

MIMOSA Segment Types

Segment Type Definition

Types of production processes, production process inputs and outputs, physical structures, systems, mechanical devices, and mechanical device areas which perform a service function.

Segment types are categorized under the following categories:

- Production Processes*
- Production Process Inputs/Output*
- Physical Structures*
- Systems*
- Mechanical Devices*
- Mechanical Device Areas*

Asset Type Definition

Types of specific instances of production process inputs and outputs, physical structures, systems, mechanical devices, and mechanical device areas which could be serialized and tracked.

Asset types are categorized under the following categories:

- Production Process Inputs/Output*
- Physical Structures*
- Systems*
- Mechanical Devices*
- Mechanical Device Areas*

Production Processes Segment Types

Manufacturing processes which convert one or more inputs into one or more outputs

Production Process Input/Output Segment Types

The inputs or outputs of a manufacturing process

Physical Structure Segment Types

Man-made or natural physical structures which are relevant to a plant or facility

System Segment Types

A collection of mechanical devices

Mechanical Device Segment Types

Machines, vessels, mechanical components, or parts which perform a function

Mechanical Device Area Segment Types

Areas related to a mechanical device

Cement Plant Example

(* = represents a group of segments of the same type)

Smith Cement, Loctite CO (Facility)

Co-gen Unit #1 (Electrical Power Production)

Co-gen Unit #2 (Electrical Power Production)

Loctite Cement Production (Cement Production)

West Mine (Mine)

Primary Crushing System (Crusher System)

Secondary Crushing System (Crusher System)

Crusher Train (Machine Train)

Motor (Motor, AC)

Shaft A (Shaft)

Coupling (Coupling, Rigid)

Gyro. Crusher (Crusher, Gyratory)

Bottom Shaft B (Shaft)

CRSB001 Bottom Shaft Bearing Housing (Bearing Housing)

CRSB001 Bottom Shaft Bearing (Bearing, Anti-friction)

Building A (Building)

Raw Mill (Mill System)

Motor (Motor, AC)

Gear (Gearset, Enclosed)

Mill (Mill, Ball)

Raw Mill Fan (Fan System)

Motor (Motor, AC)

Shaft A (Shaft)

MTRA001 Outboard Bearing Housing (Bearing Housing)

MTRA001 Outboard Bearing (Bearing, Anti-friction)

MTRA002 Inboard Bearing Housing (Bearing Housing)

MTRA002 Inboard Bearing (Bearing, Anti-friction)

Coupling (Coupling, Rigid)

Fan (Fan, Centrifugal, Unknown)

Shaft B (Shaft) *** Note: this is the same segment as referenced in the Motor above

FANB003 Inboard Bearing Housing (Bearing Housing)

FANB003 Inboard Bearing (Bearing, Anti-friction)

FANB004 Outboard Bearing Housing (Bearing Housing)

FANB004 Outboard Bearing (Bearing, Anti-friction)

Pulley (Belt (Pulley))

AC Power System (Electrical System)

North Plant Area (Facility Section)

Kiln A (Kiln System)

Ring Gear (Gearset, Open)

Primary Drive Motor (Motor, DC)

Power Supply (Power Supply, DC)

Emergency Drive Motor (Motor, DC)

Riding Rings (Tire, Kiln *)

Trunions (Trunion, Kiln *)

Kiln (Kiln, Rotary)

North Plant Coal Handling (Fuel Handling System)

Conveyor (Conveyor System)

Drive Motor (Motor, AC)

Pulleys (Belt (Pulley) *)

Conveyor (Conveyor)

Finishing Plant (Facility Section)

Finish Mill #1 (Mill System)

Mill (Mill, Rod)

Motor, Drive (Motor, AC)

Gear Set (Gear Set, Enclosed)

Combined Cycle Cogen Plant Example (*= represents a group of segments of the same type)

- Syracuse Combined Cycle Cogen (Facility)
 - Steam Turbine Side (Steam Production)
 - Gas Turbine Side (Electrical Power Production)
 - Heavy Frame Industrial Gas Turbine Set (Turbine Generator Set)
 - Combustion Gas Turbine (Turbine, Gas, Combined Cycle)
 - Fuel Forwarding System (Fuel Transport System)
 - Protection System (Protection System)
 - Silencing System (Silencing System)
 - Exhaust System (Exhaust System)
 - Controls System (Process Control System)
 - Lube Oil System (Lube Oil System)
 - Lube Oil Tank (Tank, Lube Oil)
 - DC Lube Oil Pump (Pump System)
 - AC Lube Oil Pump (Pump System)
 - AC Backup Lube Oil Pump (Pump System)
 - Motor (Motor, AC Induction)
 - Coupling (Coupling, Flexible, Torsion)
 - Pump (Pump, Centrifugal)
 - Controller (Controller, Thermal Overload, Fused)
 - Compressor Section (Compressor Section)
 - Combustor Section (Combustor Section)
 - Power Turbine Section (Power Turbine Section)
 - Turbine Section (Turbine Section)
 - Stages 1-4 (Stage *)
 - Stage 4 (Stage)
 - Diaphragms (Diaphragm (Rotor Disk) *)
 - Location D-1 Diaphragm (Diaphragm (Rotor Disk))
 - Buckets (Blade (Bucket), Turbine *)
 - Nozzles (Nozzle (Vane), Turbine *)
 - Location N-1 Nozzle (Nozzle (Vane), Turbine)
 - Shaft A (Shaft)
 - TRBA001 Bearing Housing (Bearing Housing)
 - TRBA001 Thrust Bearing (Bearing, Journal, Unknown)
 - TRBA001 Bearing (Bearing, Journal, Unknown)
 - TRBA002 Bearing Housing (Bearing Housing)
 - TRBA002 Bearing (Bearing, Journal, Unknown)
 - Coupling (Coupling, Flexible, Torsion)
 - Shaft A (Shaft)
 - Shaft B (Shaft)
 - Generator (Generator)
 - Shaft B (Shaft)
 - GENB003 Bearing Housing (Bearing Housing)
 - GENB003 Bearing (Bearing, Journal, Unknown)
 - GENB004 Bearing Housing (Bearing Housing)
 - GENB004 Bearing (Bearing, Journal, Unknown)
 - Generation Switchgear (Power Distribution, DC System)
 - GSU Transformer (Transformer, Unknown)
 - Breakers (Breaker *)
 - Lightening arrestors (Lightening Arrestor *)
 - AC Power Distribution (Power Distribution, AC System)
 - Motor Control Center (Motor Control Center)
 - Diesel Generation System (Electrical Power Production)
 - Recip. Engines (Engine, Reciprocating, Diesel *)
 - Primary Recip. #1 (Engine, Reciprocating, Diesel)

Secondary Recip. #2 (Engine, Reciprocating, Diesel)
DC Power Distribution (Power Distribution, DC System)
Motor Control Center (Motor Control Center)
Batteries (Battery *)
Station Protection (Fire Protection System)
Fire Pump #1 (Fire Pump System)
Fire Pump #2 (Fire Pump System)

Subset of MIMOSA Reference Data Library

(Asset Type Entries Are Identical Minus the Production Processes)

