



Product Section and Subsection Scopes

Product Sections/ Subsections (Listed Alphabetically)	Scope
<p>1. Applied Packaged Systems Product Section</p> <p><i>Contact: Rupert Alfiler</i></p>	<p>Packaged Terminal Subsection</p> <p>A packaged terminal air-conditioner is a wall sleeve and a separate encased combination of heating and cooling assemblies specified by the manufacturer and intended for mounting through the wall. It includes refrigeration components, separable outdoor louvers, forced ventilation, and heating which may be provided by hot water, steam, or electrical resistance heat. Models designated as “cooling only” units need not include heating elements if the physical characteristics and arrangement of the refrigeration systems are identical to models with heating availability.</p> <p>A packaged terminal heat pump is a separate encased refrigeration system installed in a cabinet of similar function and configuration to that of a packaged terminal air-conditioner. It utilizes reverse refrigeration as its prime heat source and should have another supplementary heat source which may be provided by hot water steam, or electric resistance heat. Excluded are room air-conditioners, room fan-coil air-conditioners, water-source heat pumps, unitary single packaged air-conditioners and heat pumps, and single package vertical air conditioners and heat pumps.</p> <p>Single Package Vertical Unit Subsection</p> <p>Factory-assembled single packaged vertical air-conditioners and heat pumps intended for use in commercial and industrial heating and cooling systems.</p> <p>A single packaged vertical air conditioner (SPVAC) is a type of air-cooled small or large commercial package air conditioning and heating equipment; factory assembled as a single package having its major components arranged vertically, which is an encased combination of cooling and optional heating components. This equipment is intended for exterior mounting on, adjacent interior to, or through, an outside wall; and is powered by single or three phase current. It may contain separate indoor grille(s), outdoor louvers, various ventilation options, indoor free air discharge, ductwork, wall plenum or sleeve. Heating components may include electrical resistance, steam, hot water, gas or no heat, but may not include reverse cycle refrigeration as a heating means.</p> <p>A single packaged vertical heat pump is a SPVAC that utilizes reverse cycle refrigeration as its primary heat source, with secondary supplemental heating by means of electrical resistance, steam, hot water or gas.</p>

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<p>2. Air-Conditioning & Heat Transfer Product Section <i>Contact:</i> <i>Laura Petrillo</i></p>	<p>Heat transfer devices of the types generally used in mechanical air conditioning, as outlined in the following subsection scopes.</p> <p>Air-Heating and Air-Cooling Coils Subsection Central system finned cooling and heating coils, air conditioning type, not a part of a matched split system as covered by the Unitary Small Equipment Section, and intended for field installation, and for central-station air conditioning units used with, but not including, means for air circulation.</p> <ol style="list-style-type: none"> 1. Standard Steam. 2. Steam distributing tube type. 3. Hot water heating. 4. Standard water cooling and/or heating. 5. Cleanable tube water. 6. Volatile refrigerant cooling. 7. Liquids as specified from time to time by the subsection. <p>Wetted surface dehumidifiers, consisting of a suitable enclosure containing cooling coils, means for liquid spray over the cooling coils, and tank, but without means for air circulation provided as an integral part of the unit. The unit may include a recirculating water pump, eliminator plates, and inlet deflectors.</p> <p>Central Station Air-Handling Units Subsection Central-station air-handling units, motor driven fan type, for use with a remote or external source of cooling and for heating, and/or ventilating, consisting of a coil (where applicable), fan, and enclosure, not including units having direct expansion coils which are incorporated by the manufacturer in a matched split system air conditioner or as otherwise defined in the product scope definition of other AHRI product sections. (This subsection is responsible for all central-station air-handling units rated and sold separately.)</p> <p>Room Fan Coils Units Subsection Room fan-coil air conditioner units which are factory-made assemblies providing the functions of circulation, cooling and heating, and filtering of air, but which do not include the source of cooling or heating. These devices are normally designed for free-delivery of air into a room, but may be applied with minimal ductwork having a static resistance generally not exceeding ¼" of water. These devices may be designed for furred-in application, or with an enclosure for application within the conditioned space. These devices are generally designed in sizes of less than 1500 cfm air delivery.</p> <p>Unit Ventilators Subsection Factory-made unit ventilators for all applications and sizes. A unit ventilator is an institutional type assembly, equipped with ventilation and return air dampers capable of introducing ventilation air of at least 80% of rated standard air flow, while also providing the functions of circulating or heating, heating or cooling and filtering air.</p> <p>The source of humidity control, heating or cooling supplementary to that from ventilation air, may be remote of an integral part of the unit itself. This equipment is designed for free delivery of air into a room but may be applied with minimal duct work having a static resistance normally not exceeding 0.50 inches water column. This equipment is provided with air capacities of 3000 cfm or less.</p> <p>Excluded are individual assemblies such as a cooling or heating section for separate use, and the following equipment:</p> <ol style="list-style-type: none"> 1. Room air-conditioners as defined in AHAM standard RAC-1. 2. Room fan-coil and air induction units as defined in AHRI standards RAC-1. 3. Packaged terminal air-conditioners and heat pumps as defined in AHRI standard 310/380. 4. Central-station air handling units as defined in AHRI standard 430.

