



Index of merchandise with code numbers and keywords

Bathroom equipment + sanitary engineering

Bathroom equipment

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3.2.1.7 Copper pipes for gas supply
3.2.1.8 Aluminium pipes, including preinsulated pipes
3.2.1.9 Steel pipes for water supply, including preinsulated pipes
3.2.1.10 Steel pipes for heating water, including preinsulated pipes
3.2.1.11 Steel pipes for gas supply
3.2.1.12 Stainless steel pipes for water supply
3.2.1.13 Stainless steel pipes for gas supply
3.2.1.14 Composite pipes for water supply
3.2.1.15 Composite pipes for gas supply
3.2.1.16 Corrugated pipes
3.2.1.17 Folded-joint pipes / spirally wound pipes
3.2.1.18 District hot water pipes
3.2.1.19 Accessories for long-distance pipes
3.2.1.20 Conduit lines
3.2.1.21 Manufacturer systems

Fittings, pipe connectors and plugs

- 3.2.2.1** Fittings, pipe connectors and plugs in plastic material
3.2.2.2 Fittings, pipe connectors and plugs in brass
3.2.2.3 Fittings, pipe connectors and plugs in steel
3.2.2.4 Fittings, pipe connectors and plugs in stainless steel
3.2.2.5 Fittings, pipe connectors and plugs in malleable cast iron
3.2.2.6 Copper, brass and red bronze soldered fittings
3.2.2.7 Press fittings made of stainless steel, red bronze, brass and copper
3.2.2.8 Push fittings of stainless steel, red bronze, brass and copper
3.2.2.9 Special fittings
3.2.2.10 Pipe connectors
3.2.2.11 Sealing clips for pipe bursts

Pipe connection techniques

- 3.2.3.1** Threaded connections
3.2.3.2 Connection techniques for gluing
3.2.3.3 Connection techniques for clamping
3.2.3.4 Connection techniques for soldering
3.2.3.5 Connection techniques for welding
3.2.3.6 Connection techniques for pressing

- 3.2.3.7** Connection techniques for plugging

Pipe systems (pipes and connections)

- 3.2.4.1** Drinking water pipe systems
3.2.4.2 Heating pipe systems
3.2.4.3 Gas pipe systems made of metal
3.2.4.4 Non-metallic gas pipe systems
3.2.4.5 Pipe systems with internal circulation

Accessories for pipe connections

- 3.2.5.1** Jointing compounds
3.2.5.2 Rubber pipe adapters and rubber pipe connections

Drainpipes and fittings for building, land and road drainage

- 3.2.6.1** Outlet pipes and fittings, cast iron
3.2.6.2 Outlet pipes and fittings, plastic, also soundproof
3.2.6.3 Outlet pipes and fittings, steel
3.2.6.4 Outlet pipes and fittings, stainless steel
3.2.6.5 Stack pipes

Junctions to other materials

- 3.2.7.1** Junctions to outlet pipes
3.2.7.2 Junctions to outlet pipes, rubber

Hoses

- 3.2.8.1** Hoses, plastic
3.2.8.2 Hoses, metal
3.2.8.3 Hoses, rubber
3.2.8.4 Union joint hoses

Installation systems and mountings

Prefabricated installations and sanitary cells

- 3.3.1.1** Installation frames, walls and blocks
3.3.1.2 Wall-mounted installation systems, accessories
3.3.1.3 Supporting structures for sanitary objects
3.3.1.4 Bath tub holders
3.3.1.5 Distribution cabinets
3.3.1.6 Inspection trap frames

Mounting material

- 3.3.2.1** Fastening rails
3.3.2.2 Fastening systems
3.3.2.3 Dowel pins and plugs
3.3.2.4 Pipe brackets
3.3.2.5 Screws and rivets

Labels

- 3.3.3.1** Pipe identifications / identification plates

Insulation and sealing material, pipe duct wall entrances

Sound insulation, thermal insulation, fire protection

- 3.4.1.1** Sound proofing systems against structure-borne sound for sanitary equipment
3.4.1.2 Insulating materials for pipes and tanks
3.4.1.3 Insulating caps for fittings