- Service Segment (0.0.0.974)
 - Mechanical Device (0.0.0.972)
 - Accumulator (0.0.0.849)
 - Accumulator, Bladder (0.0.0.847)
 - Accumulator, Gas-filled (0.0.0.848)
 - Armature (0.0.0.357)
 - Arrestor (0.0.0.834)
 - Arrestor, Lightening (0.0.0.491)
 - Bag House (0.0.0.358)
 - Battery (0.0.0.359)
 - Bearing (0.0.0.374)
 - Bearing, Anti-friction (0.0.0.360)
 - Bearing, Anti-friction, Ball (0.0.0.812)
 - Bearing, Anti-friction, Ball, Angular Contact (0.0.0.821)
 - Bearing, Anti-friction, Ball, Angular Contact, Double Row (0.0.0.809)
 - Bearing, Anti-friction, Ball, Angular Contact, Single Row (0.0.0.808)
 - Bearing, Anti-friction, Ball, Deep-groove (Radial Contact) (0.0.0.820)
 - Bearing, Anti-friction, Ball, Deep-groove (Radial Contact), Double Row (0.0.0.807)
 - Bearing, Anti-friction, Ball, Deep-groove (Radial Contact), Single Row (0.0.0.806)
 - Bearing, Anti-friction, Ball, Self-aligning (0.0.0.810)
 - Bearing, Anti-friction, Ball, Thrust (0.0.0.811)
 - Bearing, Anti-friction, Roller (0.0.0.819)
 - Bearing, Anti-friction, Roller, Cylindrical (0.0.0.822)
 - Bearing, Anti-friction, Roller, Cylindrical, Double Row (0.0.0.814)
 - Bearing, Anti-friction, Roller, Cylindrical, Single Row (0.0.0.813)
 - Bearing, Anti-friction, Roller, Needle (0.0.0.815)
 - Bearing, Anti-friction, Roller, Spherical (0.0.0.816)
 - Bearing, Anti-friction, Roller, Taper (0.0.0.817)
 - Bearing, Anti-friction, Roller, Taper, Double Row (0.0.0.824)
 - Bearing, Anti-friction, Roller, Taper, Single Row (0.0.0.823)
 - Bearing, Anti-friction, Roller, Thrust (0.0.0.818)
 - Bearing, Bushing (0.0.0.361)
 - Bearing, Journal (0.0.0.367)
 - Bearing, Journal, Elliptical (0.0.0.363)
 - Bearing, Journal, Plain (0.0.0.365)
 - Bearing, Journal, Pressure Dam (0.0.0.366)
 - Bearing, Magnetic (0.0.0.368)
 - Bearing, Thrust (0.0.0.825)
 - Bearing, Tilt Pad (0.0.0.373)
 - Bearing, Tilt Pad, Journal (0.0.0.370)
 - Bearing, Tilt Pad, Thrust (0.0.0.372)
 - Blade, Fan (0.0.0.376)
 - Blade/Bucket, Turbine (0.0.0.377)
 - Boiler (0.0.0.853)
 - Boiler, Cast Iron (0.0.0.850)
 - Boiler, Fire Tube (0.0.0.392)
 - Boiler, Fire Tube, Economy (0.0.0.381)
 - Boiler, Fire Tube, Firebox (0.0.0.382)
 - Boiler, Fire Tube, Flueless (0.0.0.383)
 - Boiler, Fire Tube, Horizontal Return Tube (HRT) (0.0.0.851)
 - Boiler, Fire Tube, Scotch Marine (0.0.0.390)
 - Boiler, Fire Tube, Vertical Tube (0.0.0.393)
 - Boiler, Fire Tube, Waste Heat (0.0.0.394)
 - Boiler, Heat Transfer (0.0.0.401)
 - Boiler, Heat Transfer, Non-Oil (0.0.0.852)
 - Boiler, Heat Transfer, Oil (0.0.0.398)
 - Boiler, Heat Transfer, Oil, Dowtherm (0.0.0.397)
 - Boiler, Heat Transfer, Oil, Therminol (0.0.0.400)
 - Boiler, Water Tube (0.0.0.403)
 - Boiler, Water Tube, Chemical Recovery (0.0.0.395)
 - Boiler, Water Tube, Coil (0.0.0.396)
 - Boiler, Water Tube, Field Erected (0.0.0.859)
 - Boiler, Water Tube, Field Erected, Subcritical (0.0.0.856)
 - Boiler, Water Tube, Field Erected, Subcritical, Stoker Fired (0.0.0.854)
 - Boiler, Water Tube, Field Erected, Subcritical, Suspension Fired (0.0.0.855)
 - Boiler, Water Tube, Field Erected, Subcritical, Waste to Energy (0.0.0.857)

- Boiler, Water Tube, Field Erected, Supercritical (0.0.0.858)
- Boiler, Water Tube, Fluidized Bed (0.0.0.693)
 - Boiler, Water Tube, Fluidized Bed, Bubbling (0.0.0.690)
 - Boiler, Water Tube, Fluidized Bed, Circulating (0.0.0.691)
 - Boiler, Water Tube, Fluidized Bed, Pressurized (0.0.0.692)
- Boiler, Water Tube, HRSG (0.0.0.696)
 - Boiler, Water Tube, HRSG, Duct Firing (0.0.0.694)
 - Boiler, Water Tube, HRSG, Non-Duct Firing (0.0.0.695)
- Boiler, Water Tube, Packaged Boiler (0.0.0.700)
 - Boiler, Water Tube, Packaged Boiler, A Type (0.0.0.697)
 - Boiler, Water Tube, Packaged Boiler, D Type (0.0.0.698)
 - Boiler, Water Tube, Packaged Boiler, FM Type (0.0.0.699)
- Boiler, Water Tube, Waste Heat (0.0.0.404)
- Bolt (0.0.0.405)
- Broadcasting Apparatus (0.0.0.701)
- Burner (0.0.0.407)
- Bushing (0.0.0.1002)
- Calendar (0.0.0.409)
- Centrifuge/Extractor/Separator (0.0.0.410)
- Chipper (0.0.0.411)
- Clutch (0.0.0.412)
- Compressor (0.0.0.421)
 - Compressor, Axial (0.0.0.829)
 - Compressor, Axial, Multi-stage (0.0.0.413)
 - Compressor, Axial, Single-stage (0.0.0.414)
 - Compressor, Centrifugal (0.0.0.415)
 - Compressor, Gear (0.0.0.416)
 - Compressor, Reciprocating (0.0.0.418)
 - Compressor, Rotary (0.0.0.419)
 - Compressor, Screw (0.0.0.420)
 - Compressor, Scroll (0.0.0.703)
- Control Center (0.0.0.835)
 - Control Center, Motor (0.0.0.507)
- Controller (0.0.0.830)
 - Controller, Instantaneous Overload (0.0.0.427)
 - Controller, Instantaneous Overload, Breakered (0.0.0.423)
 - Controller, Instantaneous Overload, Fused (0.0.0.424)
 - Controller, Instantaneous Overload, Relayed (0.0.0.426)
 - Controller, Thermal Overload (0.0.0.432)
 - Controller, Thermal Overload, Breakered (0.0.0.428)
 - Controller, Thermal Overload, Fused (0.0.0.429)
 - Controller, Thermal Overload, Relayed (0.0.0.431)
- Converter (0.0.0.831)
 - Converter, Catalytic (0.0.0.910)
 - Converter, Frequency (0.0.0.704)
- Conveyor (0.0.0.433)
- Coupling (0.0.0.445)
 - Coupling, Belt Drive (0.0.0.434)
 - Coupling, Chain Drive (0.0.0.435)
 - Coupling, Flexible (0.0.0.443)
 - Coupling, Flexible, Diaphragm (0.0.0.436)
 - Coupling, Flexible, Flex Disc (0.0.0.437)
 - Coupling, Flexible, Gear (0.0.0.438)
 - Coupling, Flexible, Grid (0.0.0.439)
 - Coupling, Flexible, Rubber (0.0.0.441)
 - Coupling, Flexible, Torsion (0.0.0.442)
 - Coupling, Rigid (0.0.0.444)
- Crusher/Grinder (0.0.0.448)
 - Crusher/Grinder, Gyratory (0.0.0.446)
- Cyclone (0.0.0.449)
- Debarker (0.0.0.450)
- Defibrator (0.0.0.451)
- Demineralizer (0.0.0.452)
- Diaphragm/Rotor Disk (0.0.0.453)
- Dryer (0.0.0.705)
- Duct (0.0.0.455)
- Dynamometer (0.0.0.706)
- Dynamotor (0.0.0.707)
- Economizer (0.0.0.911)
- Electrical Apparatus (0.0.0.456)
 - Electrical Apparatus, Cable (0.0.0.408)
 - Electrical Apparatus, Circuit Breaker (0.0.0.406)
 - Electrical Apparatus, Distribution Panel (0.0.0.708)
 - Electrical Apparatus, Instrument Transformer (0.0.0.709)
 - Electrical Apparatus, Load Center (0.0.0.710)