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3. Air Control and Distribution Devices Product Section <i>Contact:</i> <i>Mike Woodford</i>	<p>Ducted devices, used to deliver air into/or remove air from a space and which provide control of air volume, direction, temperature, and/or pressure. Specifically included are the following devices:</p> <ol style="list-style-type: none"> 1. Diffusers 2. Constant or Variable Air Volume Terminals <p>Excluded are all grilles and registers and those products specifically covered by the Air-Cooling and Heating Coils Subsection and the Room Fan-Coil and Air-Induction Subsection of the Air Conditioning Heat Transfer Products Section.</p>
4. Air Filtration and Ultraviolet Light Treatment Section <i>Contact:</i> <i>Rupert Alfiler</i>	<p>Air filtration devices of the types generally used in residential and commercial environments, as outlined in the following subsection scopes.</p> <p>Mechanical Air Filter Subsection A device that utilizes a filter media, which may or may not have a passive electrostatic charge, to mechanically remove airborne particulate, including particulate from biological sources, in residential and commercial heating, ventilating, air conditioning and refrigeration (HVACR) systems.</p> <p>Electronic Air Filter Subsection An electrically powered device that utilizes an active electrical or ionization field to impose a charge on the airborne particulate, including particulate from biological sources, that assists in removing the particulate from the air stream in residential and commercial heating, ventilating, air conditioning and refrigeration (HVACR) systems.</p> <p>Ultraviolet Light Treatment Subsection Factory made devices that create light in the Ultraviolet wavelength for use either as a germicidal light to affect microorganisms on illuminated surfaces or in the air stream or to cause a catalytic reaction to break down contaminants in the air circulating in the ductwork of residential and commercial environments.</p>
5. Air-to-Air Energy Recovery Ventilation Product Section <i>Contact:</i> <i>Sunil Nanjundaram</i>	<p>Heat transfer devices of the types generally used in mechanical air conditioning, as outlined in the following subsection scopes.</p> <p>Air-Heating and Air-Cooling Coils Subsection Central system finned cooling and heating coils, air conditioning type, not a part of a matched split system as covered by the Unitary Small Equipment Section, and intended for field installation, and for central-station air conditioning units used with, but not including, means for air circulation.</p> <ol style="list-style-type: none"> 1. Standard Steam. 2. Steam distributing tube type. 3. Hot water heating. 4. Standard water cooling and/or heating. 5. Cleanable tube water. 6. Volatile refrigerant cooling. 7. Liquids as specified from time to time by the subsection. <p>Wetted surface dehumidifiers, consisting of a suitable enclosure containing cooling coils, means for liquid spray over the cooling coils, and tank, but without means for air circulation provided as an integral part of the unit. The unit may include a recirculating water pump, eliminator plates, and inlet deflectors.</p>

