

## Bench Spot Welders • 16-25 kVA

2101 • 2103

### Industrial Line



## Key Features

- Built-in compressed air filter unit and tank
- Lubrication free pneumatic components to eliminate oil mist and to protect the environment
- Chrome plated cylinder and stem for heavy duty works and long life; adjustable anti-rotation device
- Water cooled transformers, plates, electrode holders and electrodes; transformers with epoxy resin coated windings
- Items 2101 and 2103: TE550 constant current microprocessor control unit features:
  - Phase shift welding current adjustment
  - Synchronous SCR contactor insulated from cooling water circuit with protection thermostat
- Items 2102: TE101 microprocessor control unit features:
  - Phase shift welding current adjustment
  - Synchronous SCR contactor insulated from cooling water circuit with protection thermostat
- Two stage electric foot control for clamping the welding pieces in the correct position prior to welding
- Pre-setting for two hand safety control with timer for optimum safety protection. Removable key selector (only on items 2102 and 2103)

Order Code		2101	2102	2103
Control unit		TE550	TE101	TE550
Nominal power @ 50%	kVA	16	20	25
Maximum welding power	kVA	47	62	84
Short circuit current	kA	16.5	19	22
Maximum welding current on aluminium	kA	15	17.4	20
Maximum welding current on steel	kA	13.2	15.2	17.6
Thermal current 100%	A	3300	3500	3800
No load secondary voltage	V	1.7	-	-
		3.4	4	4.6
Supply voltage 50Hz *	V	400	400	400
Cables section L=30m	mm <sup>2</sup>	10	16	16
Delayed fuses	A	32	40	50
Arms gap	mm	118	118	118
Depth L	mm	160	160	160
Max. electrode force (@ 6 bar)	daN	187	187	187
Maximum stroke	mm	50	50	50
Air consumption for 1000 spots (6 bar)	bar	6.5	6.5	6.5
Stroke 20mm	Nm <sup>3</sup>	1.5	1.5	1.5
Max. stroke	Nm <sup>3</sup>	2.2	2.2	2.2
Air supply hose	mm	8	8	8
Water cooling	l/min	2.3	2.7	3
Aerial noise produced	dB(A)	68	69	71
<b>Measure conditions</b>				
Working stroke	mm	20	20	20
Welding time	cycles	11	7	6
Welding current	kA	13	14	16.5
Working rating in welds/min		15	15	15
Net weight (approximately)	Kg	76	81	86

\*Different voltages and frequencies on request  
Specifications subject to change without notice