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Advance Welding.

Electrofusion Tools

Catalogue.

Version 1. January 2010.



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Standards and Approvals.

All electrofusion welding equipment complies with the International Organization for Standardization standard:

ISO12176-2 Plastic pipes and fittings, equipment for fusion jointing polyethylene systems, part 2, electrofusion.

All bar code electrofusion welding equipment complies with the International Organization for Standardization standard:

ISO13950 Plastic pipes and fittings, automatic recognition systems for electrofusion joints.

Where shown, electrofusion welding equipment is approved to the UK Gas Industry Standard:

GIS/ECE1 Specification for electrofusion control boxes.

Where shown, mechanical equipment is approved to the relevant UK Gas Industry Standard:

GIS/PL2-3 Part 3: Butt fusion machines and ancillary tooling.

GIS/PL2-5 Part 5: Electrofusion ancillary tooling.

GIS/PL2-7 Part 7: Squeeze-off tools and equipment.

GIS/TE/P6.3 Equipment used in testing gas mains and gas services with operating pressures not greater than 7 bar.

All products have been designed to comply with the harmonized standards under the New Approach Directives, and have been CE marked accordingly. The relevant standards are as follows:

2004/108/EC Electromagnetic compatibility.

2006/95/EC Low voltage equipment.

98/37/EC Machinery safety.

94/62/EC Packaging and packaging waste.

2008/34/EC Waste Electrical Electronic Equipment Directive (WEEE)

2008/35/EC Restriction of Hazardous Substances Directive (RoHS)



RoHS Compliant
Directive 2005/95/EC





ACT 1 Welding Unit. [8V - 48V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual
Data Logging: No
Size: 38 cm x 38 cm x 40 cm
Weight: 28 kg

AW01-1110 Supply = 110V.
 AW01-1111 Supply = 110V. Protective Lid.
 AW01-2310 Supply = 230V.
 AW01-2311 Supply = 230V. Protective Lid.



ACT 2 Welding Unit. [8V - 48V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual, Fusamatic
Data Logging: Yes
Size: 38 cm x 38 cm x 40 cm
Weight: 28 kg

AW02-1140 Supply = 110V.
 AW02-1141 Supply = 110V. Protective Lid.
 AW02-2340 Supply = 230V.
 AW02-2341 Supply = 230V. Protective Lid.



ACT 3 Welding Unit. [8V - 48V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual, Fusamatic, Barcode
Data Logging: Yes
Size: 38 cm x 38 cm x 40 cm
Weight: 28 kg

AW03-1140 Supply = 110V. Barcode Pen.
 AW03-1141 Supply = 110V. Barcode Pen. Protective Lid.
 AW03-1142 Supply = 110V. Barcode Scanner. Protective Lid.
 AW03-2340 Supply = 230V. Barcode Pen.
 AW03-2341 Supply = 230V. Barcode Pen. Protective Lid.
 AW03-2342 Supply = 230V. Barcode Scanner. Protective Lid.



ACT 4 Welding Unit. [79V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual, Profuse
Data Logging: Yes
Size: 38 cm x 38 cm x 40 cm
Weight: 20 kg

AW04-1150 Supply = 110V. 32A Plug.
 AW04-1151 Supply = 110V. 32A Plug. Protective Lid.
 AW04-1550 Supply = 110V. 63A Plug.
 AW04-1551 Supply = 110V. 63A Plug. Protective Lid.



ACT 5 Welding Unit. [8V - 48V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual, Fusamatic
Data Logging: Yes
Size: 38 cm x 38 cm x 40 cm
Weight: 20 kg

AW05-1140 Supply = 110V.
 AW05-1141 Supply = 110V. Protective Lid.



ACT 6 Welding Unit. [8V - 48V & 79V Fittings to 710 mm]

UK Approvals: GIS/ECE1
Mode: Manual, Profuse
Data Logging: Yes
Size: 36 cm x 39 cm x 25 cm
Weight: 13 kg

AW06-1140 Supply = 110V. Protective Lid.



ATS 250 MANUAL Welding Unit. [8V - 48V Fittings to 400 mm]

UK Approvals: -
Mode: Manual
Data Logging: No
Size: 22 cm x 26 cm x 45 cm
Weight: 20 kg

AW11-1110 Supply = 110V.
 AW11-2310 Supply = 230V.



ATS 250 BASIC Welding Unit. [8V - 48V Fittings to 400 mm]

UK Approvals: -
Mode: Manual, Barcode
Data Logging: No
Size: 22 cm x 26 cm x 45 cm
Weight: 20 kg

AW11-1111 Supply = 110V.
 AW11-2311 Supply = 230V.