- Electrical Apparatus, Main Disconnect Cabinet (0.0.0.711)
- Electrical Apparatus, Rectifier (0.0.0.712)
- Electrical Apparatus, Wire (0.0.0.713)
- Engine (0.0.0.833)
 - Engine, Reciprocating (0.0.0.465)
 - Engine, Reciprocating, Diesel (0.0.0.459)
 - Engine, Reciprocating, Gasoline (0.0.0.460)
 - Engine, Reciprocating, Multi-fuel (0.0.0.461)
 - Engine, Reciprocating, Natural Gas (0.0.0.462)
 - Engine, Reciprocating, Steam (0.0.0.464)
 - Engine, Rotary (0.0.0.466)
- Evaporator (0.0.0.467)
- Exciter (0.0.0.468)
- Extruder (0.0.0.716)
- Fan/Blower (0.0.0.476)
 - Fan/Blower, Axial (0.0.0.717)
 - Fan/Blower, Axial, Multi-stage (0.0.0.469)
 - Fan/Blower, Axial, Single-stage (0.0.0.470)
 - Fan/Blower, Centrifugal (0.0.0.474)
 - Fan/Blower, Centrifugal, Air-solid (0.0.0.471)
 - Fan/Blower, Centrifugal, Overhung (0.0.0.472)
 - Fan/Blower, Centrifugal, Squirrel-cage (0.0.0.473)
- Flywheel (0.0.0.477)
- Fuel Cell (0.0.0.652)
- Furnace (0.0.0.732)
 - Furnace, Heat Treatment (0.0.0.730)
 - Furnace, Heat Treatment, Batch (0.0.0.721)
 - Furnace, Heat Treatment, Batch, Bell (0.0.0.719)
 - Furnace, Heat Treatment, Batch, Car-bottom (0.0.0.720)
 - Furnace, Heat Treatment, Batch, Pit (0.0.0.718)
 - Furnace, Heat Treatment, Continuous (0.0.0.729)
 - Furnace, Heat Treatment, Continuous, Cast Belt (0.0.0.722)
 - Furnace, Heat Treatment, Continuous, Mesh Belt (0.0.0.723)
 - Furnace, Heat Treatment, Continuous, Pusher (0.0.0.724)
 - Furnace, Heat Treatment, Continuous, Roller Hearth (0.0.0.725)
 - Furnace, Heat Treatment, Continuous, Rotary Hearth (0.0.0.726)
 - Furnace, Heat Treatment, Continuous, Rotary Retort (0.0.0.727)
 - Furnace, Heat Treatment, Continuous, Shaker Hearth (0.0.0.728)
 - Furnace, Heat Treatment, Vacuum (0.0.0.731)
- Gearset/Gearbox (0.0.0.481)
 - Gearset/Gearbox, Enclosed (0.0.0.478)
 - Gearset/Gearbox, Open (0.0.0.479)
- Generator (0.0.0.484)
 - Generator, AC (0.0.0.482)
 - Generator, DC (0.0.0.483)
- Guard (0.0.0.998)
- Heat Exchanger (0.0.0.980)
 - Heat Exchanger, Condensor (Gas to Liquid State Change) (0.0.0.422)
 - Heat Exchanger, Condensor, Air-cooled (Gas to Liquid State Change) (0.0.0.912)
 - Heat Exchanger, Condensor, Evaporative (Gas to Liquid State Change) (0.0.0.913)
 - Heat Exchanger, Condensor, Water-cooled (Gas to Liquid State Change) (0.0.0.914)
 - Heat Exchanger, Condensor, Water-cooled, Plate (Gas to Liquid State Change) (0.0.0.916)
 - Heat Exchanger, Condensor, Water-cooled, Shell and Tube (Gas to Liquid State Change) (0.0.0.915)
 - Heat Exchanger, Evaporator (Liquid to Gas State Change) (0.0.0.917)
 - Heat Exchanger, Evaporator, Direct Expansion (Liquid to Gas State Change) (0.0.0.918)
 - Heat Exchanger, Evaporator, Direct Expansion, Finned (Liquid to Gas State Change) (0.0.0.919)
 - Heat Exchanger, Evaporator, Direct Expansion, Finned, Ammonia (Liquid to Gas State Change) (0.0.0.920)
 - Heat Exchanger, Evaporator, Direct Expansion, Finned, Fluoro-carbon (Liquid to Gas State Change) (0.0.0.921)
 - Heat Exchanger, Evaporator, Direct Expansion, Plate (Liquid to Gas State Change) (0.0.0.922)
 - Heat Exchanger, Evaporator, Direct Expansion, Plate, Ammonia (Liquid to Gas State Change) (0.0.0.923)
 - Heat Exchanger, Evaporator, Direct Expansion, Plate, Fluoro-carbon (Liquid to Gas State Change) (0.0.0.924)
 - Heat Exchanger, Evaporator, Direct Expansion, Shell and Tube (Liquid to Gas State Change) (0.0.0.925)