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6. Automatic Commercial Ice Makers Product Section <i>Contact:</i> <i>Sunil Nanjundaram</i>	Automatic ice makers, ice storage bins, ice dispensers of all sizes, and all combination ice machines, including combination ice machines and beverage dispensers, sold for use in commercial applications.
7. Blowers, Fan and Motors Product Section <i>Contact:</i> <i>Marc Neufcourt</i>	Automatic ice makers, ice storage bins, ice dispensers of all sizes, and all combination ice machines, including combination ice machines and beverage dispensers, sold for use in commercial applications.
8. Burners Product Section <i>Contact:</i> <i>Aykut Yilmaz</i>	To support the objectives of the Association and advance the common interests of the members of the Section by engaging in lawful trade association activities with respect to gas burners, oil burners, and combination gas/oil burners and components thereof for use in residential, commercial and industrial applications.
9. Chemicals and Refrigerant Reclaimers Product Section <i>Contact:</i> <i>Helen Davis</i>	<p>Companies who manufacture equipment, chemical compounds, or reclaim recovered refrigerant as outlined in the subsection scopes below.</p> <p>Chemicals Subsection</p> <p>The subsection is open to companies who manufacture chemical compounds which have significant application in conjunction with the manufacture, operation, or service of air conditioning and refrigeration equipment, and containers and equipment used to transport, store, or process these chemicals.</p> <p>Chemical compounds covered are limited to the following:</p> <ol style="list-style-type: none"> 1. Those used to transfer heat in the refrigeration cycles. 2. Those used to transfer heat as secondary heat transfer liquids. 3. Lubricating oils used in the refrigeration cycle. 4. Those, including desiccants, used for absorption or adsorption of moisture or other contaminants in conjunction with the refrigeration system. 5. Those used to absorb or release heat in absorption systems. 6. Those used to clean or flush components of air conditioning and refrigeration systems. 7. Water treatment chemicals for air conditioning and refrigeration systems. <p>Equipment is limited to the following specific items:</p> <ol style="list-style-type: none"> 1. Containers used for the distribution, storage, or recovery of refrigerants, plus container accessories such as valves and pressure relief devices. 2. Equipment to recover and/or recycle chemical compounds addressed above. 3. Non-Condensable gas purge equipment for use with low pressure centrifugal liquid chillers as defined in AHRI Standard 580. <p>Refrigerant Reclaimers Subsection</p> <p>The subsection is open to companies who reclaim recovered refrigerants to the purity specifications outlined in the current version of AHRI Standard 700 (Specification for Fluorocarbon Refrigerants). Those can be companies that reclaim customer-owned refrigerants or that reclaim used refrigerant that will subsequently be sold to third parties. Specifically excluded are refrigerants synthesized from virgin materials and products included in the scope of other AHRI product sections.</p>

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10. Chilled Beams Section <i>Contact:</i> <i>Marc Neufcourt</i>	A chilled beam is a terminal unit positioned in, above, or under a ceiling which includes an element or coil that conditions air convectively using a natural (passive - cooling only) or induced (active - heating and/or cooling) air flow.
11. Commercial Industrial Forced Air-Heating Product Section <i>Contact:</i> <i>Dave Delaquila</i>	All appliances and associated components intended for commercial or industrial premises: (1) direct gas-fired heaters, and (2) indirect gas- and oil-fired heaters, and associated components.
12. Controls Product Section <i>Contact:</i> <i>Dave Delaquila</i>	<p>Component Controls Product Subsection</p> <p>Controllers and auxiliary control devices, which are primarily designed to aid in unattended operation, or safety in the operation of components of comfort conditioning equipment, commercial and industrial refrigeration equipment covered by the scopes of AHRI Product Sections. Such devices are to be responsive to, but not limited to, one or more of the following conditions: time, temperature, pressure, humidity, fluid flow, air quality (this includes all air contaminants including leaked refrigerants), current, voltage, or power.</p> <p>Specifically excluded are:</p> <ul style="list-style-type: none"> a) General purpose motor starters and circuit breakers, b) All low voltage thermostats. c) Component controllers and auxiliary controlling devices used in equipment not covered by scopes of AHRI sections, for example: <ul style="list-style-type: none"> • Automotive and recreational vehicles. • Domestic refrigerators and freezers. • Room air conditioners. <p>Controls for Gas-Fired Utilization Equipment Product Subsection</p> <p>Includes controls, including components, and accessories, for use on gas-fired utilization equipment (including, but not limited to, combination gas controls; manual gas valves; gas appliance pressure regulators; automatic gas valves; automatic gas ignition systems; flame sensors, monitors and programmers; gas filters and sediment traps; thermostatic system components; automatic flue and vent dampers; oxygen depletion sensing (ODS) devices, pressure sensors and switches; and line pressure regulators).</p>
13. Commercial Refrigerator Manufacturers Product Section <i>Contact:</i> <i>Maryline Rassi</i>	Refrigerated enclosures designed and used for commercial purposes in displaying, storing, or dispensing products. Equipment includes, but is not limited to, both open and closed type storage and display refrigerators, freezers, refrigerators/freezers, walk-in refrigerators and walk-in freezers. Specifically excluded are parts, components, or products included within the scope of other AHRI product sections.

