

ROCKER ARM SPOT WELDER (PNEUMATICALLY OPERATED) MODEL- SWE (P)



SPECIAL FEATURES :

"STERCO" make ROCKER ARM PNEUMATICALLY OPERATED SPOT WELDER are most suitable for mass production, due to its pneumatic operation, less operational efforts are required. These machines are designed & developed to meet the needs of a vast number of sheet metal fabrication shops.

ADVANTAGES:

Besides spot welding the machine can also be used for electro brazing, cross wire welding, projection welding & resistance heating.

SALIENT DESIGN FEATURE :

Machine Body is designed for its ruggedness and easy maintenance. A heavy machines bracket is provided on top of the frame for Rockering the upper arm holder. "T" slotted face plate allows both vertical and horizontal adjustment of lower arm. Increases current carrying section because of this special electrode holder clamping system. Easy accessibility for maintenance of Electrical, Electronic and Mechanical components.

WELDING TRANSFORMER :

With special design technique adopted to offer maximum efficiency of the transformer, conforming to latest IS: 4804. It is Air/water cooled with a sandwitch construction of coils having core of high grade electrical steel Class "F" insulation and then vacuum impregnation helps the transformer to with-stand higher temperature.

ELECTRONIC & ELECTRICAL CONTROL SYSTEM :

Machine consists of precision STERCO make SOLID STATE C-MOS INTEGRATED WELD TIMER with heavy duty electromagnetic contactor for switching purpose. Timer consists of Squeeze (Range 0-250 cycles, stepless control), Weld Timer (Range will be 5-99-199 cycles adjustable in step of one cycle). And to adjust the welding current from 50 to 100%, one tap changing switch of 8 steps had been provided on the machine.

COOLING SYSTEM :

Arms, electrode holders, electrodes etc. are water cooled. Water cooled transformers can be provided at an extra cost.

PNEUMATIC SYSTEM :

The basic pneumatic system consists of a pneumatic double acting cylinder, solenoid valve of 4 ways 5 port, filter, lubricator, regulator gauge and foot operated initiating switch for solenoid coil.

ELECTRODE SYSTEM :

The electrode force is attained through the rocker arm mechanism coupled with the pneumatic cylinder. The electrode force can be adjusted with the help of Air regulator installed on the machine.

FOR FINE CONTROL :

A pair of thyristor can be provided for switching purpose in place of electromagnetic contactor at an extra cost. By using thyristor, Heat Current can be controlled from 5 to 95% of the current available. Weld time is also adjustable from 1 to 99 cycles in step of one cycle each.

TECHNICAL SPECIFICATIONS OF MODEL MODEL- SWE (P)

Machine Model		SWE(P)-10	SWE(P)-15	SWE(P)-25	SWE(P)-35	SWE(P)-50	SWE(P)-75
Rating KVA At 50% Duty Cycle		10	15	25	35	50	75
Throat Clearance Min. Max.	MM MM	175 200	175 300	175 300	175 300	175 350	175 350
Max. Available Short Circuit Current At 30 cm Throat Depth	K.AMPS	9.5	10.5	16	19	24	28
Nominal Electrode Force At 5.62 kg/cm ² Air Supply	MM	250	250	250	450	450	450
Rocker Arm Diameter	MM	38	51	57	57	62	70
Electrode Holder Diameter	MM	19	22	25.4	25.4	25.4	32
Length Of Upper Electrode Holder	MM	200	200	200	200	200	200
Length Of Lower Electrode	MM	200	200	200	200	200	200
Type Of Transformer Cooling		Air	Air	Air	Air	Water	Water
Arms & Electrode		Water	Water	Water	Water	Water	Water
Overall Dimension Without Throat Depth	In cms WxDxH (Approx)	30x55x120	33x60x125	35x63x130	35x65x130	40x72x140	40x75x400

EXTRA FEATURES :

- Additional ARMS AND ELECTRODE HOLDERS can be provided at an extra cost.
- This model is also available in PEDAL OPERATED, ask for MODEL- SWE (A)

NOTE: We Reserve The Right To Change The Design & Modify The Specifications At The Discretion Of Our Technical Department.

OUR OTHER PRODUCTS ARE :

- D.C Welding Rectifiers.
- A.C Arc Welders.
- Wire / Strip / Band Saw Butt Welder.
- Heating / Annealing Equipments.
- Electroplating Rectifiers.
- Auto Variable Transformers.
- Servo Voltage Stabilizers.
- All Types of Welding Accessories & Gas Welding Equipments.

Manufactured by :-

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