- Heat Exchanger, Evaporator, Direct Expansion, Shell and Tube, Ammonia (Liquid to Gas State Change) (0.0.0.926)
- Heat Exchanger, Evaporator, Direct Expansion, Shell and Tube, Fluoro-carbon (Liquid to Gas State Change) (0.0.0.927)
- Heat Exchanger, Evaporator, Flooded (Liquid to Gas State Change) (0.0.0.928)
- Heat Exchanger, Evaporator, Flooded, Shell and Tube (Liquid to Gas State Change) (0.0.0.929)
- Heat Exchanger, Evaporator, Flooded, Shell and Tube, Ammonia (Liquid to Gas State Change) (0.0.0.930)
- Heat Exchanger, Evaporator, Flooded, Shell and Tube, Fluoro-carbon (Liquid to Gas State Change) (0.0.0.931)
- Heat Exchanger, Gas to Gas Heating/Cooling (0.0.0.981)
- Heat Exchanger, Gas to Gas Heating/Cooling, Finned (0.0.0.932)
- Heat Exchanger, Gas to Gas Heating/Cooling, Heat Pipe (0.0.0.933)
- Heat Exchanger, Gas to Gas Heating/Cooling, Wheel (0.0.0.934)
- Heat Exchanger, Gas to Gas Heating/Cooling, Wheel, Dessicant (0.0.0.935)
- Heat Exchanger, Gas to Gas Heating/Cooling, Wheel, Plain (0.0.0.936)
- Heat Exchanger, Liquid to Liquid Heating/Cooling (0.0.0.937)
- Heat Recovery Steam Generator (0.0.0.938)
- Hydrapulper (0.0.0.733)
- Impeller (0.0.0.486)
- Incinerator (0.0.0.734)
- Injection Molder (0.0.0.487)
- Kiln (0.0.0.490)
 - Kiln, Rotary/Tumbler (0.0.0.489)
- Machine Tool (0.0.0.497)
 - Machine Tool, Brake (0.0.0.993)
 - Machine Tool, Chucker (0.0.0.492)
 - Machine Tool, Clamp (0.0.0.986)
 - Machine Tool, Compensator (0.0.0.995)
 - Machine Tool, Cutter (0.0.0.996)
 - Machine Tool, Drawbar (0.0.0.997)
 - Machine Tool, Drill (0.0.0.493)
 - Machine Tool, Grind Wheel (0.0.0.988)
 - Machine Tool, Headstock (0.0.0.989)
 - Machine Tool, Idler (0.0.0.999)
 - Machine Tool, Indexing Table (0.0.0.992)
 - Machine Tool, Jackshaft (0.0.0.1003)
 - Machine Tool, Lathe (0.0.0.494)
 - Machine Tool, Mill (0.0.0.495)
 - Machine Tool, Quill (0.0.0.1000)
 - Machine Tool, Spindle (0.0.0.991)
 - Machine Tool, Spline (0.0.0.1001)
 - Machine Tool, Tailstock (0.0.0.987)
 - Machine Tool, Wheel Head (0.0.0.1004)
 - Machine Tool, Work Head (0.0.0.1005)
- Mill (0.0.0.505)
 - Mill, Autogenous (0.0.0.498)
 - Mill, Ball (0.0.0.499)
 - Mill, Ball and Race (Pulverizer) (0.0.0.500)
 - Mill, Bowl (Pulverizer) (0.0.0.501)
 - Mill, Hammer (0.0.0.502)
 - Mill, Rod (0.0.0.504)
- Mixer (0.0.0.506)
- Motor (0.0.0.512)
 - Motor, AC (0.0.0.508)
 - Motor, AC, Induction (0.0.0.737)
 - Motor, AC, Induction, Squirrel Cage Polyphase (0.0.0.735)
 - Motor, AC, Induction, Wound Rotor (0.0.0.736)
 - Motor, AC, Synchronous (0.0.0.738)
 - Motor, DC (0.0.0.509)
 - Motor, DC, Conventional (0.0.0.739)
 - Motor, DC, Gearhead (0.0.0.740)
 - Motor, Linear (0.0.0.510)
- Nozzle/Vane, Turbine (0.0.0.513)
- Oven (0.0.0.743)
 - Oven, Convection (0.0.0.741)
 - Oven, Microwave (0.0.0.742)
- Paper Conversion Device (0.0.0.514)
- Piping (0.0.0.515)
 - Piping, Boiler (0.0.0.754)
 - Piping, Boiler, Condensate (0.0.0.744)
 - Piping, Boiler, Condensate Return Tank (0.0.0.745)
 - Piping, Boiler, Economizer (0.0.0.746)

- Piping, Boiler, Expansion Tank (0.0.0.747)
- Piping, Boiler, Feedwater (0.0.0.748)
- Piping, Boiler, Indirect Water Heating (0.0.0.749)
- Piping, Boiler, Steam (0.0.0.753)
 - Piping, Boiler, Steam, Reheat (0.0.0.750)
 - Piping, Boiler, Steam, Saturated (0.0.0.751)
 - Piping, Boiler, Steam, Superheated (0.0.0.752)
- Piping, Refrigeration (0.0.0.759)
 - Piping, Refrigeration, Brine (0.0.0.758)
 - Piping, Refrigeration, Refrigerant (0.0.0.755)
 - Piping, Refrigeration, Steam (0.0.0.756)
 - Electrical Apparatus, Bus Structure (0.0.0.457)
 - Piping, Refrigeration, Water (0.0.0.757)
- Power Supply (0.0.0.836)
 - Power Supply, AC (0.0.0.516)
 - Power Supply, DC (0.0.0.517)
- Precipitator (0.0.0.832)
 - Precipitator, Electrostatic (0.0.0.458)
- Press (0.0.0.982)
 - Press, Air (0.0.0.518)
 - Press, Hydraulic (0.0.0.519)
 - Press, Isostatic (0.0.0.760)
 - Press, Mechanical (0.0.0.520)
 - Press, Printing (0.0.0.763)
 - Press, Printing, Sheet (0.0.0.761)
 - Press, Printing, Web (0.0.0.762)
 - Press, Steam (0.0.0.521)
- Pressure Vessel (0.0.0.983)
 - Pressure Vessel, Fired (0.0.0.532)
 - Pressure Vessel, Fired, Air Heater (0.0.0.522)
 - Pressure Vessel, Fired, Chemical Vessel (0.0.0.523)
 - Pressure Vessel, Fired, Reformer (0.0.0.527)
 - Pressure Vessel, Fired, Startup Heater (0.0.0.528)
 - Pressure Vessel, Fired, Steam Jenny (0.0.0.529)
 - Pressure Vessel, Fired, Sterilizer (0.0.0.530)
 - Pressure Vessel, Fired, Superheater (0.0.0.531)
 - Pressure Vessel, Fired, Water Heater (0.0.0.533)
 - Pressure Vessel, Unfired (0.0.0.779)
 - Pressure Vessel, Unfired, Air Tank (0.0.0.764)
 - Pressure Vessel, Unfired, Autoclave (0.0.0.535)
 - Pressure Vessel, Unfired, Chemical (0.0.0.766)
 - Pressure Vessel, Unfired, Chemical, Processing Tank (0.0.0.765)
 - Pressure Vessel, Unfired, Chemical, Storage Tank (0.0.0.537)
 - Pressure Vessel, Unfired, Cooker (0.0.0.542)
 - Pressure Vessel, Unfired, Devulcanizer (0.0.0.545)
 - Pressure Vessel, Unfired, Digester (0.0.0.548)
 - Pressure Vessel, Unfired, Digester, Batch (0.0.0.767)
 - Pressure Vessel, Unfired, Digester, Continuous (0.0.0.768)
 - Pressure Vessel, Unfired, Extractor (0.0.0.776)
 - Pressure Vessel, Unfired, Feedwater Vessel (0.0.0.775)
 - Pressure Vessel, Unfired, Feedwater Vessel, Dearator (0.0.0.543)
 - Pressure Vessel, Unfired, Feedwater Vessel, Demineralizer (0.0.0.544)
 - Pressure Vessel, Unfired, Filter Tank (0.0.0.550)
 - Pressure Vessel, Unfired, Heater Plate/Platen (0.0.0.565)
 - Pressure Vessel, Unfired, Kettle/Pot (0.0.0.563)
 - Pressure Vessel, Unfired, Rendering Tank (0.0.0.569)
 - Pressure Vessel, Unfired, Rendering Tank, Rotating (0.0.0.567)
 - Pressure Vessel, Unfired, Rendering Tank, Stationary (0.0.0.568)
 - Pressure Vessel, Unfired, Roll (0.0.0.575)
 - Pressure Vessel, Unfired, Roll, Paper Machine (0.0.0.777)
 - Pressure Vessel, Unfired, Roll, Paper Machine, Calendar (0.0.0.570)
 - Pressure Vessel, Unfired, Roll, Paper Machine, Corrugating (0.0.0.571)
 - Pressure Vessel, Unfired, Roll, Paper Machine, Yankee (0.0.0.576)
 - Pressure Vessel, Unfired, Roll, Pressure (0.0.0.573)
 - Pressure Vessel, Unfired, Rotating Vessel (0.0.0.778)
 - Pressure Vessel, Unfired, Steam Chest (0.0.0.577)
 - Pressure Vessel, Unfired, Steam Generator (0.0.0.771)
 - Pressure Vessel, Unfired, Steam Generator, Electric (0.0.0.769)
 - Pressure Vessel, Unfired, Steam Generator, Gas (0.0.0.770)
 - Pressure Vessel, Unfired, Vulcanizer (0.0.0.585)
 - Pressure Vessel, Unfired, Water Heater (0.0.0.586)
 - Pressure Vessel, Unfired, Water Heater, Electric (0.0.0.772)
 - Pressure Vessel, Unfired, Water Heater, Gas (0.0.0.773)

