CS1400
CONSUMABLES FOR REFREGERATION AND AIR CONDITIONING
Assembling practice, servicing and maintenance on a refrigeration and air conditioning circuits require several consumable materials that allow students in the workshop to carry on exercises after the first supplying.

We present some of the main consumables, necessary for the exercises:

- Copper tubes
- Fittings
- Rods for welding
- Wires and cables
- Fluxes
SOFT COPPER TUBE

High plasticity soft copper.
Supplied in rolls.
It can be cold straightened, moulded according to requirements and curved with suitable rolls by hand.
Available in different sizes.
For further information please ask for the relevant Technical Description.

Code: CS1400/W81/001 SERIES

CAPILLARY COPPER TUBE

High plasticity soft copper. Supplied in rolls. It can be cold straightened, moulded according to requirements and curved by hand.
Available in different calibrated internal diameter.
For further information please ask for the relevant Technical Description.

Code: CS1400/W81/002 SERIES

FLARE BRASS FITTINGS

Brass made - flare connection.
For pipes interconnections.
Available versions cover a wide range of SAE threading size.
Options available: •Flare nuts; •Blind nuts; •Nipples; •Reducing nipples; •Male unions; •Reducing male unions; •Elbows; •T" fittings; •Reducing fittings; •Cylinder connection tank union; •Refrigerant distributor; •Gauge adapter distributor
For further information please ask for the relevant Technical Description.

Code: CS1400/W10/001 SERIES

SOLDER COPPER FITTINGS

Brazing copper fittings suitable for refrigeration, air conditioning, heating and hydraulic plant realization.
Available for female or male connection in the following types: elbow or bend 90°, 45°, or 180° type, coupling, reducing coupling and tee fittings.
For further information please ask for the relevant Technical Description.

Code: CS1400/W10/002 SERIES
FILLER WIRES AND RODS FOR WELDING PROCESS

Filler wires and rods for welding mild, medium tensile steel and high resistant steel. The range comprises aluminium alloy, copper alloy, silver alloy, tin alloy, stainless steel alloy etc. Suitable for oxyacetylene welding, TIG and MIG processes or brazing etc.

Options available: • Aluminium alloys rods and wires, suitable for welding aluminium plates, castings, alloys and for oxyacetylene welding, TIG and MIG; • Copper alloys rods and wires, suitable for brazing ferrous alloys, copper, brass, bronze steel and oxyacetylene brazing MIG and MG; • Tin alloy rods and wires, suitable for soft soldering and brazing with melting temperature; • Silver alloys rods and wires for brazing copper alloys, steels, nickels and nickel-alloys. • Stainless-steel and nickel alloys rods and wires for welding high resistant steels and for TIG, MIG and submerged arc welding process; • Ferrous alloys rods and wires made in low-carbon steel, low-alloy steel or silicon cast iron for welding. In particular applications such as steam boiler, pressure vessels, pipelines or cementation steel.

Suitable for oxyacetylene welding, TIG and MIG.

For further information please ask for the relevant Technical Description.

Code: CS1411/W47/003 SERIES

FLUXES FOR BRAZING AND WELDING JOBS

Versions available cover a wide range of types. They are supplied in boxes, tanks, parks or bottles.

Options available include:
- Powder flux for silver alloy, bronze, and other alloys.
- Picking agent, and desolder braid.
- Submerged arc flux and liquid flux for tin alloy.

For further information please ask for the relevant Technical Description.

Code: CS1411/W60/001 SERIES

ELECTRODES FOR WELDING

Welding electrodes are available with different coating materials and the most used are acid, basic, neutral, cellulose, rutile, rutile-cellulose or ferrous powder.

Electrode coating changes mechanical characteristics, field of application and the value of welding current.

Options available include steel, stainless steel, cast iron, and aluminium, arc welding electrode.

For further information please ask for the relevant Technical Description.

Code: CS1411/W47/002 SERIES
**Consumables**

**PIPING-HEATING CABLE**
Special heating resistor designed for freezing pipes protection and soft heating use. Manufactured in a flat cable shape with internal semiconductive polymer filling that varies the electric conductivity according to the temperature variations.

The cable can be cut out of the desired length.

Versions cover different specific power values (from 10 W/m to 50 W/m).

For further information please ask for the relevant Technical Description.

Code: **CS14UNW15001 SERIES**

**WIRES AND CABLES - DIFFERENT SIZES AND COLOURS**
The following types of cables are supplied in rolls of 100 m for each size or colour with wires and cables identified with number of conductors by square section in square millimeter and colour.

Options available:
- Copper wire (H05V-K) PVC insulated-rated voltage from 300 to 500 V;
- Non propagating fire cables (N07V-K) PVC insulated-rated voltage from 450 to 750 V;
- Non programming fire cables (NP07VV-F) PVC insulated-rated voltage from 300 to 500 V;
- Cables PVC insulated (FR OR);
- Flexible cables (CH05VVF) PVC insulated, available with 2, 3, 4 and 5 conductors in different sizes;
- Flexible intercom cable.

Code: **CS14UNW15002 SERIES**

**COPPER WIRES ENAMELLED**
Available in different diameters according to the international standard sizes.

Grade 1 and Grade 2 for winding of motors, transformers or other electrical equipment.

For further information please ask for the relevant Technical Description.

Code: **CS14UNW15003 SERIES**

**CONSUMABLES FOR RIVETTING TOOLS**
Rivets for clamping purpose suitable in a wide range of different industrial applications like car body repair, duct assembly, sheet metal works etc.

Versions available cover a wide range of different rivet dimensions and material.

Options available:
- Aluminium rivets.
- Steel rivets.

For further information please ask for the relevant Technical Description.

Code: **CS14UNW15003 SERIES**
**GRINDING DISKS FOR FERROUS METALS**

Depressed centre grinding disks for portable grinding machine suitable for all ferrous metals.

Grinding disks are available in various dimensions and in different operation speeds.

For further information please ask for the relevant Technical Description.

Code: CS14/UN/34/006 SERIES

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**CABLE TERMINAL ASSORTMENTS**

Various assortment available including, according to the version chosen:

- Eyelet terminals insulated;
- Eyelet terminals, not insulated;
- Cable tips, insulated;
- Cable tips, not insulated;
- Female plugs, insulated;
- Female plugs, not insulated;
- Spade plugs;
- Male plugs;
- Terminal connectors.

Crimping plier for various crimping size included in same assortment.

Code: AC11/UN/18/008 SERIES