ATS 250 EXTRA Welding Unit. [8V - 48V Fittings to 400 mm]

UK Approvals: -
Mode: Manual, Barcode
Data Logging: Yes
Size: 22 cm x 26 cm x 45 cm
Weight: 20 kg

AW11-1112 Supply = 110V.
 AW11-2312 Supply = 230V.



ATS 500 Welding Unit. [8V - 48V Fittings to 710 mm]

UK Approvals: -
Mode: Manual, Barcode
Data Logging: Yes
Size: 25 cm x 32 cm x 37 cm
Weight: 20 kg

AW10-1162 Supply = 110V. Barcode Pen.
 AW10-1163 Supply = 110V. Barcode Scanner.
 AW10-2360 Supply = 230V. Barcode Pen.
 AW10-2361 Supply = 230V. Barcode Scanner.
 A190-0170 Metal carry case.



ATS High Power Welding Unit. [8V - 48V Fittings to 1300 mm]

UK Approvals: -
Mode: Manual, Barcode
Data Logging: Yes
Size: 24 cm x 40 cm x 48 cm
Weight: 27 kg

AW10-3000 Supply = 110V.



KRAH Storm Water Pipe Welding Unit.

UK Approvals: -
Mode: Manual, Barcode
Data Logging: Yes
Size: 24 cm x 40 cm x 48 cm
Weight: 37 kg

AW10-9000 Supply = 230V.



LP315 Welding Unit. [Akatherm, COES, Geberit, Wavin, Valsir]

UK Approvals: -
Mode: 5A & 220V Automatic
Data Logging: No
Size: 12 cm x 27 cm x 8 cm
Weight: 3 kg

AW24-0020 Supply = 230V.



Output Leads. [4.0 mm terminals]

UK Approvals: GIS/ECE1
Size: 3m or 5m long
Weight: 1.3 kg

AW00-0060 Length = 3m.
AW00-0160 Length = 3m. Right angle plug.
AW00-0560 Length = 5m.



Output Leads. [4.7 mm terminals]

UK Approvals: GIS/ECE1
Size: 3m or 5m long
Weight: 1.3 kg

AW00-0010 Length = 3m.
AW00-0110 Length = 3m. Right angle plug.
AW00-0510 Length = 5m.



Output Leads. [Fusamatic terminals]

UK Approvals: GIS/ECE1

Size: 3m or 5m long

Weight: 1.3 kg

AW00-0040 Length = 3m.

AW00-0140 Length = 3m. Right angle plug.

AW00-0540 Length = 5m.



Output Leads. [80V 5.7 mm terminals]

UK Approvals: GIS/ECE1

Size: 3m or 5m long

Weight: 1.3 kg

AW00-0050 Length = 3m.

AW00-0150 Length = 3m. Right angle plug.

AW00-0550 Length = 5m.



Fitting Terminal Adapters (Pair).

UK Approvals: GIS/ECE1

Size: 6 cm x 1 cm diameter

Weight: 0.02 kg

AW20-0003 Pin = 4.0 mm & Hole = 4.7 mm

AW20-0001 Pin = 4.7 mm & Hole = 4.0 mm

AW20-0005 Pin = 4.0 mm & Hole = 4.0 mm. Right angle.

AW20-0006 Pin = 4.0 mm & Hole = 4.7 mm. Right angle.

AW20-0008 Pin = 4.7 mm & Hole = 4.0 mm. Right angle.

AW20-0007 Pin = 4.7 mm & Hole = 4.7 mm. Right angle.



Test and Calibration Equipment

UK Approvals: -

Size: -

Weight: -

AW24-0001 Test load 40V.

AW24-0002 Test load 80V.

AW25-0007 Test meter & Current Clamp.

AW25-0005 Calibration resistor test box.



32 mm Multi-Rerounding Clamp, 2 way.

UK Approvals: GIS/PL2-5

AT04-2160 Sizes (mm) = 20, 32

Size: 27 cm x 13 cm x 8 cm

Weight: 1.5 kg



32 mm Multi-Rerounding Clamp Liners (Set of 4).

UK Approvals: GIS/PL2-5

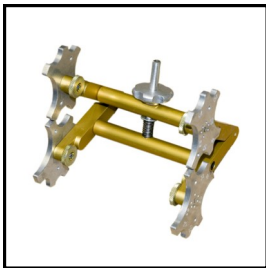
AT04-2162 Sizes (mm) = 20

AT04-2163 Sizes (mm) = 25

Size: 3 cm x 3 cm x 3 cm

Weight: 0.1 kg

AT04-2161 Sizes (inch) = 3/4



75 mm Vari-Clamp, Straight, 2 way.