- Pulper (0.0.0.589)
- Pulverizer (0.0.0.590)

- Pulverizer, Ball Tube (0.0.0.782)
- Pulverizer, Bowl (0.0.0.781)
- Pulverizer, Hammermill (0.0.0.783)
- Pump (0.0.0.601)
 - Pump, Axial (0.0.0.826)
 - Pump, Axial, Multi-stage (0.0.0.591)
 - Pump, Axial, Single-stage (0.0.0.592)
 - Pump, Centrifugal (0.0.0.593)
 - Pump, Gear (0.0.0.594)
 - Pump, Moyno (0.0.0.595)
 - Pump, Peristaltic (0.0.0.597)
 - Pump, Piston (0.0.0.785)
 - Pump, Piston, In-line (0.0.0.784)
 - Pump, Piston, Radial (0.0.0.598)
 - Pump, Reciprocating (0.0.0.599)
 - Pump, Screw/Rotary (0.0.0.600)
- Regulator (0.0.0.786)
- Screw (0.0.0.602)
- Scrubber (0.0.0.838)
 - Scrubber, Dry (0.0.0.454)
 - Scrubber, Wet (0.0.0.643)
- Shaft (0.0.0.603)
- Shaft Rider (0.0.0.604)
- Solar Collector (0.0.0.605)
- Stove (0.0.0.787)
- Thermocouple (0.0.0.607)
- Tire, Kiln (0.0.0.608)
- Transducer (0.0.0.688)
 - Transducer, Accelerometer (0.0.0.667)
 - Transducer, Accelerometer, Single Axis (0.0.0.984)
 - Transducer, Accelerometer, Single Axis, No Internal Integration (0.0.0.664)
 - Transducer, Accelerometer, Single Axis, With Internal Integration (0.0.0.665)
 - Transducer, Accelerometer, Triaxial (0.0.0.666)
 - Transducer, Current Probe (0.0.0.668)
 - Transducer, Displacement Probe (0.0.0.669)
 - Transducer, Infrared Camera (0.0.0.687)
 - Transducer, Linear Voltage Differential Transformer (LVDT) (0.0.0.670)
 - Transducer, Microphone (0.0.0.671)
 - Transducer, Pressure Sensor (0.0.0.678)
 - Transducer, Pressure Sensor, Dynamic (0.0.0.676)
 - Transducer, Pressure Sensor, Static (0.0.0.677)
 - Transducer, Shaft Speed/Phase Reference Pickup (0.0.0.675)
 - Transducer, Shaft Speed/Phase Reference Pickup, Displacement Probe (0.0.0.674)
 - Transducer, Shaft Speed/Phase Reference Pickup, Magnetic (0.0.0.673)
 - Transducer, Shaft Speed/Phase Reference Pickup, Optical (0.0.0.672)
 - Transducer, Strain Gage (0.0.0.679)
 - Transducer, Temperature Sensor (0.0.0.682)
 - Transducer, Temperature Sensor, RTD (0.0.0.681)
 - Transducer, Temperature Sensor, Thermocouple (0.0.0.680)
 - Transducer, Torque (0.0.0.683)
 - Transducer, Torsional (0.0.0.684)
 - Transducer, Velocity Pickup (0.0.0.685)
 - Transducer, Voltage Probe (0.0.0.686)
- Transformer (0.0.0.614)
 - Transformer, Dry (0.0.0.622)
 - Transformer, Gas-filled (0.0.0.788)
 - Transformer, Liquid-filled (0.0.0.837)
 - Transformer, Liquid-filled, Askarel (0.0.0.794)
 - Transformer, Liquid-filled, Askarel, Arc Furnace (0.0.0.790)
 - Transformer, Liquid-filled, Askarel, Generator Step Up (0.0.0.791)
 - Transformer, Liquid-filled, Askarel, Induction Furnace (0.0.0.792)
 - Transformer, Liquid-filled, Askarel, Rectifier (0.0.0.793)
 - Transformer, Liquid-filled, Oil (0.0.0.625)
 - Transformer, Liquid-filled, Oil, Arc Furnace (0.0.0.623)
 - Transformer, Liquid-filled, Oil, Generator Step Up (0.0.0.789)
 - Transformer, Liquid-filled, Oil, Induction Furnace (0.0.0.624)
 - Transformer, Liquid-filled, Oil, Rectifier (0.0.0.627)
- Trunion, Kiln (0.0.0.629)
- Turbine (0.0.0.636)
 - Turbine, Combustion Gas (0.0.0.801)
 - Turbine, Combustion Gas, Aeroderivative (0.0.0.797)
 - Turbine, Combustion Gas, Aeroderivative, Combined Cycle (0.0.0.795)

