

Pneumatic
Welding guns
EMEPI series



CE

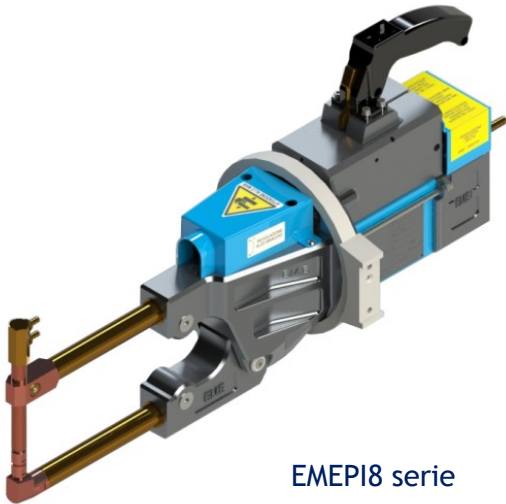


EMEPI4 serie

EMEPI4 PNEUMATIC WELDING GUN EMEPI8 PNEUMATIC WELDING GUN

EMEPI pneumatic water-cooled welding gun with 4KVA power at 50% and 8KVA power at 50%. Equipped with only one cooling circuit for the transformer, arms and electrodes and adjustable working stroke. A rotating group allows orientation of the welding gun in any position. The operation can be spot by spot or in continuous sequence. Pneumatic wide opening of the lower arm. All models are equipped with MICROBOX FACILE, a separate weld control board containing the control power and the differential magnetothermal switch.

All welding guns are provided without arms. A large range of standard arms are available on request. Bespoke solutions can be provided upon a customer design.



EMEPI8 serie



"MICROBOX FACILE" WELDING CONTROL

The "MICROBOX FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

EMEPI4 / EMEPI8 series

TECHNICAL FEATURES	EMEPI4	EMEPI8
Nominal power at 50% ED	4 KVA	8 KVA
Primary nominal voltage	400 – 230 V	400 – 230 V
Nominal Frequency	50 Hz	50 Hz
Secondary voltage	2,1 V	2,5 V
Permanent secondary current	1,6 KA	1,8 KA
Short-circuit secondary current	6,4 KA	8,2 KA
Max welding secondary current	4,3 KA	6,4 KA
Duty cycle at maximum welding current	4 %	6 %
Connection power	7 KVA	12 KVA
Power supply cable section (≤ 40 int. line)	4 mm ²	6 mm ²
Pressure at the electrodes (short arms)	80 daN	160 daN
Max welding capacity on "S" mild steel	1+1 mm	2+2 mm
Max welding capacity on cross wires	4+4 mm	8+8 mm
Operation	Pneumatic	
Cooling	Water	
Arm distance – distance between centres	100 mm	140 mm
Arm lenght	100 ÷ 300 mm	200 ÷ 500 mm
Arm diameter	22 mm	30 mm
Spark plu diameter	16 mm	19 mm
Electrode diameter	16 mm	16 mm
Electrode opening (short arms)	15 ÷ 55 mm	15 ÷ 55 mm
Air consumption (mc / 1000 spots)	0,5	0,7
Water consumption	4 l/min	4 l/min
Max compressed air pressure(1 bar = 100 Kpa)	500 Kpa	500 Kpa
Dimension B x L x H	450 x 265 x 280 mm	550 x 340 x 340 mm
Weight	11,5 Kg	21 Kg

EMEPI15 / EMEPI23 series



EMEPI15 serie

EMEPI15 PNEUMATIC WELDING GUN EMEPI23 PNEUMATIC WELDING GUN

EMEPI pneumatic water-cooled welding gun with 15KVA power at 50% and 23KVA power at 50%. Equipped with only one cooling circuit for the transformer, arms and electrodes and adjustable working stroke. A rotating group allows orientation of the welding gun in any position. The operation can be spot by spot or in continuous sequence. Pneumatic wide opening of the lower arm. All models are equipped with MICROBOX FACILE, a separate weld control board containing the control power and the differential magnetothermal switch. All welding guns are provided without arms. A large range of standard arms are available on request. Bespoke solutions can be provided upon a customer design.



EMEPI23 serie

"MICROBOX FACILE" WELDING CONTROL

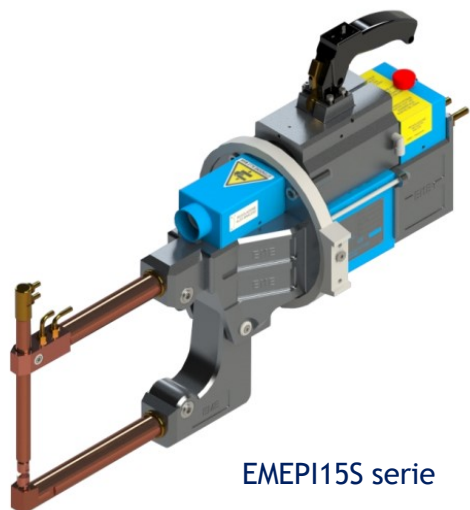
The "MICROBOX FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.



