

<p>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.</p> <p>HEATING DEVICES (CLASS 219 SUBCLASS 200)</p> <p>301 .Borehole type</p> <p>302 ..With heat exchange fluid</p> <p>303 ..With vapor generator</p> <p>304 ..Heating element surrounding delivery pipe</p> <p>305 ..Suspended by cable in well</p> <p>306 ..Plural separate heating devices</p> <p>307 .Combined with nonelectric heating means (e.g., gas, etc.)</p> <p>308 ..For heating liquid</p> <p>309 ..Hot plate</p> <p>310 ..Oven type</p> <p>311 .Fluid-in-circuit type heater</p> <p>312 ..Method</p> <p>313 ..Portable</p> <p>314 ..Continuous flow of fluid being heated</p> <p>315 ..With means to adjust current path between electrodes</p> <p>316Responsive to condition of fluid</p> <p>317Movable dielectric means</p> <p>318 ...Current control means</p> <p>319 ...With discharge member for line or tank</p> <p>320 ...Tube or pipe forms flow path</p> <p>321Pipe forms at least one electrode</p> <p>322 ..With reservoir or tank</p> <p>323 ...With means to adjust current path between electrodes</p> <p>324 ..Steam or vapor generator</p> <p>325 ...Line connected boiler</p> <p>326Control of electrode immersion level</p> <p>327By electrode current</p> <p>328By pressure</p> <p>329With means to adjust current path between electrodes</p> <p>330Movable dielectric means</p>	<p>331Electrode arrangement</p> <p>332Water jet electrode</p> <p>333 ...Manually filled tank or container</p> <p>334 ...With means to adjust current path between electrodes</p> <p>335 ...With supply interlock means</p> <p>336Separate electrode compartment</p> <p>337Electrode compartment removable from tank</p> <p>338 ..Electrode details</p> <p>339 .With heat storage means</p> <p>340 ..Method</p> <p>341 ..For fluid heating (e.g., gas or liquid, etc.)</p> <p>342 ..For vaporization</p> <p>343 ..For subsequent heating by radiation</p> <p>344 ..For subsequent heating by convection</p> <p>345 ..Means to control heating accumulating medium</p> <p>346 ..Heat accumulating medium details</p> <p>347 .Convection space heater</p> <p>348 ..Artificial fire</p> <p>349 ..Central heating type</p> <p>350 ...With air delivery duct</p> <p>351 ..Floor furnace type</p> <p>352 ..Baseboard type</p> <p>353 ...With baffle</p> <p>354 ..With intermediate heat absorber</p> <p>355 ...Heated by radiant source</p> <p>356With fan blower</p> <p>357 ...With fluid heat absorber</p> <p>358By fan blower</p> <p>359Wall mounted</p> <p>360 ..Forced air type</p> <p>361 ...Heating attachment for fan</p> <p>362 ...Fan with heated blades</p> <p>363 ...Wall mounted</p> <p>364 ...Ceiling mounted</p> <p>365 ...Portable</p> <p>366With fan position adjusting means</p> <p>367Multi-direction air outlet</p> <p>368With baffle</p> <p>369Counterflow</p> <p>370 ..Wall mounted</p> <p>371 ...In wall cavity</p> <p>372 ..Mounted in or on window or door</p> <p>373 ..Portable</p>
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374	...With baffle	415	...Lamp banks movable relative to stationary work during use
375	..Combined with radiation	416	..With chamber
376	...With reflector	417	..For heating moving strand, web or sheet
377	...With heat exchange fluid	418	..With support for workpiece
378	....In plural sections	419	..Focussed radiant beam
379	.Concentrated heated air stream (i.e., blast)	420	...Plural reflectors
380	..For drying body part	421	...Elliptical or ellipsoidal reflector
381	...Wall mounted	422	..With reflector
382	..With support	423	...Elongated reflector
383	..Portable	424	...Heating element in transparent tubular envelope
384	...With handle	425	...With exposed radiant heating element
385	....Pistol-grip type	426	...Bowl-shaped reflector
386	.Vaporizer	427	...Annular heating element concentric with reflector axis
387	..Method	428	....Linear heating element aligned with reflector axis
388	..For metal vapor deposition	429	.....Coiled on core
389	...With crucible	430	...Wall mounted
390	..With disposable evaporant cartridge or container	431	...Collapsible or foldable reflector
391	..By radiant heat source	432	..Radiant extended surface type heater
392	..Wall mounted	433	...With exposed radiant heating element
393	..By light bulb heat source	434	....On ceramic support structure
394	..Liquid evaporant (e.g., water, etc.)	435	...With heat radiating panel
395	...With wick	436	....Wall or ceiling mounted
396	...In continuous flow line connected heater	437	.....Plural panels
397	....Pipe or tube forms flow path	438	...Heating element formed as coating on radiating panel surface
398	.....With internal heating element	439	....Nonmetallic panel
399	...Flash chamber	440	..Multi-direction radiant heat output
400	...In-line connected closed tank (i.e., pressurized)	441	.Tank or container type liquid heater
401	....With internal heating element	442	..Pour-in displacement discharge type tank
402	...In-line connected open tank or container (i.e., nonpressurized)	443	..Flexible container (e.g., water bottle, etc.)
403	...Container with self-contained evaporant supply	444	..Portable container or tank
404	....Hand-held	445	...Plural compartments
405	....With separate heating chamber	446	...With agitator
406	.....Removable	447	...With internally positioned heating element
407	.Radiant heater	448	...Removably inserted through fill opening
408	..With filter or diffuser for radiant energy	449	..Line connected tank
409	..Hand-held		
410	..With air or gas circulation		
411	..Lamp banks (i.e., array of plural lamps)		
412	...Adjustable lamps position		
413Adjustable individual lamp position		
414	...Lamp banks form arch		