- 3.4.1.4 Sound insulation for pipes
- 3.4.1.5 Special cold, heat, noise and vibration insulation for air-conditioning and ventilation systems
- 3.4.1.6 Fire protection for pipes

Sealing material

- 3.4.2.1 Joint rings
- 3.4.2.2 Sealants
- 3.4.2.3 Gasket rings and washers
- 3.4.2.4 Joint sealing compounds
- 3.4.2.5 Sealing compounds

Pipe duct wall entrances

- 3.4.3.1 Pipe duct wall entrances
- 3.4.3.2 Multi-service house lead-ins

Corrosion protection and water treatment

Corrosion protection installations for heating engineering

- 3.5.1.1 Cathodic corrosion protection / physical corrosion protection
- 3.5.1.2 Chemical corrosion protection
- 3.5.1.3 Chemical additives
- 3.5.1.4 Scale removers
- 3.5.1.5 Scale removal equipment
- 3.5.1.6 Water heating installations as per VDI 2035 in desalting
- 3.5.1.7 Water heating installations as per VDI 2035 in softening
- 3.5.1.8 Drinking water purifying equipment

Fittings, valves

Pipe fittings for water supply

- 3.6.1.1 Stop valves as screw-down or oblique pattern globe valves
- 3.6.1.2 Corner valves
- 3.6.1.3 Main stop valves and cocks
- 3.6.1.4 Gate valves
- 3.6.1.5 Plastic fittings
- 3.6.1.6 Manifolds
- 3.6.1.7 Distributors for cold water, hot water and circulation
- 3.6.1.8 Fittings and valves for taking water samples
- 3.6.1.9 Sampling valves

Safety fittings for drinking water protection

- 3.6.2.1 Pipe interrupters
- 3.6.2.2 System separators
- 3.6.2.3 Tube separators
- 3.6.2.4 Safety combinations
- 3.6.2.5 Return-flow preventers
- 3.6.2.6 Anti-vacuum valves

Fittings for heating and drinking-water heating equipment

- 3.6.3.1 Gate valves of cast iron or steel
- 3.6.3.2 Butterfly valves of cast iron or steel
- 3.6.3.3 Stop valves of cast iron or steel
- 3.6.3.4 Cocks of cast iron or steel
- 3.6.3.5 Gate valves of non-ferrous metals
- 3.6.3.6 Stop valves of non-ferrous metals
- 3.6.3.7 Cocks of non-ferrous metals

Return-flow preventers

- 3.6.4.1 Check valves
- 3.6.4.2 Clack valves
- 3.6.4.3 Gravity brakes

Arresters, separators, outflow fittings, testing equipment

- 3.6.5.1 Boiler filling and outflow cocks
- 3.6.5.2 Quick venting devices, air separators
- 3.6.5.3 Steam traps
- 3.6.5.4 Separators for solid, fluid and gaseous substances
- 3.6.5.5 Testing equipment

Monitoring fittings

- 3.6.6.1 Inspection glasses
- 3.6.6.2 Water flow detectors

Regulation fittings

- 3.6.7.1 Pressure regulators
- 3.6.7.2 Temperature regulators
- 3.6.7.3 Level regulators
- 3.6.7.4 Reducing valves for house water
- 3.6.7.5 Combination of reducing valves for house installation

Mixing fittings

- 3.6.8.1 Heating mixers
- 3.6.8.2 Two-way and three-way valves
- 3.6.8.3 Drinking-water mixers

Fittings for pressure regulation in heating plants

- 3.6.9.1 Differential pressure devices
- 3.6.9.2 Pass regulating valves
- 3.6.9.3 Overflow valves

Safety fittings

- 3.6.10.1 Safety valves for drinking water heaters
- 3.6.10.2 Safety valves for central heating plants
- 3.6.10.3 Lever or spring safety valves
- 3.6.10.4 Thermal safety valves

