

# USER'S GUIDE

FOR PASTA COOKER SERIALS



## SPECIFICATION

NAME OF APPLIANCE	SUPERTRON COMMERCIAL PASTA COOKER
MODEL NO.	NC-400, NC-800, NC-1200
MANUFACTURED BY	TU'S BROS PTY LTD 77 MAIN ROAD, CLAYTON SOUTH VIC 3169 AUSTRALIA
CERTIFICATE NO.	6293

### General Description

Heavy Duty Commercial Noodle/Pasta Cooker manufactured in stainless steel outer panels with stainless steel pan, in single, double or triple units. Heating of the unit is by means of duck bill burners mounted on a cast 'U' shape manifold. The burner is located beneath the fry pan. The fryer has a deep cool zone and comes equipped with complete flame failure and over temperature cut out. The temperature of the water is thermostatically controlled. The splashback incorporates the flue system from the combustion chamber. The flue outlet at the top of splashback deflects the products of combustion from the rear walls. The outer panels are attached to a square sub frame which is rust proofed.

Exterior Panels	304-N4x1.2mm stainless steel
Sub Frame	20x20x1.2 square tube
Fry Pan	2.0mm stainless steel
Rear Panel	1.2mm aluminised steel
Insulation	Fibre Millboard incapsulated within a metal casing
Heating of Unit	Is by means of individual duck bill burners. The burners are mounted onto a cast 'U' form manifold 40mmx40mmx3mm Square section. Overall length 405mmx160mm centres. Duck Bill 45mm centres.
Number of Duck Bill Burners	16x0.90mm orifice N.G. 16x0.65mm orifice LPG
Primary Aeration Fixed	Ø6mmx8mm up from should of thread.
Burner Supports	Provided by 25mmx25mm angle iron welded to main frame.
Vessel Clearance	Highest sloping point of pan from top of cast manifold 300mm
Fluing	2x70x70 holes from combustion chamber into a rectangular vertical rising flue 50mmx300mm
Overall Dimensions	
Height over splashback	1130mm
Width	400mm (NC-400), 800mm (NC-800), 1200mm (NC-1200)
Depth (front to back)	790mm
Working Height	900mm
Leg Height	150mm
Gas Inlet	A ¾" B.S.P connection is provided for each pan. 276mm above floor x 90mm from left hand side
Gas Regulator	Within Nova 820 M.V. Combination Control
Thermostat	S.I.T. Nova 820 M.V. thermostatically operated combination control Approval No. 4032. Thermostat E.G.O. Model 55/130/42 Range 110 <sup>0</sup> C, Approval No. 4270.
Oil Drain Valve	1" B.S.P (25mm)
Depth of Cool Well	270mm
Width of Cool Well	92mm
Operating Oil Level from Top of Pan	80mm
Thermostat Capillary Location	(Bulb) 210mm from top of pan ledge x 50mm centres
Burner Location	400mm above floor
Fry Pan Dimensions	
Front to Back	534mm

Depth	510mm		
Width	405mm (NC-400), 805mm (NC-800), 1205mm (NC-1200)		
Nominal Hourly Consumption	Gas	NG: 90MJ per Pan	LPG: 85MJ per Pan
Test Point Pressure		NG: 1 KPa	LPG: 2.75 KPa
Flue size	From combustion chamber vertical riser into splashback outlet 420mm x50mm		
Splashback	250mm (H) x 90mm (W)		
Burner Ignition By	Hi Tension Spark Igniter incorporated within the thermostat. Pilot light mounted adjacent to the left front duck bill burner with a fast cut out thermocouple in conjunction with the flame failure control		
Floor Protection	Is by means of a 1.2 mm aluminized heat shield mounted off the base of the angle iron frame. 100mm x 400mm x 460mm front to back (H x W x D). Located against flue end of appliance.		

### **INSTALLATION INSTRUCTIONS**

(By Authorised Personnel Only)

Gas point entry is 276mm above floor and located at the left side of the unit. A 20mm 3/4" BSP regulator is supplied with each pan.

The installer is to supply and fit an isolating gas cock to the appliance for ease of servicing the control system. N.B. Double and Triple units have separate inlet to each control and must have a separate gas cock.