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14. Compressors and Condensing Units Product Section <i>Contact:</i> <i>Justin Prosser</i>	<p>Positive displacement refrigerant compressors, compressor units, and condensing units, designed for use with any refrigerant, and not included in another product section scope, with the specific exclusion of:</p> <ol style="list-style-type: none"> 1. Condensing units, 135,000 BTUH and over, intended for air conditioning application. 2. Compressors, compressor units, and condensing units intended for use in: <ol style="list-style-type: none"> a. Household refrigerators. b. Farm and home freezers. c. Automotive air conditioners. d. Room air conditioners. e. Dehumidifiers.
15. Datacom Cooling Product Section <i>Contact:</i> <i>Richie Mohan</i>	<p>A Datacom Cooling Product is designed for the primary purpose of providing year-round cooling for facilities which are predominantly populated with servers, computers, networking equipment, electronic equipment, storage products and peripherals which may be mission critical:</p> <p>Can be one of several configurations that include one or more of the following attributes:</p> <ul style="list-style-type: none"> ▪ The primary efficiency rating is SCOP or iSenCOP not SEER or EER. ▪ SEER and EER are not applicable to these products. ▪ Optimized for net sensible cooling with a sensible heat ratio typically > 0.90, and rating accordingly in kW of cooling. ▪ Application and rating points differ from comfort cooling applications. ▪ Some equipment contains optional humidification systems installed within the cooling unit, and may also contain heat in order to offset over-cooling that may be caused by dehumidification operation. ▪ Equipment that is designed specifically for the application in a data centers. <p>Product configurations include:</p> <ul style="list-style-type: none"> ▪ Row based units that are either DX units including external condensers, cooling towers or drycooler heat rejection, or chilled water cooling units ▪ Perimeter units that are either DX units including external condensers, cooling towers or drycooler heat rejection, or chilled water cooling units ▪ Ceiling mounted units that are either DX units including external condensers, cooling towers or drycooler heat rejection, or chilled water cooling units ▪ Any of the above configurations may include “free cooling” economizers that utilize air, water, glycol or a refrigerant to provide cooling with the compressors off ▪ Specifically excluded are the products included in the scopes of other product sections of AHRI, room air conditioners and heat pumps. ▪ External units which are ducted to the data center, for example air handlers.
16. Dehumidifiers Product Section <i>Contact:</i> <i>Danny Abbate</i>	<p>Mechanical refrigeration systems designed with its primary purpose for removing moisture from the air with reheat recovered from the dehumidification process installed in the airstream.</p>
17. Direct Heating Product Section <i>Contact:</i> <i>Dave Delaquila</i>	<p>Gas-fired direct heating equipment, including vented room heaters, wall furnaces, direct vent wall furnaces, vented decorative appliances, sauna heaters, and floor furnaces.</p>

