

FORCE ARC®

Build to Perform



ELECTRODE/FLUX STABILIZING OVENS



About US

AMPWELD INDUSTRIES (M) SDN BHD is a leading manufacturing company based in Ipoh, Malaysia. AMPWELD has been developing and manufacturing high quality oven for welding electrodes and flux drying applications. We have established ourselves as a trusted provider of high-quality oven. Since our inception in 2008, AMPWELD has been dedicated to providing high quality and high-performance electrodes oven and flux baking ovens. We strive to deliver innovative and sustainable manufacturing solutions to our clients, focusing on welding applications especially on oil & gas and ship building industries. Over the years of experience, we have earned a strong reputation for our commitment to quality, customer satisfaction and technological advancement.

We specialize in house fabrication, assembly and testing for our ovens. Our state-of-the-art facilities and highly skilled workforce enable us to deliver exceptional products with precision and efficiency. Our product comply to IEC-60335-1 safety standards and maintain stringent quality control measures to ensure the highest level of product excellence. We offer a comprehensive range of electrodes ovens and flux ovens that cater to diverse the industry needs. Our products are meticulously designed and manufactured to meet the highest standards of quality and reliability.

PORTABLE TYPE ELECTRODE OVEN

FORCE ARC®

- Portable Type Electrode Oven designed for **Holding** of welding electrode to keep it constantly warm.
- Portable Type Electrode Oven **P030M** designed for **Re-Conditioning** and **Holding** of welding electrode for high quality weld with build in temperature gauge & adjustable thermostat controller.
- The unit uses **Tubular Heating Element** for greater heating efficiency and reliability.
- Provide constant heating temperature.

Model	P 05A	P 05D	P 10A	P 10D
Capacity (Rod Lght. 450mm)	5 kgs (+/-)	5 kgs (+/-)	10 kgs (+/-)	10 kgs (+/-)
Temperature Range (Preset +/-)	150°C (302°F)	150°C (302°F)	150°C (302°F)	150°C (302°F)
Input Voltage 50/60Hz	220-240VAC	DC 80-110V	220-240VAC	DC 80-110V
Input Power	160W	160W	160W	160W
External Dimension (mm)	150 x 175 x 630	150 x 175 x 630	172 x 200 x 625	172 x 200 x 625
Internal Dimension (mm)	76 x 76 x 500	76 x 76 x 500	100 x 100 x 500	100 x 100 x 500
Body Insulation (Rock Wool)	25mm	25mm	25mm	25mm
Weight	5.0 kgs	5.0 kgs	6.0 kgs	6.0 kgs
Applicartions	Welding Electrodes			



Model	P 25A	P 030M
Capacity (Rod Lght. 450mm)	25 kgs (+/-)	30 kgs (+/-)
Temperature Range	130°C (Preset +/-)	50°C ~ 300°C (Analog)
Input Voltage 50/60Hz	220-240VAC	220-240VAC
Input Power	160W	900W
External Dimension (mm)	585 x 255 x 220	755 x 410 x 480
Internal Dimension (mm)	500 x 145 x 145	500 x 200 x 200
Body Insulation	25mm	50mm
Weight	11 kgs	27 kgs
Applicartions	Welding Electrodes	



P 030M

BENCH TYPE ELECTRODE OVEN

FORCEARC®

- Bench Type Electrode Oven designed for **Re-Baking**, **Re-Conditioning** and **Holding** of welding electrode for high quality weld with build in temperature gauge & adjustable thermostat control.
- Removable shelves for the drying of wire coil & pre-heat / post-heat of welded parts.
- **Stainless Steel** internal body to prevent rust.
- Energy saving design used high temperature door gasket to reduce heat loss.