UK Approvals: GIS/PL2-5

AT02-2110 Sizes (mm) = 25, 32, 40, 50, 63

AT02-2120 Sizes (mm) = 20, 32, 40, 50, 75

Size: 19 cm x 17 cm x 15 cm

AT02-2130 Sizes (mm) = 16, 20, 25, 32, 50, 63

Weight: 1.1 kg

AT02-2140 Sizes (mm) = 40, 55, 63, 75

AT02-2150 Sizes (mm) = 16, 20, 25, 32, 40, 50, 63



75 mm Vari-Clamp, Universal, 2 way.

UK Approvals: GIS/PL2-5

AT02-2410 Sizes (mm) = 25, 32, 40, 50, 63

AT02-2420 Sizes (mm) = 20, 32, 40, 50, 75

Size: 21 cm x 18 cm x 19 cm

AT02-2430 Sizes (mm) = 16, 20, 25, 32, 50, 63

Weight: 1.3 kg

AT02-2440 Sizes (mm) = 40, 55, 63, 75

AT02-2450 Sizes (mm) = 16, 20, 25, 32, 40, 50, 63



75 mm Vari-Clamp, Variable, 2 way.

UK Approvals: GIS/PL2-5

AT02-2910 Sizes (mm) = 25, 32, 40, 50, 63

AT02-2920 Sizes (mm) = 20, 32, 40, 50, 75

Size: 21 cm x 18 cm x 19 cm

AT02-2930 Sizes (mm) = 16, 20, 25, 32, 50, 63

Weight: 1.3 kg

AT02-2940 Sizes (mm) = 40, 55, 63, 75

AT02-2950 Sizes (mm) = 16, 20, 25, 32, 40, 50, 63



75 mm Vari-Clamp Profiles (Set of 4).

UK Approvals: GIS/PL2-5

Size: 10 cm x 10 cm x 4 cm

Weight: 0.2 kg

A401-0001 Sizes (mm) = 16, 20, 25, 32, 50, 63

A401-0002 Sizes (mm) = 40, 55, 63, 75

A401-0005 Sizes (mm) = 16, 20, 25, 32, 40, 50, 63

A401-0006 Sizes (mm) = 25, 32, 40, 50, 63

A401-0007 Sizes (mm) = 32, 40, 55, 63



125 mm Multi-Rerounding Clamp, 2 Way.

UK Approvals: GIS/PL2-5

Size: 46 cm x 18 cm x 29 cm

Weight: 5.0 kg

AT04-2130 Sizes (mm) = 125

AT04-2140 Sizes (mm) = 63, 90, 125



125 mm Multi-Rerounding Clamp, 3 Way.

UK Approvals: GIS/PL2-5

Size: 46 cm x 60 cm x 29 cm

Weight: 7.5 kg

AT04-3140 Sizes (mm) = 63, 90, 125 [Full Kit]

AT04-3040 Sizes (mm) = 63, 90, 125 [Upgrade from 2 way]



180 mm Multi-Rerounding Clamp, 2 Way.

UK Approvals: GIS/PL2-5

Size: 65 cm x 28 cm x 36 cm

Weight: 10.2 kg

AT04-2150 Sizes (mm) = 180

AT04-2120 Sizes (mm) = 63, 90, 125, 180



180 mm Multi-Rerounding Clamp, 3 Way.

UK Approvals: GIS/PL2-5

Size: 65 cm x 82 cm x 36 cm

Weight: 16.5 kg

AT04-3120 Sizes (mm) = 63, 90, 125, 180 [Full Kit]

AT04-3020 Sizes (mm) = 63, 90, 125, 180 [Upgrade from 2 way]



200 mm Multi-Rerounding Clamp, 2 Way.

UK Approvals: GIS/PL2-5

AT04-2110 Sizes (mm) = 63, 90, 125, 180, 200

Size: 65 cm x 30 cm x 36 cm

Weight: 12.0 kg



125 mm Multi-Rerounding Clamp Shells (Set of 4).

UK Approvals: GIS/PL2-5

AT04-0007 Sizes (mm) = 55 / 90

Size: 12.5 cm x 12.5 cm x 4 cm

AT04-0004 Sizes (mm) = 63 / 90

Weight: 0.7 kg

AT04-0008 Sizes (mm) = 75 / 125

AT04-0005 Sizes (mm) = 90 / 125



180 mm Multi-Rerounding Clamp Shells (Set of 4).