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<p>18. Ductless Equipment Product Section</p> <p><i>Contact: Umair Surani</i></p>	<p>Matched ductless-split air conditioner and ductless-split heat pump systems using distributed refrigerant technology with cooling and heating capacities for outdoor units from 5,000 BTUH to 300,000 BTUH and indoor units from 5,000 BTUH to 60,000 BTUH. Each indoor unit is designed to condition a single zone.</p> <p>Ductless-Split Systems consist of the following matched components: a) an outdoor unit with single or multiple compressors or variable capacity compressor or with a variable speed drive; b) indoor unit(s) that have a coil, air movement device intended for single zone air distribution, and a temperature sensing control; and c) a zone temperature control device.</p> <p>There are five classes of ductless-split systems:</p> <ol style="list-style-type: none"> 1. Ductless One-to-One Split Systems 2. Space Constrained Ductless-Split Systems 3. Ductless Multi-Split Systems 4. Variable Refrigerant Flow (VRF) Ductless Split Systems 5. Heat Recovery Multi-Split Systems <p>Included are ductless-split matched system air conditioners and heat pumps irrespective of their type of power source or type of refrigeration cycle.</p> <p>Specifically excluded are products included in the scopes of other product sections of AHRI and room air conditioners and heat pumps.</p>
<p>19. Flexible Metallic Gas Piping System Section</p> <p><i>Contact: Danny Abbate</i></p>	<p>Factory-designed and prefabricated products used as part of a building's gas distribution system or to connect gas fired appliances and equipment to the building's distribution system. These products include corrugated stainless steel tubing (CSST) systems listed in compliance with ANSI LC 1, Fuel Gas Piping Systems using Corrugated Stainless Steel Tubing; gas appliance connectors and quick-disconnect devices. Specifically excluded are products included in the scope of other AHRI product sections.</p>
<p>20. Flow and Contaminant Control Product Section</p> <p><i>Contact: Helen Davis</i></p>	<p>Solenoid valves 2-, 3-, 4- way reversing valves; thermostatic, electronic, and automatic expansion valves of all capacities; temperature and pressure regulating valves, which function alone, or in combination with other controls or sources, that are designed primarily for the purpose of automatically controlling refrigerant flow (liquids or gases) or the flow of fluids supporting the refrigerant cycle in refrigeration or air conditioning systems.</p> <p>All manually operated valves used to control flow of refrigerant or flow of fluids supporting the refrigerant cycle.</p> <p>Sealed filter driers having solid core desiccant, loose fill desiccant, or a combination of the two: replaceable core filter driers for use in liquid or vapor refrigerant lines; sealed or replaceable element suction filters; cores or elements for shells; receiver driers; strainers; and liquid or moisture liquid indicators; These products alone or in combination are intended for use primarily in refrigeration or air conditioning systems for the purpose of detecting and/or removing system contaminants.</p> <p>Excluded from all of the above are devices used with:</p> <ol style="list-style-type: none"> 1. Automotive and/or recreational vehicle air conditioning. 2. Domestic refrigerators/freezers. 3. Individual room air conditioners not included in the scopes of other AHRI air conditioning products sections.

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21. Fluid Pumps Section <i>Contact:</i> <i>Laura Petrillo</i>	All Roto-dynamic centrifugal Pumps/Circulators used for circulation of fluids in residential and commercial building systems primarily used in the following applications: <ol style="list-style-type: none"> 1. Closed Loop Heating and cooling systems (primary, secondary and boiler “shunt” pumps) 2. Domestic Hot Water Recirculation 3. Pressure boosting applications 4. Steam systems (boiler feed and condensate return) 5. Cooling Towers (open and closed) 6. Geothermal and Solar Systems
22. Furnaces Product Section <i>Contact:</i> <i>Anuj Mistry</i>	To support the objectives of the Association and advance the common interests of the members of the Section by engaging in lawful trade association activities with respect to gas-fired and oil-fired forced-air central furnaces and fuel gas heat pumps.
23. Gas Detection and Analysis Product Section <i>Contact:</i> <i>Anuj Mistry</i>	Sensors and associated devices used in residential, commercial, and industrial applications for any of the following purposes: detection of fuel gases, detection of products of fuel combustion, and analysis of products of fuel combustion.
24. Geothermal and Water-Source Heat Pump Section <i>Contact:</i> <i>Rupert Alfiler</i>	<p>Direct Geo Exchange Systems Product Subsection</p> <p>Direct geexchange heat pumps use refrigerant circulating through a subsurface piping loop placed in horizontal trenches, vertical bores, or submerged in a body of surface</p> <p>Direct geexchange heat pumps normally consist of factory-made assemblies that include indoor space conditioning and/or domestic water heating heat exchanger(s), compressor(s), and a field-installed ground-side heat exchanger.</p> <p>There are two classes of direct geexchange heat pumps:</p> <ol style="list-style-type: none"> 1. Refrigerant-to-air heat pumps 2. Refrigerant-to-water heat pumps <p>Water-Source Heat Pump Subsection</p> <p>Water-source heat pumps use circulating liquid (with those that utilize ground or groundwater classified as geothermal heat pumps) to provide space conditioning and/or domestic water heating designed for use in the following applications:</p> <ol style="list-style-type: none"> 1. Water-loop heat pumps 2. Ground-water geothermal heat pumps 3. Ground-loop geothermal heat pumps <p>Water-source heat pumps normally consist of one or more factory-made assemblies that include indoor space conditioning and/or domestic water heating heat exchanger(s), compressor(s), and a liquid-side heat exchanger.</p> <p>There are two classes of water-source heat pumps:</p> <ol style="list-style-type: none"> 1. Water-to-air heat pumps 2. Water-to-water heat pumps