BM 151H

Analog Controller with
temperature gauge



BM 151B

Digital Controller with Solid
State PID power control for
better temperature accuracy



BS 151B

Fully Stainless Steel body &
Digital Controller with Solid
State PID power control for
better temperature accuracy

Model	BM 151H	BM 151B	BS 151B
Capacity (Rod Lght. 450mm)	150 kgs (+/-)	150 kgs (+/-)	150 kgs (+/-)
Temperature Range (Average Stabilized)	50°C ~ 300°C (122°F ~ 572°F)	30°C ~ 400°C (86°F ~ 752°F)	30°C ~ 400°C (86°F ~ 752°F)
Input Voltage 50/60hz	1ph, 220-240VAC	1ph, 220-240VAC	1ph 220-240VAC
Input Power	1800W	1800W	1800W
External Dimension (mm)	660 x 720 x 570	660 x 720 x 570	660 x 720 x 570
Internal Dimension (mm)	455 x 520	455 x 520	455 x 520
Body Insulation (ceramic wool)	50 mm	50 mm	50 mm
Net Weight	43 kgs	43 kgs	48 kgs
Applicartions	Welding Electrodes		

FLOOR TYPE ELECTRODE OVEN

FORCE ARC®

- Floor Type Electrode Oven designed for **Re-Baking**, **Re-Conditioning** and **Holding** of welding electrode for high quality weld with build in adjustable thermostat controlled with digital temperature display.
- **PID MICRO-PROCESSOR POWER CONTROLLER** for better temperature accuracy.
- Energy saving design ovens used high temperature door gasket to prevent heat loss.

MILD STEEL BODY
E 060M / E 120M



STAINLESS STEEL BODY
E 060S / E 120S



Model	E 060M / E 060S	E 120M / E 120S
Capacity (Rod Lght. 450mm)	60 kgs (+/-)	120 kgs (+/-)
Temperature Range (Average Stabilized)	30°C ~ 400°C (86°F ~ 752°F)	30°C ~ 400°C (86°F ~ 752°F)
Input Voltage 50/60Hz	1ph, 220-240VAC	1ph, 220-240VAC
Input Power	900W	1800W
External Dimension (mm)	620 x 735 x 436	790 x 735 x 436
Internal Dimension (mm)	210 x 500 x 280	375 x 500 x 280
Body Insulation (Ceramic wool)	75 mm	75 mm
Weight	45 kgs	57 kgs
Applicartions	Welding Electrodes	



STAINLESS STEEL BODY
E 200S / E 300S
E 400S / E 600S



MILD STEEL BODY
E 200M / E 300M
E 400M / E 600M
E 1000M

TIMER Option : (0 -10hr)

Timer changeover baking temperature to holding temperature controller continuously when time expires. This option saves energy and reduces oxidation to electrode. Holding temperature range from 0 to 200°C.



Model	E 200M / E 200S	E 300M / E 300S	E 400M / E 400S	E 600M / E 600S	E 1000M
Capacity (Rod Lght. 450mm)	210 kgs (+/-)	300 kgs (+/-)	400 kgs (+/-)	600 kgs (+/-)	1000 kgs (+/-)
Temperature Range (Average Stabilized)	30°C ~ 400°C 86°F ~ 752°F	30°C ~ 400°C 86°F ~ 752°F	30°C ~ 400°C 86°F ~ 752°F	30°C ~ 400°C 86°F ~ 752°F	30°C ~ 400°C 86°F ~ 752°F
Input Voltage 50/60Hz	1ph, 220-240VAC 3ph, 380-440VAC	1ph, 220-240VAC 3ph, 380-440VAC	3ph, 380-440 VAC	3ph, 380-440 VAC	3ph, 380-440 VAC
Input Power +/-	2700W / 1900W	2700W / 1900W	5300W	6600W	7900W
External Dimension (mm)	960 x 735 x 620	1115 x 735 x 620	1140 x 755 x 905	1440 x 787 x 910	1700 x 787 x 1060
Internal Dimension (mm)	505 x 500 x 455	650 x 500 x 455	650 x 500 x 695	950 x 500 x 695	1200 x 500 x 810
Body Insulation (Ceramic wool)	75 mm	75 mm	100 mm	100 mm	100 mm
Weight	86 kgs	96 kgs	168 kgs	217 kgs	242 kgs
Applicartions	Welding Electrodes				

VERTICAL TYPE FLUX OVEN

FORCE ARC®

- Vertical Type Flux Oven designed for **Re-Baking, Aging** and **Moisture Free** of Submerged Arc Welding Flux.
- **PID MICRO-PROCESSOR POWER CONTROLLER** for better temperature accuracy.
- Energy saving design Flux Ovens used high temperature door gasket to reduce heat loss.