Other safety fittings

- 3.6.11.1 Overflow safety devices
- 3.6.11.2 Aquastop safety fittings

Radiator controlling fittings

- 3.6.12.1 Thermostatic valves
- 3.6.12.2 Servocontrols for radiator thermostats
- 3.6.12.3 Zone valves
- 3.6.12.4 Specially designed valves, e.g. for one-pipe heating systems

Other heating fittings

- 3.6.13.1 Radiator screw joints
- 3.6.13.2 Radiator vents

Heating circuit distributors

- 3.6.14.1 Distributors for underfloor heating, single-pipe and dual-pipe systems
- 3.6.14.2 Boiler distributors
- 3.6.14.3 Hydraulic points
- 3.6.14.4 Distribution cabinets for heating installations

Oil burning equipment fittings

- 3.6.15.1 Stop and joint fittings for oil central heating including heating oil storage tanks

- 3.6.15.2 Stop and distributing fittings for heating oil central supply
- 3.6.15.3 Heating oil pressure reducing valves
- 3.6.15.4 Heating oil filters
- 3.6.15.5 Ball valves for oil
- 3.6.15.6 Oil distributors

Gas fittings

- 3.6.16.1 Gas fittings for domestic installation
- 3.6.16.2 Ball valves for gas
- 3.6.16.3 Electro/servo valves for gas
- 3.6.16.4 Flush fittings for gas appliances
- 3.6.16.5 Gas filters
- 3.6.16.6 Gas flow monitors

Fittings for liquefied gas

- 3.6.17.1 Pressure regulating valves for liquefied gas
- 3.6.17.2 Valves for liquefied gas cylinders

Fire-extinguishing and fire-protection fittings

- 3.6.18.1 Fittings for fire brigades
- 3.6.18.2 Fire hydrants and accessories
- 3.6.18.3 Automatic fire-extinguishing equipment (deluge sprinkler systems, sprinklers, etc.) and accessories

Fittings for refrigeration engineering

- 3.6.19.1 Fittings for industrial refrigeration

District heat transfer stations

- 3.6.20.1 District heat domestic stations

Thermal expansion fittings

- 3.6.21.1 Expansion bellows / compensators

Outlets, bleeder valves, separators and covers

Outlet and overflow fittings

- 3.7.1.1 Outlet valves
- 3.7.1.2 Outlet and overflow fittings including odour seals
- 3.7.1.3 Odour seals for sewer pipes

Outlets

- 3.7.2.1 Basement drains and back pressure caps
- 3.7.2.2 Soil, bathroom and swimming pool drainage systems
- 3.7.2.3 Courtyard outlets and caps
- 3.7.2.4 Street drains and accessories
- 3.7.2.5 Caps for outlets, street caps
- 3.7.2.6 Balcony outlets
- 3.7.2.7 Roof outlets

Bleeder valves for drainage systems

- 3.7.3.1 Automatic bleeder valves

Separators

- 3.7.4.1 Petrol separators
- 3.7.4.2 Grease separators
- 3.7.4.3 Fuel oil separators
- 3.7.4.4 Starch separators

Covers

- 3.7.5.1 Manhole covers
- 3.7.5.2 Manhole covers, walk-on
- 3.7.5.3 Manhole covers, drive-on

Rainwater utilisation

Rainwater and process water utilisation

- 3.8.1.1 Rainwater utilisation systems
- 3.8.1.2 Rainwater seepage and retention
- 3.8.1.3 Rainwater storage tanks
- 3.8.1.4 Greywater use
- 3.8.1.5 Water conservation systems
- 3.8.1.6 Rainwater filters
- 3.8.1.7 Pump systems for rainwater utilisation facilities
- 3.8.1.8 Components for control and refilling
- 3.8.1.9 Accessories for rainwater and greywater utilisation facilities

