SURFOX 204 Weld Cleaning System

The SURFOX electrochemical weld cleaning system is a highly effective method of removing heat tint in the heat affected zone of welded stainless steel (TIG, Spot and Pulsed MIG), without altering the surface of the parent material. It also promotes the formation of a uniform and durable chromium oxide passive layer to protect stainless steel against further corrosion. Surfox is a safer, faster and more cost effective alternative to very hazardous pickling pastes and abrasive weld cleaning processes like wire brushing and grinding.

The most versatile unit for a wide variety of jobs

SURFOX 204 is an industrial, self-contained weld cleaning system with an integrated electrolyte solution tank, a low level indicator and an automatic dispensing pump. A variable speed pump (manual or automatic) delivers the desired amount of electrolyte continuously to the work piece.

Features & benefits:

- Electrochemical cleaning with AC mode: settings low, medium, high (6-15 A)
- Marking option
- Electrochemical polishing in DC mode
- Vapour elimination system
- This system is equipped with a self-regulating inverter board, automatically monitoring and adjusting the current so as to ensure maximum cleaning effectiveness without loss of productivity.

The unit comes with:

- Variable current output knob, allowing the end user to pre-set the desired current level
- Wand with on/off pump cycling controls
- Electrical outlet for optional marking/etching hand piece
- Switchable output: AC mode for cleaning and marking, DC mode for polishing and etching
- Built in vapour elimination system useful when working in confined areas
- Compatible with all SURFOX electrolyte cleaning solutions
- Uses nitric and hydrofluoric acid free SURFOX electrolyte solutions
- The cleaning liquid is delivered automatically to the cleaning tip by an integrated pump system – without spills, just the right amount and without stopping the cleaning action
- Cleaning of a typical TIG weld is done at a speed of 5 feet per minute
- No scrubbing or mechanical action required
- Instant cleaning of heat tint on welds
- **ASTM A967 certified for chemical passivation for stainless steel**

<table>
<thead>
<tr>
<th>Description</th>
<th>Electrical</th>
<th>Dimensions</th>
<th>Tank</th>
<th>Lenght of hose</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SURFOX machine Model 204</strong></td>
<td>120V, 50/60 Hz, 4.0A</td>
<td>11’</td>
<td>4 ⅝”</td>
<td>6 ½”</td>
<td>64.2 ounces</td>
<td>13”</td>
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<tr>
<td><strong>SURFOX machine Model 204</strong> with Mini-Wand and brushes kit</td>
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*Standard equipment includes: 3 High Conductivity cleaning pads standard, 1 Teflon ring, 1 Standard tungsten insert, Drip guard, Ground wire with clamp, Carrying case*
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ACCESSORIES

**Electrolyte solutions**
- SURFOX-T Heavy-Duty solution, 100ml 54-A 001
- SURFOX-T Heavy-Duty solution, 1.5L 54-A 005
- SURFOX-T Heavy-Duty solution, 20L 54-A 007
- SURFOX-T Heavy-Duty solution, 208L 54-A 008
- SURFOX-G Neutral pH solution, 100ml 54-A 061
- SURFOX-G Neutral pH solution, 1.5L 54-A 065
- SURFOX-G Neutral pH solution, 20L 54-A 067
- SURFOX-G Neutral pH solution, 208L 54-A 068
- SURFOX-N Cleaning & Neutralizing solution, 500ml 54-A 023
- SURFOX-N Cleaning & Neutralizing solution, 20L 54-A 027

**Cleaning pads and brushes**
- Standard High Conductivity pads 54-B 026 (pack of 10)
- Inside Corners High Conductivity pads 54-B 027 (pack of 10)
- Narrow High Conductivity pads 54-B 028 (pack of 10)
- Large High Conductivity pads for graphite insert 54-B 043 (pack of 10)
- Mini-Wand and brushes kit 54-B 133
- Carbon fiber flow-through brushes 54-B 029 (pack of 5)

**Tungsten and graphite inserts**
- Standard 90° 48-R 133
- Standard 60° 54-B 016
- Narrow 90° 54-B 017
- Narrow 60° 54-B 018
- Inserts kit (includes all 4 tungsten inserts) 54-B 012
- Large graphite 54-B 009

**Testers**
- Stainless Steel Grade ID tester 54-T 001
- Passivation tester 54-T 010

**Marking kits**
- Standard kit 54-B 080
- PRO kit with stencil printer 54-B 081

**Station**
- SURFOX station 54-B 050