

SPECIFICATIONS OF HIGH FREQUENCY PRE-HEATERS

MODELS	ROLLER ELECTRODE TYPE			FLAT ELECTRODE TYPE			COMMON SPECIFICATIONS	
	IMC-PH3R-V3	IMC-PH5R-V3	IMC-PH7R-V3	IMC-PH3F-V3	IMC-PH5F-V3	IMC-PH7F-V3		
H.F OUTPUT	3KW	5KW	7KW	3KW	5KW	7KW	HOOD DRIVE	BRAKE MOTOR WITH CRANK (Positioned by Optical Sensor)
POWER SOURCE	3-Phase 50/60Hz, Selectable one of 200 to 480 Volts						CABINET SHIELD	Shielding strips & Direct grounding circuit
MAX POWER INPUT (200V)	7KVA, 30A	11KVA, 35A	14KVA, 45A	7KVA, 30A	11KVA, 35A	14KVA, 45A	CONTROL	PLC (AC 24V) & Relays (AC 100V)
BASIC FREQUENCY	73±2MHz			63±2MHz			SWITCHES	Main N.F.B, Sub N.F.B, Start & Stop buttons, High Tension=ON·OFF
ELECTRON TUBE	7T85RB	7T69RB	7T69RB	7T85RB	7T69RB	7T69RB	Ammeters	Dual Ammeter (Anode & Grid)
TUBE COOLING	AIR COOLING BY BLOWER & EXHAUSTING FAN OF CABINET						Lamps & Alarm	Lams: POWER, READY, HEAT, ERROR, CYCLE BUZZER
ANODE VOLTAGE	6,000V DC	6,500V DC	7,000V DC	6,000V DC	6,500V DC	7,000V DC	TEMP. CONTROL	ROLLER ELECTRODE: BY INFARRED TEMPERATURE CONTROL FLAT ELECTRODE: BY TIMER CONTROL
MAX. ANODE CURRENT	0.9A	1.5 A	1.7A	0.9A	1.5 A	1.7A	HEAT TIMER	Digital: 0 - 999.9 sec
MAX. GRID CURRENT	400 mA	400 mA	400mA	400 mA	400 mA	400mA	PROTECTORS	NFB, OVER CURRENT RELAY, EXHAUSTED AIR TEMP, DUAL MAGNET SWITCHES, DUST FILTER
GRID ADJUSTMENT	GRID COIL ADJUSTMENT						SAFETY DEVICE	AUTOMATIC GROUND, HOOD SAFETY DEVICE
FILAMENT VOLATGE	6.3V AC	12.6V AC	12.6V AC	6.3V AC	12.6V AC	12.6V AC	CABINET CONSTRUCTION	DUAL CABINET OF OSCILLATOR, DUAL PANELS FOR EASY ACCESS, Operation panel: V2 type=Drawer type, V3 type=Fixed panel
ELECTRODE	SINGLE STACK ROLLER (2-ROLLERS)			PARALLEL FLAT ELECTRODE			RF LEAK VALUE	Meet with Japanese Regulation Less than 100 microV(40dB)/m at 100m distance
EL MODEL	P-323M-I-01	P-523M-I-01	P-723M-I-01				OPTIONALS 1) HEATED RESULT BUZZER ALARMING 2) LOADING TIME OVER ALARMING 3) I.E.C AUXILIARY ELECTRODE 4) DOUBLE STACK ELECTRODE(3-ROLLERS) 6) ROLLER/FLAT CONVERSION 7) AUTO LODING UNIT	
CONSTRUCTION	Dual AL/CU, Surface shrink tube			5T AL PLATE + GLASS FILLED SLICON BOARD				
EFFECTIVE	LENGTH			AREA				
	150 mm	200 mm	210 mm	230 x 270 mm	300 x 350 mm	300 x 350 mm		
	PELLET DAIMETER AVAILABLE (mm)			MAX. HEIGHT AVAILABLE				
	35~55	35~55	35~55	30~80	30~80	30~80		
ELECTRODE GAP	20~50 mm			25~80 mm				
GAP ADJUTMENT	MANUAL ADJUSTMENT BY SCREW							
ROLLER DRIVE	MOTOR & SPIRAL GEAR COMBINATION							
DIMENSION & WEIGHT (APPROX)	W x D x H mm (V2 type: CONTROL BOX PUSHED-IN)							
	500 x 900 x 1340	600 x 990 x 1,400	600 x 990 x 1,400	500 x 900 x 1340	600 x 990 x 1,400	600 x 990 x 1,400		
	210Kg	310Kg	320Kg	210Kg	310Kg	320Kg		

1. Above data shows our standard specifications
2. Above specifications may be altered without notice for up-grade
3. Contact with us when special material shall be heated or special specification shall be required

HEATING CAPABILITY (EXAMPLE)

MODELS	IMC-PH3R-V2	IMC-PH5R-V2	IMC-PH7R-V2	IMC-PH3F-V2	IMC-PH5F-V2	IMC-PH7F-V2
	EPOXY COMPOUND FOR PACKAGING			PHENOLIC RESIN FOR MECHANICAL PARTS		
DIAMETER (mm)	30~50	35~65	35~65	1.0Kg	1.7Kg	2.0Kg
MAX. LENGTH	150 mm	200 mm	210 mm	MELAMINE COMPOUND FOR TABLEWARE		
VOLUME (approx)	150g	200g	220g	0.7Kg	1.2Kg	1.5Kg
CONDITION	Dia=40 -42mm, Heat time=30 sec, Temp=80 Celsius			Heat time= within 90 sec & Temp=110 Celsius		

* High Tension is applied inside of this machine.
 * Inadequate operation may cause severe affection for human health
 * This machine is required approval for installation from authorized office

Revised on: Sep 02, 2013
 I.mecs Co., Ltd