Pumps and pressure vessels

Pumps for drinking water and industrial water

- 3.9.1.1 Pumps for pressure boosting systems / pressure boosting systems
- 3.9.1.2 Garden pumps
- 3.9.1.3 Domestic water supply pumps
- 3.9.1.4 Circulating pumps
- 3.9.1.5 Process water pumps
- 3.9.1.6 Centrifugal pumps, including self-priming / high-pressure centrifugal pumps
- 3.9.1.7 Fountain pumps
- 3.9.1.8 Sprinkler pumps
- 3.9.1.9 Pumps for drilled wells
- 3.9.1.10 Split case pumps
- 3.9.1.11 Recirculation pumps

Pumps for use in heating systems

- 3.9.2.1 Heating circulation pumps
- 3.9.2.2 Heating circulation pumps with modulating controllers
- 3.9.2.3 Accumulator charge pumps
- 3.9.2.4 High-efficiency pumps
- 3.9.2.5 Pumps for solar systems
- 3.9.2.6 Condensation pumps
- 3.9.2.7 Oil burner pumps

Draining pumps and draining systems

- 3.9.3.1 Sewage pumps
- 3.9.3.2 Coarse sludge and sewage pumps
- 3.9.3.3 Waste water rising systems
- 3.9.3.4 Cellar draining pumps
- 3.9.3.5 Waste water pumps
- 3.9.3.6 Submersible motor-driven pumps
- 3.9.3.7 Drainage pumps
- 3.9.3.8 Pumps with cutting systems
- 3.9.3.9 W.C. delivery systems

Other pumps

- 3.9.4.1 Piston pumps
- 3.9.4.2 Rotary positive-displacement pumps
- 3.9.4.3 Pedestal pumps
- 3.9.4.4 High-pressure cleaning pumps
- 3.9.4.5 Submarine pumps
- 3.9.4.6 Proportioning pumps
- 3.9.4.7 Scale removing pumps
- 3.9.4.8 Water-jet pumps
- 3.9.4.9 Charging pumps and flush pumps for solar heating systems

Index of merchandise with code numbers and keywords

- 3.9.4.10 Pumping systems (also with tank)
- 3.9.4.11 Pump stations
- 3.9.4.12 Shaft pump stations

Vessels for pumping systems

- 3.9.5.1 Pressure vessels

Pump accessories

- 3.9.6.1 Changeover units
- 3.9.6.2 Pump management
- 3.9.6.3 Other pump accessories

Bands and sheet

Metal roof and façade cladding

- 3.10.1.1 Metal roof and façade cladding with manual fastening
- 3.10.1.2 Metal roof and façade cladding with system fastenings
- 3.10.1.3 Metal roof and façade cladding with slate-type fastenings

Semi-finished goods made of aluminium

- 3.10.2.1 Aluminium bands (strip)
- 3.10.2.2 Aluminium sheet
- 3.10.2.3 Aluminium pipes
- 3.10.2.4 Aluminium rods

Semi-finished goods made of copper

- 3.10.3.1 Copper bands (strip)
- 3.10.3.2 Copper sheet
- 3.10.3.3 Copper bars
- 3.10.3.4 Copper piping

Semi-finished goods made of brass

- 3.10.4.1 Brass sheet
- 3.10.4.2 Brass bars
- 3.10.4.3 Brass piping

Semi-finished goods made of zinc

- 3.10.5.1 Zinc bands (strip)
- 3.10.5.2 Zinc plate

Semi-finished goods made of galvanised steel

- 3.10.6.1 Galvanised strips
- 3.10.6.2 Galvanised plates
- 3.10.6.3 Galvanised rods
- 3.10.6.4 Special grilles and plates

Semi-finished goods made of stainless steel

- 3.10.7.1 Stainless steel strips
- 3.10.7.2 Stainless steel plates

Metal profiled sheeting and profiled panels

- 3.10.8.1 Metal profiled sheeting and profiled panels

Materials and systems for roof drainage and accessories

- 3.10.9.1 Roof gutters and rainwater pipes made of copper
- 3.10.9.2 Roof gutters and rainwater pipes made of galvanised steel plate
- 3.10.9.3 Roof gutters and rainwater pipes made of zinc plate
- 3.10.9.4 Roof gutters and rainwater pipes made of galvanised steel plate, plastic coated
- 3.10.9.5 Roof gutters and rainwater pipes made of stainless steel

