

Ultrasonic Tube Sealing

URV 20

System for copper pipe fast sealing with ultrasonic technology

URV-20

The ultrasonic tube sealer URV-20 series represents a radical new design for industrial tube sealers and is equipped with several innovative features, based on the experience of engineers and the manufacturing know-how of machine users all over the world.

The URV-20 series provides unique performance at extremely compact dimensions and low weight.

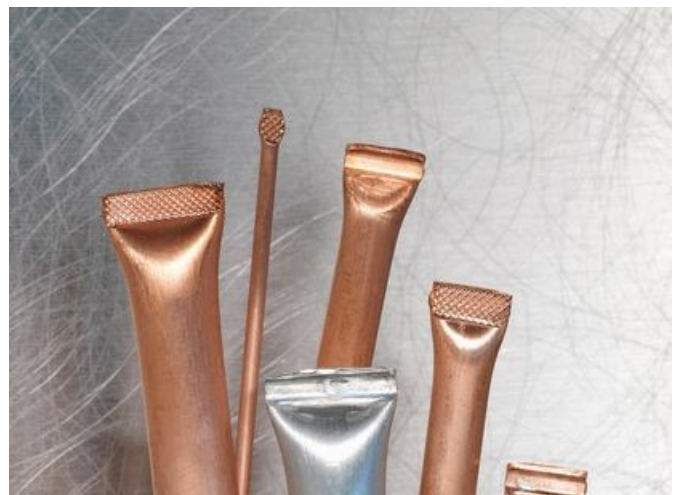
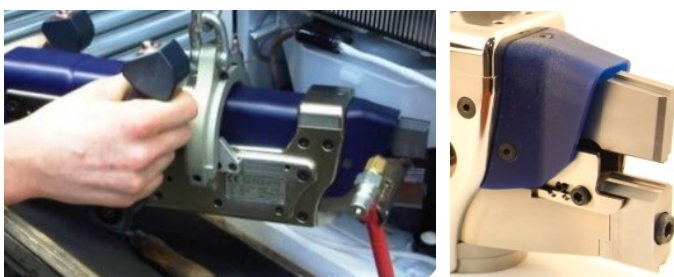
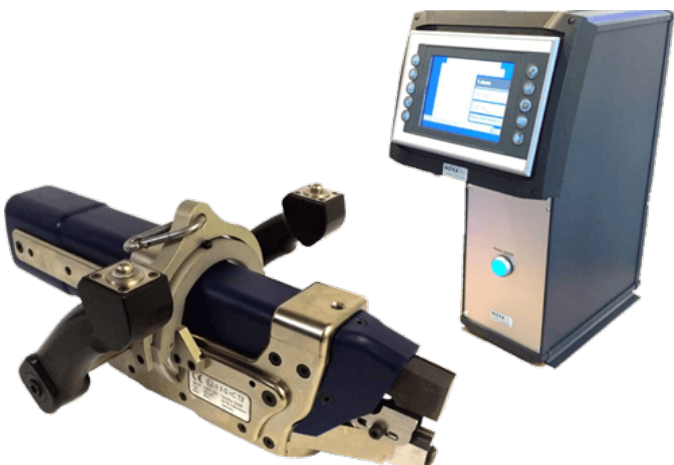
A particular focus throughout the design phase has been put on the ergonomics, to allow the worker to handle the machine in an effortless and more convenient way. Thus, all handling and activation features are designed according to the latest standards of industrial requirements.

Applications:

- Gas-tight sealing with simultaneous cutting of Copper service pipes up to ½" or 12mm outer diameter
- Used for refrigerators or air-conditioners to seal and cut the compressor and dryer filter service pipe after filling the unit with coolant
- Up to 3500 gas-tight welding/cuttings per shift

Benefits:

- Smallest and lightest machine (only 7kg) on the market with extremely compact design. This allows welding even in confined spaces
- Consistent good welding results, even when the tube quality changes Especially useful when the copper pipes are made with hard material or the copper material is not perfectly clean and free of oxides
- Precise power graph for process control at a glance
- Lowest maintenance requirements

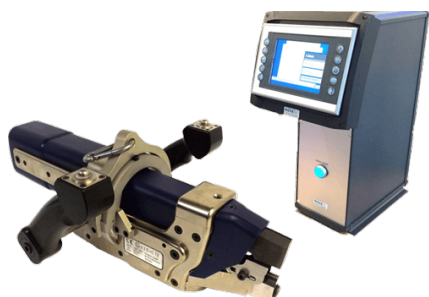




Technical Characteristics URV 20

Weight of the machine	7Kg
Weight of the 360° suspension	1 kg
Weight of the generator	18 kg
Weight of the connecting cable	~ 3 kg
Gross weight including packing	~ 35 kg
Compressed air pressure	5,5 bar (recommended 6 bar filtered and no lubricated)
Voltage Supply	230V +/-5% (single phase + GND) @50/60 Hz
Booster - Converter frequency	20 kHz
Power consumption	2,2 kW peak
Typical welding time	below 1 second

URV-20 ULTRASONIC TUBE COMPRESSOR



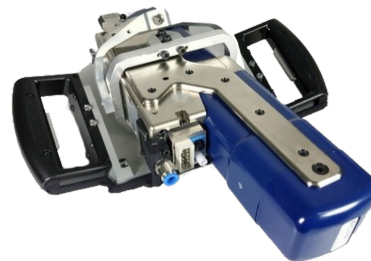
URV-20 WITH 360° SUSPENSION



URV-20 WITH 3D SUSPENSION



URV-20 WITH HORIZONTAL SUSPENSION



Optional features and devices

Atex version for Fridges charged with Flammable Gas
3-D suspension
360° suspension
Horizontal suspension
Light pointer on the welding area

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging Injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers

IPCS & IPCS PLUS