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25. Heat Pump Pool and Spa Heaters Product Section <i>Contact:</i> <i>Maryline Rassi</i>	<p>Factory-made assembly containing the air moving device, compressor, and refrigerant-to-water heat exchanger using ambient air as the heat source</p> <p>Heat Pump Pool and Spa Heaters shall provide function of heating pool/spa water with controlled temperature, but may include the functions of water cooling.</p>
26. Humidifiers Product Section <i>Contact:</i> <i>Laura Petrillo</i>	<p>Devices designed to add moisture to the air, including:</p> <ol style="list-style-type: none"> 1. Central humidifiers, designed to add moisture to air circulated through ducts. 2. Central system humidifiers, designed to add moisture directly into a room or duct system but dependent upon associated outside generating source such as: <ol style="list-style-type: none"> a. Steam grid duct. b. Steam room humidifiers. c. Pneumatic atomizing. 3. Fixed humidifiers, designed to add moisture directly to the space where the humidifier is located, excluding portable. 4. Self contained humidifiers, designed to add moisture directly into a room or duct system independent of associated outside generating source such as: <ol style="list-style-type: none"> a. Electrode steam generators. b. Electric evaporative. c. Centrifugal atomizing. <p>The scope does not apply to air washers, sprayed coils, and evaporative coolers.</p>
27. Hydronics Institute Product Section <i>Contact:</i> <i>Dave Delaquila</i>	<p>To support the objectives of the Association and advance the common interests of the members of the Section by engaging in lawful trade association activities with respect to oil, gas, electric and solid fuel boilers which conform to the ASME Boiler and Pressure Vessel Code; radiation used in connection with hydronic heating, including radiant pipe distribution systems; and oil burners and components, oil primary relays, automatic vent damper and flue damper devices used on boilers, hydronic controls, low water cutoffs, boiler sections, boiler jackets, circulators, hydronic distribution stations, gauges, heat exchangers, pumps, sheet metal parts, tanks, tankless coils, fluid valves, steam and hot water unit heaters, cabinet unit heaters, and boiler powered water heaters.</p> <p>Indirect Water Heaters Subsection <i>Contact: Aykut Yilmaz</i></p> <p>Water heating appliances which include a heat exchanger used to transfer heat to potable water from hot water or steam provided by an external source (usually a boiler).</p>

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<p>28. Industrial Refrigeration & Heat Transfer Product Section</p> <p><i>Contact:</i> <i>Richie Mohan</i></p>	<p>Heat transfer devices of the type generally used in mechanical refrigeration as outlined in the following subsection scopes.</p> <p>Air-Cooled and Evaporative Condensers Subsection Air-cooled refrigerant condensers, remote type, which consists of a condensing coil, a means for air circulation (including drive if furnished), frame and enclosure.</p> <p>Evaporative condensers which consist of a condensing coil, spray system and pump (if furnished), a means for air circulation (including drive if furnished), frame and enclosure.</p> <p>Liquid-to-Liquid Heat Exchangers Subsection Heat transfer devices used to exchange heat between two fluid streams that are single phase liquids:</p> <ol style="list-style-type: none"> 1. Plate-type heat exchangers. 2. Shell-and-tube heat exchangers, shell-and-U-tube heat exchangers and shell-and-coil-heat exchangers. 3. Tube-in-tube heat exchangers. <p>Liquid-to-Refrigerant Heat Exchangers and Liquid Receivers Subsection</p> <ol style="list-style-type: none"> 1. Shell-and-tube, shell-and-U-tube, tube-in-tube, and shell-and-coil condensers. 2. Shell-and-tube, shell-and-U-tube, tube-in-tube, and shell-and-coil liquid coolers. 3. Liquid suction heat exchangers. 4. Liquid receivers. 5. Plate-type heat exchangers. <p>Unit Coolers Subsection Factory-made, forced-circulation, free-delivery unit coolers, operating with a volatile refrigerant fed by either direct expansion or liquid overfeed at wet and/or dry conditions.</p>
<p>29. Infrared Product Section</p> <p><i>Contact:</i> <i>Anuj Mistry</i></p>	<p>To support the objectives of the Association and advance the common interests of the members of the Section by engaging in lawful trade association activities with respect to gas infrared heaters for outdoor use and non-residential indoor use (excluding industrial process burners).</p>
<p>30. Liquid Chillers Product Section</p> <p><i>Contact:</i> <i>Rupal Choksi</i></p>	<p>This section applies to factory-designed and prefabricated vapor compression refrigeration water chilling packages including one or more hermetic or open drive compressors (i.e., centrifugal, rotary, screw, scroll, reciprocating, or other types), equipped with either water-cooled, air-cooled, evaporative-cooled condensers or supplied without a condenser. This section also covers water chilling packages with air or water cooled heat reclaim condensers.</p>
<p>31. Mobile Refrigeration Product Section</p> <p><i>Contact:</i> <i>Sunil Nanjundaram</i></p>	<p>All types of mechanical refrigeration systems designed for installation in:</p> <ol style="list-style-type: none"> 1. Railway freight cars. 2. Trucks and trailers. 3. U.S. Domestic (dismountable truck body) containers over 64 square feet floor area.