- 3.10.9.6 Roof gutters and rainwater pipes made of aluminium
- 3.10.9.7 Stack pipes made of galvanised steel
- 3.10.9.8 Stack pipes made of copper
- 3.10.9.9 Flat-roof draining systems
- 3.10.9.10 High pressure roof drainage
- 3.10.9.11 Emergency overflow systems

Accessories for roof drainage

- 3.10.10.1 Lightning fixtures
- 3.10.10.2 Dormer windows
- 3.10.10.3 Gutter heaters
- 3.10.10.4 Foul-air pipe domes
- 3.10.10.5 Gutter irons and accessories
- 3.10.10.6 Snow grilles
- 3.10.10.7 Wall fillets

Ventilation and air-conditioning technology

Residential ventilation and ventilation systems for non-residential buildings

Systems and components for residential and non-residential ventilation

- 4.1.1.1 W.C. ventilating installations
- 4.1.1.2 Complete systems for controlled residential ventilation without heat recovery
- 4.1.1.3 Complete systems for controlled residential ventilation with heat recovery
- 4.1.1.4 Industrial ventilation
- 4.1.1.5 Smoke extraction systems
- 4.1.1.6 Warm air heaters (gas, oil, electric)
- 4.1.1.7 Components
- 4.1.1.8 Central units with air intake and air extraction
- 4.1.1.9 Central units with air extraction
- 4.1.1.10 Central units with water heating
- 4.1.1.11 Fresh air and waste air systems (decentralised)
- 4.1.1.12 Heat recovery
- 4.1.1.13 Heat pumps
- 4.1.1.14 Earth heat exchangers and accessories
- 4.1.1.15 Air filters
- 4.1.1.16 Fans
- 4.1.1.17 Sound attenuators
- 4.1.1.18 Air ducts and accessories
- 4.1.1.19 Air passages

Components for air-conditioning piping and distribution systems

- 4.1.2.1 Pipes, ducts and fittings
- 4.1.2.2 Damper actuators
- 4.1.2.3 Flow control systems
- 4.1.2.4 Mixer boxes, pressure release boxes
- 4.1.2.5 Fire dampers and valves
- 4.1.2.6 Smoke dampers and valves
- 4.1.2.7 Sound attenuators
- 4.1.2.8 Air passages
- 4.1.2.9 Induction devices
- 4.1.2.10 Fan convectors
- 4.1.2.11 Ventilation hoods

- 4.1.2.12 Ventilation hoods for canteen kitchens
- 4.1.2.13 Ventilated kitchen ceilings
- 4.1.2.14 Kitchen ventilating appliances
- 4.1.2.15 Exhaust air and supply air shafts/towers
- 4.1.2.16 Actuators
- 4.1.2.17 Accessories for air duct systems

Central air-conditioning units

- 4.1.3.1 Ventilation equipment
- 4.1.3.2 Hygienic units

Decentralised ventilation equipment

- 4.1.4.1 Decentralised ventilation equipment with heat recovery
- 4.1.4.2 Decentralised ventilation equipment without heat recovery

Fans

- 4.1.5.1 Axial fans
- 4.1.5.2 Radial fans
- 4.1.5.3 Cross-flow fans
- 4.1.5.4 Plastic fans
- 4.1.5.5 Roof fans
- 4.1.5.6 Wall fans
- 4.1.5.7 Fire gas fans / smoke removal fans
- 4.1.5.8 Explosion-proof fans

Heat exchangers for ventilation systems

- 4.1.6.1 Air heaters
- 4.1.6.2 Air coolers

Heat recovery systems for ventilation systems

- 4.1.7.1 Recuperative systems
- 4.1.7.2 Regenerative systems
- 4.1.7.3 Heat pump systems

