CLOSED WELDING HEAD MW

CHARACTERISTICS

- Heads especially designed for autogenous welding of thin tubes made of stainless steel, titanium, Inconel etc., in a range of diameters from 6 to 170 mm
- Protective gas covering during the whole weld cycle to avoid coloration
- Compact design for use in areas with limited access
- Quick changing system for clamps
- Special gas arrival to avoid particle emissions and decrease the purging time
- Integrated remote control

APPLICATION SECTORS

- Aeronautics/Aerospace
- Pharmacy/Biochemistry
- Food industry
- Measurement sensors
- High purity industry

TECHNICAL DATA

- High duty cycle due to water cooling
- Adaptation kit for the welding of accessories
  (elbows, flanges, valves, fittings, etc.)
- The rigid mechanical system of the welding head ensures vibration-free driving under all protective conditions
- Due to the DC gear drive with closed loop regulation, a highly accurate control of the travel speed and arc position is possible
- Sequence based on the electrode position
- Pulsing of weld current can be synchronised with pulsed rotation
- Management and control functions for the shielding gas are integrated
- After a weld sequence, the gear returns automatically to the home position
- The welding heads are compatible with all Polysoude power sources
<table>
<thead>
<tr>
<th>MW</th>
<th>Tube - ø</th>
<th>from - to</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>C*</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td>MW-40</td>
<td></td>
<td>6,00-40,00</td>
<td>100</td>
<td>430</td>
<td>38</td>
<td>38</td>
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<td>50</td>
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<td>12,00-65,00</td>
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<td>458</td>
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<td>57.5</td>
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<td>68</td>
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<td>80,00-170,00</td>
<td>290</td>
<td>580</td>
<td>63</td>
<td>31.5</td>
<td>145</td>
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</tbody>
</table>

C* = with adapter to use TCI MW 1250, MW 2500 and MW 4500