FORCE ARC®



TIMER Option : (0 -10hr)

Timer changeover baking temperature to holding temperature controller continuously when time expires. This option saves energy and reduces oxidation to flux.
Holding temp.range from 0 to 200 °C.



Model	F 025S	F 100S	F 200S	F 300S	F 500S
Flux Capacity	25 kgs (+/-)	100 kgs (+/-)	195 kgs (+/-)	285 kgs (+/-)	500 kgs (+/-)
Temperature Range (Average Stabilized)	30 °C ~ 350 °C 86 °F ~ 662°F	30 °C ~ 350 °C 86 °F ~ 662°F	30 °C ~ 350 °C 86 °F ~ 662°F	30 °C ~ 350 °C 86 °F ~ 662°F	30 °C ~ 350 °C 86 °F ~ 662°F
Input Voltage 50/60Hz	1ph 220-240VAC 3ph 380-440VAC	1ph 220-240VAC 3ph 380-440VAC	1ph 220-240VAC 3ph 380-440VAC	3ph 380-440VAC	3ph 380-440VAC
Input Power +/-	750W	2200W / 1800W	3000W / 2400W	4000W	7800W
External Dimension (mm)	1070 x 590 x 590	1215 x 595 x 585	1240 x 595 x 880	1220 x 595 x 1280	1240 x 1165 x 1280
Internal Dimension (mm)	300 x 430 x 250	720 x 430 x 350	780 x 430 x 650	780 x 430 x 1000	780 x 900 x 1000
Body Insulation (Ceramic wool)	50 mm	50 mm	50 mm	50 mm	50 mm
Weight	44 kgs	68 kgs	96 kgs	135 kgs	178 kgs
Applicartions	Welding Flux				

- Floor Type Wire Oven designed for Re-Baking, Aging and Moisture Free of welding flux cored wire for high quality weld. Build in adjustable thermostat control with digital display.
- **PID MICRO-PROCESSOR POWER CONTROLLER** for better temperature accuracy.
- Energy saving design Flux Cored Wire Ovens used high temperature door gasket to prevent heat loss.
- Stainless Steel internal to prevent rust.

Model	W 500SM
Capacity	15 Spool (300mm +/- dia)
Temperature Range (Average Stabilized)	0°C~80°C (32°F ~ 176°F)
Input Voltage 50/60hz	1ph, 220-240VAC
Input Power	720W
External Dimension (mm)	1430 x 575 x 730
Internal Dimension(mm)	1090 x 500 x 650
Body Insulation (Ceramic wool)	40 mm
Weight	122 kgs
Applicartions	Flux Cored Wire



W 500SM



Product TEST REPORT

TEST REPORT	
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Applicant : AMPWELD INDUSTRIES (M) SDN. BHD, NO. 17, LENGGOK JELAPANG MAJU, KAWASAN PERINDUSTRIAN JELAPANG MAJU, 30020 IPOH, PERAK DARUL RIDZUAN, MALAYSIA. Manufacturer : AMPWELD INDUSTRIES (M) SDN. BHD, NO. 17, LENGGOK JELAPANG MAJU, KAWASAN PERINDUSTRIAN JELAPANG MAJU, 30020 IPOH, PERAK DARUL RIDZUAN, MALAYSIA. Product : ELECTRODE DRYING OVEN (FLOOR TYPE) Reference Standard / Method of Test : IEC 60335-1: 2001 + (Amd.1:2004 & Amd.2:2006) Description of Sample : Brand : FORCE ARC Model / Type : E 200M / E 300M Rating : Voltage : 220-240V ~ Frequency : 50/60Hz Input : 2300-2700W Serial No. : NIL Date receive of Complete Application : 17 DECEMBER 2015 Job No. : J20151421023 Overall Test Result : COMPLIED (See Page 2 for details) Issued Date : 20 JULY 2016 Approved Signatures : <p style="text-align: right;"> (MOHD KHIRUL ANUAR SAADON) Testing Executive </p> <p style="text-align: right;"> (M.ZAMRI MUSTAFFA) Section Head Electrical & Electronic 1 Section Testing Services Department </p>	

TEST REPORT	
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