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32. Thermal Storage Equipment Product Section <i>Contact: Richie Mohan</i>	<p>Cooling equipment, refrigerant-coupled heating equipment, or major components thereof, for use in a building, central plant, or process, equipment having the means for storing or removing thermal energy with a purpose of heating or cooling.</p> <p>Excluded are:</p> <ol style="list-style-type: none"> 1. Desuper-heater/water heaters. 2. Air conditioning and heat pump equipment incorporating potable water heating devices as defined in the scope of AHRI Standard 290-97. 3. Portable coolers of less than 65,000 BTUH with storage capabilities. 4. Products covered and reported within the scope of other AHRI sections.
33. Unitary Large Equipment Product Section <i>Contact: Jim Walters</i>	<ol style="list-style-type: none"> 1. One piece or matched split system air conditioners and air-source heat pumps with cooling capacities greater than 65,000 BTUH. 2. Condensing units for air conditioning applications with cooling capacities of greater than 65,000 BTUH. 3. Evaporator coils with or without blowers intended for use as a part of a matched split system. <p>Included are air conditioners, air source heat pumps, condensing units, and coils, irrespective of their type of power source or type of refrigeration cycle.</p> <p>Specifically excluded are products included in the scope of other AHRI product sections.</p>
34. Unitary Small Equipment Product Section <i>Contact: Jim Walters</i>	<ol style="list-style-type: none"> 1. One piece or matched split system air conditioners and air-source heat pumps with cooling capacities less than 65,000 BTU, ducted or non-ducted. 2. Central forced air electric furnaces with or without cooling coils. 3. Condensing units for air conditioning applications with cooling capacities less than 65,000 BTU. 4. Evaporator coils with or without blowers intended for use as a part of a matched split system. <p>Included are air conditioners, air source heat pumps, condensing units, and coils, irrespective of their type of power source or type of refrigeration cycle.</p> <p>Specifically excluded are products included in the scopes of other product sections of AHRI and room air conditioners and heat pumps.</p>
35. Variable Frequency Drives Product Section <i>Contact: Rupal Choksi</i>	<p>All low voltage, 690 volts ac and below, adjustable frequency motor controllers used in HVACR applications shall be included. Specifically excluded brushless DC motor controllers and external control automation.</p>
36. Vent-Free Gas Products Product Section <i>Contact: Dave Delaquila</i>	<p>Includes residential vent-free gas-fired heating products and related components and accessories.</p>
37. Venting Products Product Section <i>Contact: Anuj Mistry</i>	<p>Venting systems and related equipment used for the venting of gas and oil burning appliances (including metallic and plastic gas venting products, and metallic chimney liners).</p>

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38. Water Heater Products Section <i>Contact:</i> <i>Marc Neufcourt</i>	<p>Water heating appliances (includes gas, oil, and electric storage and instantaneous water heaters, swimming pool heaters (not including heat pump pool heaters), and heaters used in conjunction with solar water heating systems) and relief valves.</p> <p>Tankless Water Heater Subsection</p> <p>The purpose of the Tankless Water Heater Group is to support the objectives of the Association and advance the common interests of the members of the Group by engaging in lawful trade association activities with respect to tankless, instantaneous water heaters.</p>
39. Zone Control System Technology Product Section <i>Contact:</i> <i>Eric Chen</i>	<p>Zone control systems are defined as in-line duct dampers and controllers for the purpose of multiple zone control with single zone unitary HVA equipment.</p>