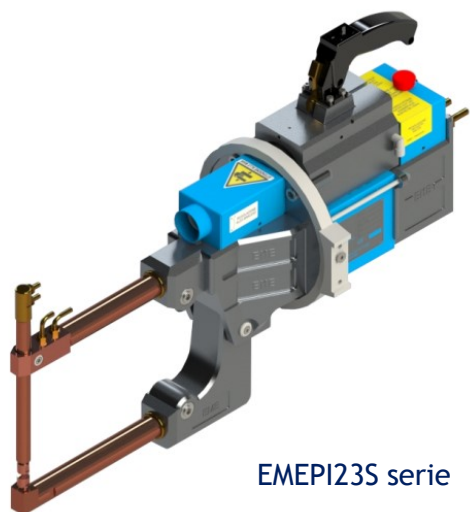
serie EMEPI15 / EMEPI23

TECHNICAL FEATURES	EMEPI15	EMEPI23
Nominal power at 50% ED	15 KVA	23 KVA
Primary nominal voltage	400 – 230 V	400 – 230 V
Nominal Frequency	50 Hz	50 Hz
Secondary voltage	3,2 V	3,8 V
Permanent secondary current	2,9 KA	3,5 KA
Short-circuit secondary current	12 KA	19,5 KA
Max welding secondary current	7,5 KA	13,2 KA
Duty cycle at maximum welding current	7 %	7 %
Connection power	17 KVA	35 KVA
Power supply cable section (≤ 40 int. line)	10 mm ²	16 mm ²
Pressure at the electrodes (short arms)	280 daN	340 daN
Max welding capacity on "S" mild steel	3+3 mm	4,5+4,5 mm
Max welding capacity on cross wires	12+12 mm	16+16 mm
Operation	Pneumatic	
Cooling	Water	
Arm distance – distance between centres	140 mm	140 mm
Arm lenght	200 ÷ 800 mm	200 ÷ 800 mm
Arm diameter	32 mm	32 mm
Spark plu diameter	19 mm	19 mm
Electrode diameter	16 mm	16 mm
Electrode opening (short arms)	15 ÷ 55 mm	15 ÷ 55 mm
Air consumption (mc / 1000 spots)	1,2	1,6
Water consumption	6 l/min	6 l/min
Max compressed air pressure(1 bar = 100 Kpa)	500 Kpa	500 Kpa
Dimension B x L x H	680 x 390 x 370 mm	710 x 390 x 370 mm
Weight	34 Kg	40 Kg

EMEPI15S / EMEPI23S series



EMEPI15S serie



EMEPI23S serie

EMEPI15 PNEUMATIC WELDING GUN "S" VERSION EMEPI23 PNEUMATIC WELDING GUN "S" VERSION

EMEPI pneumatic water-cooled welding gun with 15KVA power at 50% and 23KVA power at 50%. Equipped with only one cooling circuit for the transformer, arms and electrodes and adjustable working stroke. A rotating group allows orientation of the welding gun in any position. The operation can be spot by spot or in continuous sequence. Pneumatic wide opening of the lower arm. All models are equipped with MICROBOX FACILE, a separate weld control board containing the control power and the differential magnetothermal switch. All welding guns are provided without arms. A large range of standard arms are available on request. Bespoke solutions can be provided upon a customer design. The "S" version offers a higher distance between the centres of the arms.



"MICROBOX FACILE" WELDING CONTROL

The "MICROBOX FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

serie EMEPI15S / EMEPI23S

TECHNICAL FEATURES	EMEPI15S	EMEPI23S
Nominal power at 50% ED	15 KVA	23 KVA
Primary nominal voltage	400 – 230 V	400 – 230 V
Nominal Frequency	50 Hz	50 Hz
Secondary voltage	3,2 V	3,8 V
Permanent secondary current	2,9 KA	3,5 KA
Short-circuit secondary current	12 KA	19,5 KA
Max welding secondary current	7,5 KA	13,2 KA
Duty cycle at maximum welding current	7 %	7 %
Connection power	17 KVA	35 KVA
Power supply cable section (≤ 40 int. line)	10 mm ²	16 mm ²
Pressure at the electrodes (short arms)	280 daN	340 daN
Max welding capacity on "S" mild steel	3+3 mm	4,5+4,5 mm
Max welding capacity on cross wires	12+12 mm	16+16 mm
Operation	Pneumatic	
Cooling	Water	
Arm distance – distance between centres	220 mm	220 mm
Arm lenght	200 ÷ 800 mm	200 ÷ 800 mm
Arm diameter	32 mm	32 mm
Spark plu diameter	19 mm	19 mm
Electrode diameter	16 mm	16 mm
Electrode opening (short arms)	15 ÷ 55 mm	15 ÷ 55 mm
Air consumption (mc / 1000 spots)	1,2	1,6
Water consumption	6 l/min	6 l/min
Max compressed air pressure(1 bar = 100 Kpa)	500 Kpa	500 Kpa
Dimension B x L x H	680 x 460 x 370 mm	710 x 460 x 370 mm
Weight	36 Kg	42 Kg