

# OTHERS

## Hot Air Welding Unit for Thermoplastics

### NS-300



The New Super 300 is used for the welding of thermoplastics and similar materials providing increased efficiency.

- Features a non-lubricating rotary blower
- Compact and easy-to-carry
- Includes the light-weight and easy-to-hold FL welding gun
- High temperature parts utilizes stainless steel webbing

#### ■ Features

- Good for continuous work over extended time.
- The use of a condenser motor and no starting switch means fewer failures and longer product life.
- Because no lubricant is required, maintenance is easy and no oil is contained in hot air.
- Stainless steel is used in high-temperature areas of the light-weight welding gun to withstand long-term use. (FL gun comes standard-equipped)
- The motor, rotary blower, transformer and switchboard all fit in the compact main unit, making transportation easy.
- The gun grip that isolates the FL gun's body pipe from the air cock prevents the user from receiving electric shock from the air cock at hand.
- Used in the following industries and more:  
Plastic processing, water-service works, pipe works, water-supply and wastewater pipe processing, sheet metal works, building works, vehicle manufacturing, shipbuilding, electric works, vehicle interior processing, ship interior processing, store interior processing
- Usage examples include:  
Welding, processing and repairing various PVC materials, fabricating various containers such as box-shaped tanks, plumbing, and fabricating duct-lining, modified joints, plastic displays and signboards

#### Standard FL Gun



The NS hot air welding unit comes standard equipped with the FL gun. Air produced by an electric rotary blower inside the NS-300 is heated to a temperature sufficient for welding by a heating element in the interior of the FL gun. Welding is done by then directing the super-heated air at a ratio of 30 - 40% welding rod to 60 - 70% work piece. Once the welding rod begins to melt, push it back slowly and continue to weld.

#### Optional RL Gun



As in the FL gun, air produced by an electric rotary blower inside the NS-300 is heated to a temperature sufficient for welding by a heating element in the interior of RL gun. Its applications are the interior welding work associated with making boxes, doing corners, duct lining, or any work that requires you work in narrow places without much room to move your hands. With the RL gun it is also possible to attach the special high-speed nozzles (optional). Please note these cannot be attached to the FL gun. These high-speed nozzles allow work to progress faster and with a cleaner finish than the standard nozzle attached to the FL gun. The temporary welding nozzle may also be attached to the RL gun.

#### High Speed Nozzle (Optional)



High-speed 3mm:  
single nozzle



High-speed 3mm:  
double nozzle



Temporary welding  
nozzle

#### ■ Specification

Model	Voltage (V)	Power (W)	Dimension W x L x H(mm)	Weight (kg)
NS-300	110/220/230	260	275 x 138 x 196	9.8
FL gun	100	600	182 x 200 x 38	0.6
RL gun	100	600	320 x 60 x 60	0.6

#### Rotary Blower

Electric motor	Single-phase condenser motor, bipolar 3,000 - 3,600 rpm
Air pressure	0.029 MPa 50L/min
Max air temperature	300°C (10mm from the nozzle tip)
Temperature adjustment	Output voltage adjustable in 7 steps (40 - 100V)
Blower features	Oil-less type, utilizes 4 special heat-resistant lubricated vanes