- Turbine, Combustion Gas, Aeroderivative, Simple Cycle (0.0.0.796)
- Turbine, Combustion Gas, Heavy Frame Industrial (0.0.0.800)
- Turbine, Combustion Gas, Heavy Frame Industrial, Combined Cycle (0.0.0.798)
- Turbine, Combustion Gas, Heavy Frame Industrial, Simple Cycle (0.0.0.799)
- Turbine, Expander (0.0.0.630)
- Turbine, Hydraulic (0.0.0.805)
 - Turbine, Hydraulic, Impulse (0.0.0.662)
 - Turbine, Hydraulic, Impulse, Cross-Flow (0.0.0.659)
 - Turbine, Hydraulic, Impulse, Pelton (0.0.0.658)
 - Turbine, Hydraulic, Impulse, Turgo (0.0.0.660)
 - Turbine, Hydraulic, Reaction (0.0.0.657)
 - Turbine, Hydraulic, Reaction, Deriaz (0.0.0.655)
 - Turbine, Hydraulic, Reaction, Francis (0.0.0.653)
 - Turbine, Hydraulic, Reaction, Propeller (0.0.0.654)
 - Turbine, Hydraulic, Reaction, Propeller, Adjustable Blades (Kaplan) (0.0.0.802)
 - Turbine, Hydraulic, Reaction, Propeller, Fixed Blades (0.0.0.803)
 - Turbine, Hydraulic, Reversible Turbine and Pump (0.0.0.804)
- Turbine, Steam (0.0.0.635)
- Turbine, Wind (0.0.0.637)
- Valve (0.0.0.985)
- Vane, Pump (0.0.0.640)
- Washer (0.0.0.641)
- Wood Hog (0.0.0.644)
- Mechanical Device Area (0.0.0.973)
 - Housing, Bearing (0.0.0.663)
 - Housing, Bearing, Pillow Block (0.0.0.990)
 - Section, Combustor (0.0.0.645)
 - Section, Compressor (0.0.0.646)
 - Section, Power (0.0.0.648)
 - Section, Rotor (0.0.0.939)
 - Section, Stator (0.0.0.940)
 - Stage (0.0.0.651)
- Physical Structure (0.0.0.971)
 - Barge (0.0.0.279)
 - Bridge (0.0.0.280)
 - Building (0.0.0.976)
 - Building, Mobile (0.0.0.281)
 - Building, Stationary (0.0.0.282)
 - Cavern (0.0.0.283)
 - Chimney (0.0.0.861)
 - Control Center (0.0.0.284)
 - Dam (0.0.0.285)
 - Facility (0.0.0.286)
 - Ground Source (0.0.0.862)
 - Industrial Enclosure (0.0.0.288)
 - Marine Craft (0.0.0.289)
 - Mine (0.0.0.290)
 - Ocean (0.0.0.291)
 - Pond/Lake (0.0.0.292)
 - River (0.0.0.293)
 - Road (0.0.0.294)
 - Stack (0.0.0.295)
 - Tank (0.0.0.296)
 - Tower (0.0.0.297)
 - Tower, Cooling (0.0.0.863)
 - Tunnel (0.0.0.298)
 - Water (0.0.0.277)
 - Well (0.0.0.299)
 - Wind (0.0.0.278)
- Physical Structure Area (0.0.0.975)
 - Facility Section/Area (0.0.0.287)
 - Floor (0.0.0.977)
- Production Process (0.0.0.969)
 - Acetylene Production (0.0.0.1)
 - Acid Production (0.0.0.941)
 - Acid, Nitric Production (0.0.0.2)
 - Acid, Phosphoric Production (0.0.0.3)
 - Acid, Sulfuric Production (0.0.0.4)
 - Acrylic Monomers Production (0.0.0.5)
 - Aerospace Equipment Production (0.0.0.6)
 - Agrochemical Production (0.0.0.7)
 - Aircraft Equipment Production (0.0.0.8)
 - Aluminum Products Production (0.0.0.10)

Aluminum Smelting (0.0.0.11)
Ammonia Production (0.0.0.12)
Appliance Production (0.0.0.13)
Aromatic Derivative Production (0.0.0.14)
Aromatics Production (0.0.0.15)
Asbestos Fiber Production (0.0.0.16)
Asphalt Mixing (0.0.0.17)
Asphalt Production (0.0.0.18)
Automobile Equipment Production (0.0.0.19)
Beverage Production (0.0.0.20)
 Beverage, Alcoholic Production (0.0.0.9)
Block Production (0.0.0.942)
 Block, Cinder Production (0.0.0.41)
 Block, Concrete Production (0.0.0.46)
Boiler Production (0.0.0.21)
Book Publishing (0.0.0.22)
Boot Production (0.0.0.23)
Bottling (0.0.0.24)
Brass Products Production (0.0.0.25)
Brick Products Production (0.0.0.26)
Bronze Products Production (0.0.0.27)
Butter Production (0.0.0.28)
Butylene Derivative Production (0.0.0.29)
Butylene Production (0.0.0.30)
Can Production (0.0.0.943)
 Can, Metal Production (0.0.0.31)
Candy Production (0.0.0.32)
Canning Production (0.0.0.944)
 Canning, Metal Production (0.0.0.33)
Carbon Black Production (0.0.0.34)
Cement Production (0.0.0.35)
Cereal Production (0.0.0.36)
Cheese Production (0.0.0.37)
Chlorine Production (0.0.0.38)
Cigar Production (0.0.0.39)
Cigarette Production (0.0.0.40)
Clay Products Production (0.0.0.42)
Cleaning Agent Production (not Soap or Detergent) (0.0.0.43)
Clothing Apparel Production (0.0.0.44)
Coal Mining (0.0.0.45)
Concrete Products Production (0.0.0.47)
Copper Products Production (0.0.0.48)
Cracking Refining (0.0.0.49)
Cumene Production (0.0.0.50)
Cyanides Production (0.0.0.51)
Cyclohexane Derivative Production (0.0.0.52)
Cyclohexane Production (0.0.0.53)
Detergent Production (0.0.0.54)
Distillation Refining (0.0.0.55)
Electrical Power Production (0.0.0.57)
Electronic Instrument Production (0.0.0.58)
Electroplating Production (0.0.0.59)
Enamel Ware Products Production (0.0.0.60)
Ethanol Production (0.0.0.61)
Ether Production (0.0.0.62)
Ethylene Derivative Production (0.0.0.63)
Ethylene Dichloride Production (0.0.0.64)
Ethylene Polymer Production (0.0.0.65)
Explosives Production (0.0.0.66)
Farm Implements Production (0.0.0.67)
Fireworks Production (0.0.0.68)
Flatware Production (0.0.0.69)
Food Processing (0.0.0.945)
 Food Processing, Frozen (0.0.0.70)
 Food Processing, Non-frozen (0.0.0.71)
Food Storage (0.0.0.946)
 Food Storage, Frozen (0.0.0.72)
 Food Storage, Non-frozen (0.0.0.73)
Furniture Production (0.0.0.74)
Gas Fractionation (0.0.0.75)
Gas Production (0.0.0.947)
 Gas, Cryogenic Production (0.0.0.76)
 Gas, Natural Production (0.0.0.77)
Gold Mining (0.0.0.78)
Grain Milling (0.0.0.79)

