RANGE & ORDERING GUIDE

Cougartron Weld Cleaning Machines & Accessories

Electrochemical cleaning for stainless steel TIG and MIG welds.



Find Your Machine and Setup

Start with the weld process, the amount of oxide and how often you clean. For repeated long runs, compare the fluid-feed options.

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Browse weld cleaning at R H Davey

Contents

WELD CLEANING MACHINES

Light Work & Precision TIG

Compact machines for maintenance work, small fabrications and lighter welds.



LIGHT WORK & MAINTENANCE

PowerONE

0–80 A cleaning output / 110/230 V dual input

Compact starter set for occasional stainless TIG and lighter MIG work. It includes a case, a single M8 brush setup and 1 L of CGT-550.

1 × M8 brush / Optional FL21 fluid feed

4 m work and earth leads / Marking with optional kit

Set	Dual input
Starter Set	WELC1128

Manufacturer datasheet



PRECISION TIG CLEANING

Power30

5–30 A cleaning output / 110/230 V dual input

For thin stainless and smaller TIG components. Use the lower-voltage setting for light heat tint and the higher setting for darker oxide.

1 × M6 brush / Optional FL10 or FL20 feed

4 m work and earth leads / Marking with optional kit

Set	Dual input
Basic	WELC1070
Starter A	WELC1071
Starter B	WELC1072
Starter C	WELC1073

Manufacturer datasheet

Which model?

Choose PowerONE for occasional TIG and lighter MIG. Choose Power30 when you mainly need controlled cleaning on thin TIG work.

WELD CLEANING MACHINES

TIG Polishing & Regular Use

Two portable machines with a separate polishing mode and optional fluid feed.



PRECISION TIG & POLISHING

Power30X

5–30 A cleaning output / 110/230 V dual input

Choose this model for small TIG fabrications that need a polishing mode as well as cleaning. Its two cleaning settings suit light and darker heat tint.

1 × M6 brush / Optional FL10 or FL20 feed

4 m work and earth leads / Polishing and optional marking

Set	Dual input
Basic	WELC1080
Starter A	WELC1081
Starter B	WELC1082
Starter C	WELC1083

Manufacturer datasheet



REGULAR WORKSHOP CLEANING

ProPlus

5–50 A cleaning output / 110 V or 230 V version

A portable machine for heavier TIG oxide and lighter MIG welds. Cleaning and polishing output adjusts in 5 A steps.

1 or 2 brushes / Optional FL10 or FL20 feed

4 m work and earth leads / Polishing and optional marking

Set	110 V	230 V
Basic	WELC1090	WELC1094
Starter A	WELC1091	WELC1095
Starter B	WELC1092	WELC1096
Starter C	WELC1093	WELC1097

Manufacturer datasheet

When to move up

Choose Power30X for smaller TIG work that needs polishing. ProPlus suits regular cleaning, heavier TIG oxide and lighter MIG work.

WELD CLEANING MACHINES

Heavy-Duty Weld Cleaning

Wheeled machines for daily stainless fabrication, with manual application of cleaning fluid.



DAILY TIG & MIG CLEANING

FURY100

20–100 A cleaning output / 110 V or 230 V version

A wheeled machine for daily stainless fabrication. Use a twin-brush holder to access the full 100 A output on heavier oxide.

1 or 2 × M8 brushes / Manual fluid application

6 m work and earth leads / Polishing and optional marking

Set	110 V	230 V
Basic	WELC1104	WELC1100
Starter A	WELC1105	WELC1101
Starter B	WELC1106	WELC1102
Starter C	WELC1107	WELC1103

Manufacturer datasheet



LONG SEAMS & HEAVY OXIDE

FURY200

20–200 A cleaning output / 110 V or 230 V version

For long, heavily oxidised TIG or MIG seams and larger fabrications. Match the brush holder and brush count to the output setting.

1–3 × M8 brushes for weld cleaning / Manual fluid

6 m work and earth leads / Polishing and optional marking

Set	110 V	230 V
Basic	WELC1114	WELC1110
Starter A	WELC1115	WELC1111
Starter B	WELC1116	WELC1112
Starter C	WELC1117	WELC1113

Manufacturer datasheet

Check the supply

The 110 V FURY100 is rated at 15 A. The 110 V FURY200 is rated at 32 A. Confirm the supply and connector before ordering.

WELD CLEANING MACHINES

Heavy-Duty with Fluid Feed

Integrated pumps feed cleaning fluid to the brush, reducing stops to re-wet it on long seams.



100 A WITH INTEGRATED FLUID FEED

FURY100XF

20–100 A cleaning output / 110 V or 230 V version

For regular TIG and MIG cleaning where the operator would otherwise stop to re-wet the brush. The pump supplies fluid through the wand.

1 or 2 × M8 brushes / Integrated fluid feed

6 m work and earth leads / Polishing and optional marking

Set	110 V	230 V
Basic	WELC1134	WELC1130
Starter A	WELC1135	WELC1131
Starter B	WELC1136	WELC1132
Starter C	WELC1137	WELC1133

Manufacturer datasheet



200 A WITH INTEGRATED FLUID FEED

FURY200XF

20–200 A cleaning output / 110 V or 230 V version

For long production runs and heavy heat tint on stainless TIG and MIG fabrications. Adjust fluid delivery at the machine.

1–3 × M8 brushes for weld cleaning / Integrated feed

6 m work and earth leads / Polishing and optional marking

Set	110 V	230 V
Basic	WELC1124	WELC1120
Starter A	WELC1125	WELC1121
Starter B	WELC1126	WELC1122
Starter C	WELC1127	WELC1123

Manufacturer datasheet

Match the XF tooling

Order the fluid-feed wand and work lead for the XF machine. The 110 V FURY100XF is rated at 15 A and the 110 V FURY200XF at 32 A.