Air filters for ventilation systems

- 4.1.8.1 Coarse and fine dust filters
- 4.1.8.2 Suspended particle filters
- 4.1.8.3 Adsorption air filters
- 4.1.8.4 Other filters

Free ventilation systems

- 4.1.9.1 Climate facades
- 4.1.9.2 Façade ventilation
- 4.1.9.3 Window technology

Extractor systems

- 4.1.10.1 Central vacuum cleaners, suction nozzles, cleaning sets

Air conditioning

Air humidifiers

- 4.2.1.1 Evaporation humidifiers
- 4.2.1.2 Nebulising humidifiers
- 4.2.1.3 Gas-fired humidifiers
- 4.2.1.4 Steam diffuser systems for non-pressure steam generators
- 4.2.1.5 Steam diffuser systems for pressure-operated steam generators

Air dehumidifiers

- 4.2.2.1 Adsorptive dehumidifiers
- 4.2.2.2 Other dehumidifiers

Special components and equipment

- 4.2.3.1 Air humidifying and dehumidifying equipment
- 4.2.3.2 Air sterilisers

- 4.2.3.3 Air heating equipment
- 4.2.3.4 Air coolers
- 4.2.3.5 Hot air curtains
- 4.2.3.6 Filter fan modules
- 4.2.3.7 Climatic chamber equipment
- 4.2.3.8 Precision air-conditioning equipment
- 4.2.3.9 Extractor systems for workplaces
- 4.2.3.10 Other air treatment equipment

Air-conditioning equipment

- 4.2.4.1 Room air conditioners (mobile)
- 4.2.4.2 Compact devices
- 4.2.4.3 Split / multi-split devices
- 4.2.4.4 VRF systems
- 4.2.4.5 Air conditioning cabinets / packaged units
- 4.2.4.6 Water coolers
- 4.2.4.7 Fan coils
- 4.2.4.8 Air-conditioning equipment with integrated heat generation and/or refrigeration

Climate control systems for geothermal and atmospheric energy sources

- 4.2.5.1 Air-conditioning systems with free recooling

Components for building climate control systems

- 4.2.6.1 Hydronic radiant cooling
- 4.2.6.2 Underfloor cooling systems
- 4.2.6.3 Wall cooling systems
- 4.2.6.4 Component cooling and heating systems
- 4.2.6.5 Chilled beams, cooling baffles, cooling fins

Total systems for ventilation and air conditioning

Total systems for particular applications / industries

- 4.3.1.1 Fire protection / smoke removal systems
- 4.3.1.2 Clean rooms
- 4.3.1.3 Offices, hotels, restaurants
- 4.3.1.4 Public buildings, museums
- 4.3.1.5 Garages
- 4.3.1.6 Kitchens
- 4.3.1.7 Hospitals
- 4.3.1.8 Swimming pools / sports facilities
- 4.3.1.9 Metal producing and metalworking industries
- 4.3.1.10 Mechanical engineering industry
- 4.3.1.11 Chemical and pharmaceutical industries
- 4.3.1.12 Food industry
- 4.3.1.13 Wood, paper and printing industries

Refrigeration

Refrigerating machines and refrigerating systems

- 4.4.1.1 Condensing units
- 4.4.1.2 Chillers
- 4.4.1.3 Heat pumps
- 4.4.1.4 Refrigerating machines with water as a refrigerant
- 4.4.1.5 Other refrigerating machines

Refrigerating equipment and refrigerating systems

- 4.4.2.1 Refrigerating equipment and refrigerating systems for industrial applications
- 4.4.2.2 Refrigerating equipment and refrigerating systems for commercial applications
- 4.4.2.3 Refrigerating equipment and refrigerating systems for comfort applications
- 4.4.2.4 Refrigerating equipment and refrigerating systems for process cooling
- 4.4.2.5 Mobile refrigerating equipment / refrigerating systems

Components for refrigerating systems

- 4.4.3.1 Heat exchanger
- 4.4.3.2 Evaporators
- 4.4.3.3 Condensers
- 4.4.3.4 Refrigerants
- 4.4.3.5 Other components for refrigerating machines and refrigerating systems

