

SURFOX™ 205 Weld Cleaning System

The SURFOX™ electrochemical weld cleaning system is a highly effective method of removing heat tint in the heat affected zone of TIG, MIG (aluminum only), and spot welded stainless steel and aluminum, 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 205 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 solution continuously to the work piece. The machine is also capable of marking and etching on aluminum, stainless steel, and titanium surfaces.

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 and without micro-pitting.

Features & benefits:

- Compatible with all SURFOX electrolyte cleaning solutions
- Uses **nitric and hydrofluoric acid free SURFOX** electrolyte solutions
- Built-in fume elimination system useful when working in confined areas (requires a compressed air line)
- Switchable output: AC mode (cleaning & marking) and DC mode (polishing & etching)
- 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 a typical weld at a speed of 5 feet/minute with no scrubbing or mechanical action required
- Variable current output knob, allowing the end user to pre-set the desired power level
- Permanent marking on aluminum, stainless steel, and titanium surfaces
- **The use of SURFOX systems is a recognized method for achieving chemical passivation on Stainless Steel Parts, as defined by the ASTM A967 specification.**

Description	Electrical		Dimensions			Tank Capacity	Length of hose	Weight	Order No.
	Input	Output	Length	Width	Height				
SURFOX machine Model 205*	120V, 50/60 Hz, 4.0A	12-30V AC/DC 15A max	18 1/2"	9 3/4"	15"	64.2 oz	13'	41 lbs (18.6 Kg)	54-D 215

*Standard equipment includes: 1 x carbon fiber brush (54-B 158), 1 x brush adaptor (54-B 149), 1 x ground cable (48-R 136), 1 x user guide, 1 x DVD, 1 x carrying case.

SDS available upon request or on our website at www.walter.com

Walter Surface Technologies Inc.

5977 Trans-Canada Highway, Pointe-Claire, Quebec H9R 1C1

Tel: 1-800-592-5837 or (514)630-2800 / Fax: (514)630-2825 / web: www.walter.com

ACCESSORIES

SURFOX 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, 5L	54-A 006
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, 5L	54-A 066
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, 3.78L	54-A 025
SURFOX-N Cleaning & Neutralizing solution, 20L	54-A 027
SURFOX-N Cleaning & Neutralizing solution, 208L	54-A 028

Cleaning pads

Standard high conductivity cleaning pads	54-B 026 (pack of 10)
Inside corners high conductivity cleaning pads	54-B 027 (pack of 10)
Narrow high conductivity cleaning pads	54-B 028 (pack of 10)
Large high conductivity pad for large graphite insert	54-B 043 (pack of 10)
Narrow clamp ring for narrow pads	54-B 020
Clamp ring for cleaning pads	54-B 002

Brushes

Carbon fiber brush	54-B 158
Reusable brush adaptor for large wand	54-B 149

Micro-wand kit

Micro-wand and tungsten insert kit	54-B 033
Micro-wand and brush kit	54-B 133
Carbon fiber micro-brush	54-B 157
Brush adaptor for micro-wand	54-B 150

SURFOX™ 205 Weld Cleaning System

Tungsten and graphite inserts

Tungsten standard 90°	54-B 143
Tungsten narrow 90°	54-B 017
Large graphite	54-B 009

Testers

Surfox Passivation tester	54-T 012
---------------------------	----------

Marking kits

Standard kit	54-B 080
PRO kit with stencil printer	54-B 081

Station

SURFOX station	54-B 050
----------------	----------

Power Cloth

Surfox Power Cloth	54-B 090
--------------------	----------

Surfox Cleaners

SURFOX Pre-Weld, 500 ml	54-A 073
SURFOX Pre-Weld, 5 L	54-A 076
SURFOX Pre-Weld, 20 L	54-A 077
SURFOX Pre-Weld, 208 L	54-A 078
SURFOX Shine, 500 ml	54-A 093
SURFOX Shine, 3.78 L	54-A 095
SURFOX Shine, 20 L	54-A 097
SURFOX Shine, 208 L	54-A 098
SURFOX Renew, 500 ml	54-A 083
SURFOX Renew, 3.78 L	54-A 085
SURFOX Renew, 20 L	54-A 087
SURFOX Renew, 208 L	54-A 088