WELD CLEANING WORKFLOW

Automatic Fluid Feed

A pump sends cleaning fluid through tubing in the work lead to a compatible wand and brush. This reduces stops to dip the brush when cleaning long stainless TIG and MIG seams.

01 **Fluid Reservoir** › 02 **Pump & Work Lead** › 03 **Wand & Brush Tip**



FURY200XF pump and front-mounted fluid reservoir

Benefits at the Weld

Fewer Stops

Clean longer seams and repeated joints with fewer pauses to re-wet the brush.

Controlled Delivery

Set the fluid delivery to suit the weld and keep the brush supplied as you work.

Easier to Move

FL20 and FL21 mount to the compatible cleaner so the pump, fluid and machine move together.

Which System Fits?

System	Machine	Configuration
FURY XF	FURY100XF and FURY200XF	Integrated tank, pump and flow control
FL20	Power30, Power30X and ProPlus	Mount-on kit with fluid storage
FL21	PowerONE	Mount-on kit with PowerONE connector
FL10	Selected compatible machines	Stand-alone pump. Confirm fit before ordering.

Standard FURY100 and FURY200 models use manual fluid application. See page 8 for kit codes and page 7 for compatible wands.

Prime and Flush as Directed

Use the compatible fluid-feed lead and wand. Follow the machine instructions for priming and flushing the fluid path after use.

Cougartron Fluid Feed Guide FL20 FL21

Contents

ACCESSORIES

Brushes, Wands & Shrouds

Check the brush thread, holder and output setting together. Match the wand and shroud to the number of brushes and the fluid-feed system.



Powerbrush



Superbrush



FURY brush

Replacement brush packs

Part number	Brush / pack	Machine family
WELC3101	Powerbrush, M6, 10 pack	Power30 and Power30X
WELC3146	Superbrush, M6, 10 pack	ProPlus
WELC3149	FURY brush, M8, 10 pack	PowerONE and FURY models
WELC3213	FURY brush, M8, stainless crimp, 10 pack	PowerONE and FURY models

Wand and twist-shroud sets

Part number	Set	Compatible setup
WELC2226	Single M6	Power30, Power30X and ProPlus
WELC2470	Single M8	PowerONE, FURY100 and FURY200
WELC2448	Twin M8	FURY100 and FURY200
WELC2313	Triple M8	FURY200
WELC2397	Single M6, fluid feed	FL10 and FL20
WELC2891	Single M8, fluid feed	FL21 and FURY XF models
WELC2892	Twin M8, fluid feed	FURY100XF and FURY200XF
WELC2926	Triple M8, fluid feed	FURY200XF

For internal seams and awkward corners

Pipebrushes are available in 6, 8, 10 and 12 mm diameters. Ask us to match the pipe brush, angled adaptor or flexible wand to your handle.

Browse R H Davey weld cleaning accessories

ACCESSORIES

Fluid Feed & Workshop Setup

Find external fluid-feed kit codes, handling equipment and replacement leads. See page 6 for how automatic fluid feed works.



FL10 fluid feed kit



FL20 pump



Mobile workstation

External fluid feed

Part number	Set	Machine family
WELC1059	FL10, Starter A	Power30, Power30X and ProPlus
WELC1060	FL20, Starter A	Power30, Power30X and ProPlus
WELC1077	FL21, Starter A	PowerONE

Handling, replacement leads & spares

Part number	Item	Compatible setup
WELC2570	Mobile equipment stand	Power models and ProPlus
WELC2889	Mobile weld cleaning workstation	Cougartron workshop setup
WELC2047	4 m work lead with handle, 50 A	Power30, Power30X and ProPlus
WELC2118	4 m earth lead with clamp, 50 A	Power30, Power30X and ProPlus
WELC2907	4 m work lead with handle, 80 A	PowerONE
WELC2919	4 m earth lead with clamp, 80 A	PowerONE
WELC2577	6 m work lead with handle, 200 A	FURY100 and FURY200
WELC2878	6 m work lead and fluid hose, 200 A	FURY100XF and FURY200XF
WELC2578	6 m earth lead with clamp, 200 A	FURY models

Before ordering a lead

Give us the machine model and tell us whether it has fluid feed. Match the connector, current rating and hose arrangement to the original setup.

CONSUMABLES & ORDERING

Cleaning & Neutralising Fluids

Choose the cleaning fluid for the job, then follow Cougartron's instructions for neutralising and rinsing the treated area.



CGT-550



CGT-350



CGT-N5

Fluid	Application	Part number by size
CGT-550	Weld cleaning and electropolishing	1 L WELC3081 / 5 L WELC3048
CGT-350	Milder fluid for stainless TIG welds	1 L WELC3083 / 5 L WELC3050
CGT-650	Weld cleaning powder concentrate	70 g WELC3238
CGT-N5	Neutralising after treatment	500 ml WELC3165 / 5 L WELC3158

Read the machine instructions and the fluid's safety data sheet before use. Select suitable eye, skin and respiratory protection and ventilation from the task risk assessment.

Manufacturer manuals & safety data sheets

Choose your set

Basic supplies the machine and core equipment. **Starter A** adds cleaning consumables. **Starter B** and **Starter C** add standard or advanced marking equipment respectively. Check the model datasheet for exact contents. PowerONE has a single starter set.

Cougartron catalogue and accessory references

Ask us to match the machine to your weld

Send a weld photo, the process, material thickness and expected cleaning hours. Include your available mains supply and the set or accessory codes.

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