

SURFOX 104 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 perfect unit for production work

The SURFOX 104 is an industrial, self-contained weld cleaning system with an integrated electrolyte solution tank and an automatic dispensing pump. A variable speed pump (manual or automatic) delivers the desired amount of electrolyte continuously to the work piece.

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.

Features & benefits:

- 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**
- **The unit comes with:**
 - Wand with on/off pump cycling controls.
 - Electrical outlet for optional marking hand piece.
 - Electro cleaning on AC mode at 12A
 - Electro cleaning on AC mode with carbon fiber brush accessory at 9A



Description	Electrical		Dimensions			Tank	Lenght	Weight	Order No.
	Input	Output	Length	Width	Height	Capacity	of hose		
SURFOX machine Model 104*	120V, 50/60 Hz, 4.0A	12-30V AC 15A	11'	4 ½"	6 ½"	64.2 ounces	13"	36.4 lbs (16.5 Kg)	54-D 114
SURFOX machine Model 104* with Mini-Wand and brushes kit	120V, 50/60 Hz, 4.0A	12-30V AC 15A	11'	4 ½"	6 ½"	64.2 ounces	13"	36.4 lbs (16.5 Kg)	54-D 164

*Standard equipment includes: 3 High Conductivity cleaning pads standard, 1 Teflon ring, 1 Standard tungsten insert, Drip guard, Ground wire with clamp, Carrying case

MSDS available upon request or on our web site at surfox.com

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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)
Mini-Wand and brushes kit	54-B 133
Carbon fiber flow-through brushes	54-B 029 (pack of 5)

Tungsten 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

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
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