The installer must install the appliance to AG601, 1995 Sections 5-12-4.5 and in accordance with local gas and water regulations. Clearances from combustible walls sides – left and right 50mm. Rear wall 50mm and must be installed on a fire proof base. Unit may be installed against fire proof walls. Refer installer instructions for special instructions for this type of installation.

#### **ADDENDA**

“The installer must install the appliance to AG601, 1995 Section 5.12.4 and in accordance to local regulations, attention must be give to Section 5.12.4.4 and 5.12.4.5.

5.12.4.6 Commercial catering equipment on combustible surface, where equipment is installed on a combustible surface it shall be protected by fire resistant material.

Fire resistant material specifications where appliances are to be installed in non combustible area, the installer must refer to AG601 and ensure the following side walls and bare walls have materials to the specifications referring to standards A-S 1530.1 to be deemed not combustible and A-S 1530.3 have a zero (0) index for all of the following:

1. Ignitability
2. Spread of flame
3. Heat evolved
4. Smoke developed

**N.B.** The thermal resistance not less than 0.05 M2<sup>0</sup> c/w but in no instance shall the material be of a thickness less than 6mm.”

All models have a 20mm 3/4" BSP socket gas point or compression inlet.

The appliance must be installed as set out in the specifications i.e. Natural gas operating test point pressure 1 KPa.

Before leaving installation, check all gas and water fittings for leaks, and instruct operator in lighting and use of appliance. N.B. This appliance must always be mounted on 320mm legs as supplied.

If unit fails to operate, please contact local distributor or call manufacturer on Phone: (613) 9543 9577 Fax: (613) 9544 1487.

## **OPERATING AND MAINTENANCE INSTRUCTIONS, SERVICE**

The pan features a centre cool zone and crumb trap. A drain-off valve is provided.

Heating of the fryer is by means of duck bill burners of high quality material with ports drawing in secondary air through the centre.

The unit incorporates complete flame failure, safety and temperature control by a thermostat operation. A manual reset over temperature device is provided mounted on the frame adjacent to the burner, that should the thermostat fail, the gas is automatically turned off to the pilot system.

### **Lighting Procedure for NG & LPG Units:**

1. Interior of pan to contain enough water to cover the thermostat bulb, to prevent overheating on burner ignition.
2. Turn thermostat to the OFF position.
3. Open main gas cock.
4. Press knob & turn anti-clockwise to lighting position (marked with a yellow embossing) and light pilot head adjacent to the burner. Press in piezo button for spark to light pilot.

**Note:** On new installations this procedure may need to be repeated 2 or 3 times to allow dispersing of air trapped in gas line to unit. Normal time - approx. 15 seconds.

5. Press in knob and turn slowly to high flame position for fast heat up, and then back to the temperature required by setting of thermostat on control panel.
6. The main burner can now be turned either completely on or off by means of the thermostat knob.

**Note:** Pilot burner will not be affected.

7. If piezo lighting is not work, manual light can be used.

### **Turning OFF Procedure:**

1. Turn thermostat to off. This closes the gas-way to the burner and also closes off the gas-way to the pilot. Turn main valve off.
2. The gas-way remains locked down by means of an Interlock device.

### **Thermostat Operation**

The thermostat is adjusted so that when the temperature of the water reaches the thermostat dial setting the burner shuts off automatically and comes on again upon cooling, to maintain the temperature required.

**Note:** For normal operation the thermostat dial can be used for the ON or OFF of the gas supply to the burner.

Turn off at gas cock on appliance when appliance not required for use for long periods.

### **Pan Draining**

A drain valve is located at the base of the cool zone and opening and closing of the valve is by means of a handle located on the front of the units, behind access door.

## **SERVICING**

(Must only be carried out by Authorised Personnel)

### **Thermostat Re-Calibration – for NG & LPG**

1. Set temperature to 149<sup>0</sup>C.
2. Remove thermostat dial from control by simply pulling forward.

3. Adjust thermostat within control.
4. Contact Manufacturer for Servicing of Combination Control and Thermostat if unable to set controls. Otherwise warranty may be void. Phone (03) 9543 9577 or Fax (03) 9544 1487 for assistance.

**DIAGRAM**