Electric energy technology

Electrical generating systems

Photovoltaics

- 5.1.1.1 Photovoltaic systems
- 5.1.1.2 Thin-film photovoltaic modules
- 5.1.1.3 Photovoltaic modules with thick-film cells
- 5.1.1.4 Frameless photovoltaic modules
- 5.1.1.5 Combination collectors for photovoltaics and solar heating and cooling
- 5.1.1.6 Photovoltaic inverters
- 5.1.1.7 Installation systems for photovoltaic equipment
- 5.1.1.8 Charging stations
- 5.1.1.9 Accessories for photovoltaic systems

Storage systems for electrical energy

Thermal energy storage systems

- 5.2.1.1 Sensible heat storage tanks with hot and cold fluids
- 5.2.1.2 Latent heat storage tanks
- 5.2.1.3 Sorption heat storage systems
- 5.2.1.4 Thermochemical energy storage systems
- 5.2.1.5 Other thermal storage systems

Electrical energy storage systems

- 5.2.2.1 Capacitors
- 5.2.2.2 Superconducting magnetic energy storage systems
- 5.2.2.3 Other electrical energy storage systems

Electrochemical energy storage systems

- 5.2.3.1 Lead-acid batteries
- 5.2.3.2 Nickel-cadmium batteries
- 5.2.3.3 Nickel-metal hydride batteries
- 5.2.3.4 Lithium-ion batteries

- 5.2.3.5 Sodium-nickel-chloride batteries
- 5.2.3.6 Sodium-sulphur batteries
- 5.2.3.7 Redox flow batteries
- 5.2.3.8 Other electrochemical energy storage systems

Battery storage systems

- 5.2.4.1 Battery storage systems for detached houses
- 5.2.4.2 Battery storage systems for apartment buildings
- 5.2.4.3 Battery storage systems for connection to distribution grids
- 5.2.4.4 Off-grid systems
- 5.2.4.5 Mobile storage systems
- 5.2.4.6 Other battery storage systems

Chemical energy storage systems

- 5.2.5.1 Hydrogen generation (electrolysis)
- 5.2.5.2 Compressed hydrogen storage
- 5.2.5.3 Liquid hydrogen storage
- 5.2.5.4 Hydride storage of hydrogen
- 5.2.5.5 Feeding of hydrogen into the gas network
- 5.2.5.6 Reconversion into electricity (gas engine, turbine)
- 5.2.5.7 Hydrogen to methane (gaseous)
- 5.2.5.8 Hydrogen to methanol (liquid)
- 5.2.5.9 Fuel cells
- 5.2.5.10 Other chemical storage systems

Mechanical energy storage systems

- 5.2.6.1 Compressed air energy storage
- 5.2.6.2 Other mechanical energy storage systems

Manufacturing of energy storage systems

- 5.2.7.1 Battery manufacturing
- 5.2.7.2 Fuel cell manufacturing
- 5.2.7.3 Electrolysis processes
- 5.2.7.4 Components and materials
- 5.2.7.5 Other manufacturing technologies

Working equipment and services

Services

Services for oil and gas storage

- 6.1.1.1 Interior protection for tanks

Services for ventilation and air-conditioning systems

- 6.1.2.1 Energy inspection, hygiene inspection
- 6.1.2.2 Maintenance
- 6.1.2.3 Air duct cleaning
- 6.1.2.4 Remote system surveillance

Special services

- 6.1.3.1 Services for the sanitary and HVA trade
- 6.1.3.2 Internet services
- 6.1.3.3 Heat cost accounting
- 6.1.3.4 Certification of products and services

Shop fittings, workshop installations and service vehicles

Shop fittings

- 6.2.1.1 Shop fittings

Workshop equipment

- 6.2.2.1 Workshop installations
- 6.2.2.2 Fire extinguishers
- 6.2.2.3 Installation prefabrication
- 6.2.2.4 Ladders
- 6.2.2.5 Shelves
- 6.2.2.6 Scaffolding
- 6.2.2.7 Welding extraction devices
- 6.2.2.8 Vacuum cleaning systems
- 6.2.2.9 Other instruments and equipment