- Gypsum Production (0.0.0.80)
- Hydrocarbon Recovery (0.0.0.81)
- Ice Cream Production (0.0.0.82)
- Jewelry Production (0.0.0.83)
- Leather Goods Production (0.0.0.84)
- Lumber Production (0.0.0.85)
- Machinery Production (0.0.0.948)
 - Machinery, Electrical Production (0.0.0.56)
 - Machinery, Industrial Production (0.0.0.86)
- Meat Packing (0.0.0.87)
- Meat Processing (0.0.0.88)
- Metal Coating (0.0.0.89)
- Metal Coating Production (0.0.0.90)
- Metal Electroplating (0.0.0.91)
- Metal Fabrication (0.0.0.92)
- Methanol Derivative Production (0.0.0.93)
- Methanol Production (0.0.0.94)
- Oil Refining (0.0.0.95)
- Olefin Production (0.0.0.96)
- Ore Refining (0.0.0.97)
- Packaging Material Production (0.0.0.99)
- Paper Production (0.0.0.949)
 - Paper, Box Production (0.0.0.100)
 - Paper, Container Production (0.0.0.101)
 - Paper, Corrugated Production (0.0.0.102)
 - Paper, Newsprint Production (0.0.0.103)
- Particle Board Production (0.0.0.104)
- Phenol Production (0.0.0.105)
- Pipe Production (0.0.0.950)
 - Pipe, Concrete Production (0.0.0.106)
- Plaster Production (0.0.0.107)
- Plastic Production (0.0.0.108)
- Plywood Production (0.0.0.109)
- Polystyrene Production (0.0.0.110)
- Pottery Production (0.0.0.111)
- Pressure Vessel Production (0.0.0.112)
- Printing Production (0.0.0.113)
- Propylene Derivative Production (0.0.0.114)
- Propylene Production (0.0.0.115)
- Pulp Production (0.0.0.116)
- Roofing Materials Production (0.0.0.117)
- Rubber Production (0.0.0.951)
 - Rubber, Synthetic Production (0.0.0.118)
- Semiconductor Production (0.0.0.119)
- Shoe Production (0.0.0.120)
- Silicon Wafer Production (0.0.0.121)
- Soap Production (0.0.0.122)
- Steam Production (0.0.0.123)
- Styrene Production (0.0.0.124)
- Sugar Production (0.0.0.125)
- Sugar Refining (0.0.0.126)
- Sulfur Recovery (0.0.0.127)
- Tallow Production (0.0.0.128)
- Terra Cotta Production (0.0.0.129)
- Textile Bleaching (0.0.0.130)
- Textile Dyeing (0.0.0.131)
- Textile Finishing (0.0.0.132)
- Tile Production (0.0.0.952)
 - Tile, Ceramic Production (0.0.0.133)
 - Tile, Floor Production (0.0.0.134)
- Vinyl Chloride Production (0.0.0.135)
- Production Process Input/Output (0.0.0.970)
 - Acetylene (0.0.0.136)
 - Acid (0.0.0.953)
 - Acid, Nitric (0.0.0.137)
 - Acid, Phosphoric (0.0.0.138)
 - Acid, Sulfuric (0.0.0.139)
 - Acrylic Monomers (0.0.0.140)
 - Aerospace Equipment (0.0.0.141)
 - Aircraft Equipment (0.0.0.143)
 - Aluminum (0.0.0.146)
 - Aluminum Products (0.0.0.145)
 - Ambient Atmosphere (0.0.0.147)
 - Ammonia (0.0.0.148)
 - Appliance (0.0.0.149)

- Aromatic Derivative (0.0.0.150)
- Aromatics (0.0.0.151)
- Asbestos Fiber (0.0.0.152)
- Asphalt (0.0.0.153)
- Automobile Equipment (0.0.0.155)
- Beverages (0.0.0.156)
 - Beverages, Alcoholic (0.0.0.144)
- Blocks (0.0.0.955)
 - Blocks, Cinder (0.0.0.176)
 - Blocks, Concrete (0.0.0.182)
- Boilers (0.0.0.157)
- Books (0.0.0.158)
- Boots (0.0.0.159)
- Bottles (0.0.0.160)
- Brass Products (0.0.0.161)
- Brick Products (0.0.0.162)
- Bronze Products (0.0.0.163)
- Butter (0.0.0.164)
- Butylene (0.0.0.165)
- Butylene Derivative (0.0.0.166)
- Candy (0.0.0.167)
- Cans (0.0.0.956)
 - Cans, Metal (0.0.0.168)
- Carbon Black (0.0.0.169)
- Cement (0.0.0.170)
- Cereal (0.0.0.171)
- Cheese (0.0.0.172)
- Chlorine (0.0.0.173)
- Cigarettes (0.0.0.174)
- Cigars (0.0.0.175)
- Clay Products (0.0.0.177)
- Cleaning Agents (not Soap or Detergent) (0.0.0.178)
- Clothing Apparel (0.0.0.179)
- Coal (0.0.0.180)
- Compost (0.0.0.181)
- Concrete Products (0.0.0.183)
- Copper Products (0.0.0.184)
- Cumen (0.0.0.185)
- Cyanides (0.0.0.186)
- Cyclohexane (0.0.0.187)
- Cyclohexane Derivative (0.0.0.188)
- Detergent (0.0.0.189)
- Diesel Fuel (0.0.0.190)
- Electricity (0.0.0.193)
 - Electricity, AC (0.0.0.958)
 - Electricity, DC (0.0.0.957)
- Electronic Instruments (0.0.0.194)
- Enamel Ware Products (0.0.0.196)
- Ethanol (0.0.0.197)
- Ether (0.0.0.198)
- Ethylene Derivative (0.0.0.199)
- Ethylene Dichloride (0.0.0.200)
- Ethylene Polymer (0.0.0.201)
- Explosives (0.0.0.202)
- Farm Implements (0.0.0.203)
- Fireworks (0.0.0.204)
- Flatware (0.0.0.205)
- Food (0.0.0.967)
 - Food, Frozen (0.0.0.206)
 - Food, Non-frozen (0.0.0.207)
- Furniture (0.0.0.210)
- Gas (0.0.0.959)
 - Gas, Cryogenic (0.0.0.212)
 - Gas, Natural (0.0.0.213)
- Gasoline (0.0.0.214)
- Geothermal Heat (0.0.0.215)
- Gold (0.0.0.216)
- Grain (0.0.0.960)
 - Grain, Milled (0.0.0.217)
 - Grain, Unmilled (0.0.0.218)
- Gypsum (0.0.0.219)
- Hydrocarbon (0.0.0.220)
- Ice Cream (0.0.0.221)
- Jewelry (0.0.0.222)
- Leather Goods (0.0.0.223)

