 ...Fan with heated blades
363 ...Wall mounted
364 ...Ceiling mounted
365 ...Portable
366 ....With fan position adjusting means
367 ....Multi-direction air outlet
368 .....With baffle
369 .....Counterflow
370 ..Wall mounted
371 ...In wall cavity
372 ..Mounted in or on window or door
373 ..Portable
...With baffle
...Combined with radiation
...With reflector
...With heat exchange fluid
....In plural sections
...Concentrated heated air stream
(i.e., blast)
...For drying body part
...Wall mounted
...Portable
...With handle
....Pistol-grip type
...Vaporizer
...Method
...For metal vapor deposition
...With crucible
...With disposable evaporant cartridge or container
...By radiant heat source
...Wall mounted
...By light bulb heat source
...Liquid evaporant (e.g., water, etc.)
...With wick
...In continuous flow line
....Pipe or tube forms flow path
....With internal heating element
...Flash chamber
...In-line connected closed tank
(i.e., pressurized)
...With internal heating element
...In-line connected open tank or container (i.e., nonpressurized)
...Container with self-contained evaporant supply
....Hand-held
....With separate heating chamber
.....Removable
...Radiant heater
....With filter or diffuser for radiant energy
...Hand-held
...With air or gas circulation
...Lamp banks (i.e., array of plural lamps)
...Adjustable lamps position
....Adjustable individual lamp position
...Lamp banks form arch
...Lamp banks movable relative to stationary work during use
...With chamber
...For heating moving strand, web or sheet
....Plural radiant beam
...Elliptical or ellipsoidal reflector
...Elongated reflector
....Heating element in transparent tubular envelope
...With exposed radiant heating element
....Bowl-shaped reflector
....Annular heating element concentric with reflector axis
...Linear heating element aligned with reflector axis
.....Coiled on core
...Wall mounted
...Collapsible or foldable reflector
...Radiant extended surface type heater
....With exposed radiant heating element
....On ceramic support structure
...With heat radiating panel
....Wall or ceiling mounted
......Plural panels
...Heating element formed as coating on radiating panel surface
.....Nonmetallic panel
...Multi-direction radiant heat output
...Tank or container type liquid heater
...Pour-in displacement discharge type tank
...Flexible container (e.g., water bottle, etc.)
...Portable container or tank
....Plural compartments
...With agitator
....With internally positioned heating element
.....Removably inserted through fill opening
....Line connected tank
...Plural serially connected compartments
...With immersion heating element
...With baffle or guard
...Removably insertable into tubing receptacle in tank
...Plural heating zones
...With heating element mounting arrangements
...With heat exchange fluid
...With protecting means against galvanic corrosion
...With external heater
...Clamped or secured to tank wall
...Producing radiation
...With externally mounted circulation-type heater
...Laterally disposed (i.e., side-arm type)
...With timer controlled energization
...Off-peak power
Continuous flow type fluid heater
...Method
...With hot plate
...Pipeline tracing
...Skin effect heater type (e.g., S.E.C.T., etc.)
Disposable cartridge, tube or bag forms heated flow path (e.g., blood bag, etc.)
Combined liquid flow heater and pump unit
...Flexible (e.g., hose, etc.)
...Fluid heater carried on discharge member
...Valve turns heating element on and off
...Hand-held discharge member
...With storage container for fluid to be heated
...Fluid conveying tube or pipe comprising resistive heating element
...Externally heated line connected section
...Pipe or tube forms flow path
...Coiled
...Plural pipes or tubes form flow path
...Heating element producing radiation
...Block forms flow path
...Heated line section with heating element internal of flow path
...Plural pipes or tubes form flow path
...With jacket for heating element
...Pipe or tube forms flow path
...With jacket for heating element
...Plural heated line sections (e.g., series or parallel, etc.)
...With baffle-defined flow path
...Producing counterflow circulation
......Heating element integral with baffle
...Block forms flow path
...Plural different fluids simultaneously heated
...With heat exchange fluid
...Immersion heater details
...With thermostatic control means
...Buoyant in liquid
...With plural heating elements
...With particular mounting means
...Having positive temperature coefficient
...Particular sheath or jacket composition

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