Service vehicles and service vehicle installations

- 6.2.3.1 Service and workshop vehicles
- 6.2.3.2 Service and workshop vehicle equipment
- 6.2.3.3 Vehicle attachments and extensions
- 6.2.3.4 Trailers for craftsmen and tradesmen

Machines, tools and auxiliary equipment

Machines for stove construction

- 6.3.1.1 Machine tools for stove and chimney tiles

Machines for working metal panels / plumbers tools

- 6.3.2.1 Cant-off machines
- 6.3.2.2 Flanging machines
- 6.3.2.3 Folding machines
- 6.3.2.4 Profile forming machines
- 6.3.2.5 Punching and cutting machines
- 6.3.2.6 Plate shears
- 6.3.2.7 Other machines
- 6.3.2.8 Electric hand plate shears
- 6.3.2.9 Roll groove machines

Machines and tools for pipework installation

- 6.3.3.1 Fitting tools
- 6.3.3.2 Diestocks and screwing dies
- 6.3.3.3 Tapping and threading machines
- 6.3.3.4 Deburring tools
- 6.3.3.5 Plastic piping welding machines
- 6.3.3.6 Pipeline testers
- 6.3.3.7 Pipe cutters
- 6.3.3.8 Pipe bending machines
- 6.3.3.9 Pipe cleaning tools
- 6.3.3.10 Mechanical pipe saws
- 6.3.3.11 Pipe cutting machines
- 6.3.3.12 Pipe spanners and wrenches
- 6.3.3.13 Pipe laying tools and machines
- 6.3.3.14 Washing apparatus for drinking water pipes
- 6.3.3.15 Washing apparatus for sewage pipes
- 6.3.3.16 Press equipment and press jaws
- 6.3.3.17 Powered stair climbers

Tools

- 6.3.4.1 Fastening tools and fasteners
- 6.3.4.2 Percussion drills
- 6.3.4.3 Drilling machines
- 6.3.4.4 Air tools
- 6.3.4.5 Soldering equipment and accessories
- 6.3.4.6 Masonry milling cutters
- 6.3.4.7 Measuring equipment
- 6.3.4.8 Assembly and erection equipment
- 6.3.4.9 Repair sets (ceramic, enamel, etc.)
- 6.3.4.10 Pipe freezing equipment
- 6.3.4.11 Impact tools
- 6.3.4.12 Cutting tools
- 6.3.4.13 Welding and cutting equipment
- 6.3.4.14 Clinching equipment
- 6.3.4.15 Tool boxes
- 6.3.4.16 Vacuum cleaners
- 6.3.4.17 Dust protection devices
- 6.3.4.18 Measuring instruments for thermography
- 6.3.4.19 Instruments and equipment for blower doors
- 6.3.4.20 Plate making equipment
- 6.3.4.21 Other tools

Auxiliary agents

- 6.3.5.1 Agents for tapping and screwing
- 6.3.5.2 Pipe cleaning agents
- 6.3.5.3 Oil absorbents
- 6.3.5.4 W.C. clearing and cleansing materials

Clothing and safety equipment

- 6.3.6.1 Work clothes / protective clothing

Test, evaluation and measuring equipment

Test equipment

- 6.4.1.1 Water testers

Data processing systems and software

Data processing systems

- 6.5.1.1 Data processing systems / hardware

Software

- 6.5.2.1 Application software for building instrumentation and control technology
- 6.5.2.2 Software for business/commercial applications
- 6.5.2.3 Software for heating, sanitation, ventilation and air-conditioning technology as well as CAD

Industrial institutions and specialist publishers

Industrial institutions and specialist literature

- 6.6.1.1 Organizations, associations, institutions
- 6.6.1.2 Technical books
- 6.6.1.3 Technical periodicals



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