- Lumber (0.0.0.224)
- Machinery (0.0.0.961)
 - Machinery, Electrical (0.0.0.192)
 - Machinery, Industrial (0.0.0.225)
- Meat Packing (0.0.0.226)
- Meat Processing (0.0.0.227)
- Metal (0.0.0.228)
- Methanol (0.0.0.231)
- Methanol Derivative (0.0.0.232)
- Oil (0.0.0.962)
 - Oil, Crude (0.0.0.233)
 - Oil, Heating (0.0.0.234)
 - Oil, Lubricating (0.0.0.235)
- Olefin (0.0.0.236)
- Ore Refining (0.0.0.237)
- Packaging Material (0.0.0.238)
- Paper (0.0.0.963)
 - Paper, Boxes (0.0.0.239)
 - Paper, Containers (0.0.0.240)
 - Paper, Corrugated (0.0.0.241)
 - Paper, Newsprint (0.0.0.242)
- Particle Boards (0.0.0.243)
- Phenol (0.0.0.244)
- Pipes (0.0.0.964)
 - Pipes, Concrete (0.0.0.245)
- Plaster (0.0.0.246)
- Plastic (0.0.0.247)
- Plywood (0.0.0.248)
- Polystyrene (0.0.0.249)
- Pottery (0.0.0.250)
- Pressure Vessels (0.0.0.251)
- Propylene (0.0.0.252)
- Propylene Derivative (0.0.0.253)
- Pulp (0.0.0.254)
- Renewable Biomass Fuel (0.0.0.255)
- Roofing Materials (0.0.0.257)
- Rubber (0.0.0.965)
- Rubber, Synthetic (0.0.0.258)
- Semiconductors (0.0.0.259)
- Shoes (0.0.0.260)
- Silicon Wafers (0.0.0.261)
- Soap (0.0.0.262)
- Steam (0.0.0.263)
- Styrene (0.0.0.264)
- Sugar (0.0.0.265)
- Sulfur (0.0.0.267)
- Sunlight (0.0.0.268)
- Tallow (0.0.0.269)
- Terra Cotta (0.0.0.270)
- Textiles (0.0.0.271)
- Tiles (0.0.0.966)
 - Tiles, Ceramic (0.0.0.274)
 - Tiles, Floor (0.0.0.275)
- Vinyl Chloride (0.0.0.276)
- System (0.0.0.968)
 - Air Conditioning System (0.0.0.300)
 - Air Conditioning System, Absorption (Chiller System) (0.0.0.869)
 - Air Conditioning System, Absorption (Chiller System), Ammonia & Water (0.0.0.870)**
 - Air Conditioning System, Absorption (Chiller System), Ammonia & Water, Direct Fired (0.0.0.871)
 - Air Conditioning System, Absorption (Chiller System), Ammonia & Water, Indirect Fired (0.0.0.872)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water (0.0.0.873)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Direct Fired (0.0.0.874)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Direct Fired, Double Effect (0.0.0.875)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Direct Fired, Single Effect (0.0.0.876)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Direct Fired, Triple Effect (0.0.0.877)
 - Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Indirect Fired (0.0.0.878)

- Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Indirect Fired, Double Effect (0.0.0.879)
- Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Indirect Fired, Single Effect (0.0.0.880)
- Air Conditioning System, Absorption (Chiller System), Lithium Bromide & Water, Indirect Fired, Triple Effect (0.0.0.881)
- Air Conditioning System, Vapor Compression (0.0.0.846)
- Air Conditioning System, Vapor Compression, (AC Unit) (0.0.0.882)
- Air Conditioning System, Vapor Compression, (AC Unit), Hermetic (0.0.0.883)
- Air Conditioning System, Vapor Compression, (AC Unit), Hermetic, Direct Expansion (0.0.0.884)
- Air Conditioning System, Vapor Compression, (AC Unit), Hermetic, Secondary Coolant (Chiller System) (0.0.0.885)
- Air Conditioning System, Vapor Compression, (AC Unit), Open (0.0.0.978)
- Air Conditioning System, Vapor Compression, (AC Unit), Open, Direct Expansion (0.0.0.889)
- Air Conditioning System, Vapor Compression, (AC Unit), Open, Secondary Coolant (0.0.0.890)
- Air Conditioning System, Vapor Compression, (AC Unit), Semi-hermetic (0.0.0.886)
- Air Conditioning System, Vapor Compression, (AC Unit), Semi-hermetic, Direct Expansion (0.0.0.887)
- Air Conditioning System, Vapor Compression, (AC Unit), Semi-hermetic, Secondary Coolant (Chiller System) (0.0.0.888)
- Air Conditioning and Heating System (0.0.0.864)
- Air Conditioning and Heating System, Heat Pump (0.0.0.865)
- Air Conditioning and Heating System, Heat Pump, Air (0.0.0.866)
- Air Conditioning and Heating System, Heat Pump, Liquid (0.0.0.867)
- Air Conditioning and Heating System, Heat Pump, Liquid, Water (0.0.0.868)
- Alarm System (0.0.0.302)
- Boiler System (0.0.0.900)
- CIM Cell (0.0.0.303)
- Compressor System (0.0.0.304)
- Condensor System (0.0.0.901)
- Conveyor System (0.0.0.305)
- Corrugating Machine (0.0.0.840)
- Crusher/Grinder System (0.0.0.307)
- Debarker System (0.0.0.308)
- Dryer System (0.0.0.309)
- Drying System (0.0.0.310)
- Electrical System (0.0.0.311)
- Emission Control System (0.0.0.312)
- Evaporation/Chiller System (0.0.0.902)
- Exhaust System (0.0.0.313)
- Expander System (0.0.0.314)
- Extruder System (0.0.0.315)
- Fan/Blower System (0.0.0.316)
- Fire Protection System (0.0.0.317)
- Fuel Feeder System (0.0.0.319)
- Fuel Firing System (0.0.0.320)
- Fuel Handling System (0.0.0.321)
- Fuel Transport System (0.0.0.323)
- Heat Exchange System (0.0.0.841)
- Heating System (0.0.0.324)
- Heating System, Air (0.0.0.903)
- Heating System, Liquid (0.0.0.904)
- Heating System, Liquid, Water (0.0.0.905)
- Heating System, Steam (0.0.0.906)
- Injection Molding System (0.0.0.325)
- Kiln System (0.0.0.326)
- Lube Oil System (0.0.0.327)
- Machine Tool System (0.0.0.1006)
- Machine Tool System, Spindle Cluster System (0.0.0.994)
- Machine Train System (0.0.0.839)
- Machine Train System, Rotating (0.0.0.328)
- Measurement Collection System (0.0.0.828)
- Measurement Collection System, Fixed (0.0.0.329)
- Measurement Collection System, Portable (0.0.0.330)
- Metal Separation System (0.0.0.331)
- Mill System (0.0.0.332)
- Mill System, Plastic (0.0.0.842)

Mill System, Raw (0.0.0.345)
Mill System, Rubber (0.0.0.843)
Mining System (0.0.0.333)
Mining System, Surface (0.0.0.352)
Mixing System (0.0.0.334)
Paper Conversion System (0.0.0.335)
Paper Machine System (0.0.0.336)
Power Distribution System (0.0.0.827)
Power Distribution System, AC (0.0.0.337)
Power Distribution System, DC (0.0.0.338)
Process Control System (0.0.0.339)
Product Handling System (0.0.0.340)
Protection System (0.0.0.341)
Pulley System (0.0.0.375)
Pulverizer System (0.0.0.342)
Pump System (0.0.0.343)
Refrigeration System (0.0.0.346)
Refrigeration System, Vapor Compression (0.0.0.907)
Security System (0.0.0.347)
Silencing System (0.0.0.348)
Sizing System (0.0.0.349)
Steam Heating System (0.0.0.350)
Steam/Water System (0.0.0.351)
Turbine Generator Set (0.0.0.353)
Waste Handling System (0.0.0.354)
Water Heating System (0.0.0.355)
Water Treatment System (0.0.0.356)