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| 450 | ...Plural serially connected compartments | 483 | ...Heating element producing radiation |
| 451 | ...With immersion heating element | 484 | ...Block forms flow path |
| 452 | ...With baffle or guard | 485 | ..Heated line section with heating element internal of flow path |
| 453 | ...Removably insertable into tubular receptacle in tank | 486 | ...Plural pipes or tubes form flow path |
| 454 | ...Plural heating zones | 487 | ..With jacket for heating element |
| 455 | ...With heating element mounting arrangements | 488 | ...Pipe or tube forms flow path |
| 456 | ...With heat exchange fluid | 489 | ...With jacket for heating element |
| 457 | ...With protecting means against galvanic corrosion | 490 | ...Plural heated line sections (e.g., series or parallel, etc.) |
| 458 | ..With external heater | 491 | ...With baffle-defined flow path |
| 459 | ...Clamped or secured to tank wall | 492 | ...Producing counterflow circulation |
| 460 | ...Producing radiation | 493 | ...Heating element integral with baffle |
| 461 | ...With externally mounted circulation-type heater | 494 | ...Block forms flow path |
| 462 | ...Laterally disposed (i.e., side-arm type) | 495 | ..Plural different fluids simultaneously heated |
| 463 | ..With timer controlled energization | 496 | ..With heat exchange fluid |
| 464 | ...Off-peak power | 497 | ..Immersion heater details |
| 465 | ..Continuous flow type fluid heater | 498 | ..With thermostatic control means |
| 466 | ..Method | 499 | ..Buoyant in liquid |
| 467 | ..With hot plate | 500 | ..With plural heating elements |
| 468 | ..Pipeline tracing | 501 | ..With particular mounting means |
| 469 | ...Skin effect heater type (e.g., S.E.C.T., etc.) | 502 | ..Having positive temperature coefficient |
| 470 | ..Disposable cartridge, tube or bag forms heated flow path (e.g., blood bag, etc.) | 503 | ..Particular sheath or jacket composition |
| 471 | ..Combined liquid flow heater and pump unit | | |
| 472 | ..Flexibe (e.g., hose, etc.) | | |
| 473 | ..Fluid heater carried on discharge member | | |
| 474 | ...With flow control valve (e.g., faucet, etc.) | | |
| 475 | ...Valve turns heating element on and off | | |
| 476 | ...Hand-held discharge member | | |
| 477 | ...With storage container for fluid to be heated | | |
| 478 | ..Fluid conveying tube or pipe comprising resistive heating element | | |
| 479 | ..Externally heated line connected section | | |
| 480 | ...Pipe or tube forms flow path | | |
| 481 | ...Coiled | | |
| 482 | ...Plural pipes or tubes form flow path | | |

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