UK Approvals: GIS/PL2-5

AT04-0002 Sizes (mm) = 110 / 180

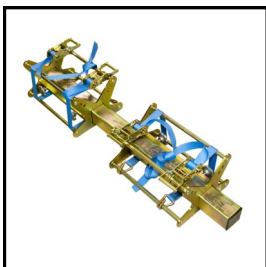
Size: 18 cm x 18 cm x 4 cm

AT04-0006 Sizes (mm) = 125 / 180

Weight: 0.8 kg

AT04-0009 Sizes (mm) = 140 / 180

AT04-0003 Sizes (mm) = 160 / 180



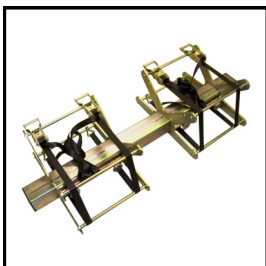
200 mm Vee-Clamp, 2 Way.

UK Approvals: GIS/PL2-5

AT05-2110 Sizes (mm) = 63 to 200

Size: 102 cm x 22 cm x 19 cm

Weight: 12.0 kg



400 mm Vee-Clamp, 2 Way.

UK Approvals: GIS/PL2-5

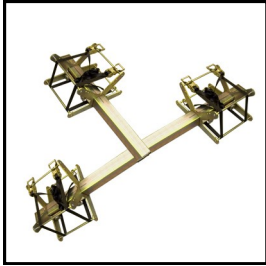
AT06-2110 Sizes (mm) = 63 to 400 [Straight Kit]

Size: 112 cm x 46 cm x 26 cm

AT06-2115 Sizes (mm) = 63 to 400 [Elbow Kit]

Weight: 24.0 kg

AT06-0020 Sizes (mm) = 63 to 400 [Elbow Adapter Kit]



400 mm Vee Clamp, 3 Way.

UK Approvals: GIS/PL2-5

Size: 225 cm x 138 cm x 26 cm

Weight: 38.0 kg

AT06-3110 Sizes (mm) = 63 to 400 [Tee Kit]

AT06-0030 Sizes (mm) = 63 to 400 [Tee Adapter Kit]



125 mm Saddle Clamp, Pillar Style.

UK Approvals: GIS/PL2-5

Size: 42 cm x 16 cm x 8 cm

Weight: 3.1 kg

AT07-0070 Sizes (mm) = 63 to 125



250 mm Saddle Clamp, Pillar Style.

UK Approvals: GIS/PL2-5

Size: 59 cm x 23 cm x 8 cm

Weight: 4.3 kg

AT07-0050 Sizes (mm) = 63 to 250



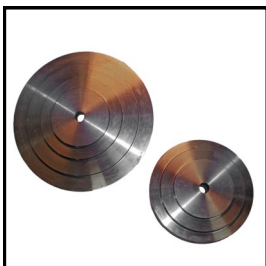
500 mm Saddle Clamp, Strap Style.

UK Approvals: GIS/PL2-5

Size: 21 cm x 13 cm x 13 cm

Weight: 1.2 kg

AT07-0040 Sizes (mm) = 63 to 500



Adapter Foot for saddle clamp.

UK Approvals: GIS/PL2-5

Size: 9 cm diameter x 2 cm

Weight: 0.2 kg

AT07-0060 Stack Sizes (mm) = 32, 63, 90

AT07-0065 Stack Sizes (mm) = 32, 63, 90, 125



Pipe Cutter, Secateurs.

UK Approvals: GIS/PL2-5

Size: 42 cm x 14 cm x 3 cm

Weight: 1.1 kg

AT08-0014 Sizes (mm) = 16 to 32

AT08-0015 Sizes (mm) = 16 to 63

AT08-0016 Sizes (mm) = 16 to 75



Pipe Cutter, Roller Wheel.

UK Approvals: GIS/PL2-5

Size: 35 cm x 15 cm x 6 cm

Weight: 1.3 kg

AT08-0020 Sizes (mm) = 40 to 140



Profuse - Pipe Exposure Tool (PET).

UK Approvals: GIS/PL2-5

Size: 10 cm x 5 cm x 7 cm

Weight: 0.1 kg

AT08-0025 All Profuse multi-layer pipe.



Pipe Scraper, Manual.

UK Approvals: GIS/PL2-5

Size: 20 cm x 8 cm x 2 cm

Weight: 0.2 kg

A408-0020 1.5 inch Hand Scraper

A408-0025 1.5 inch Blade (x2)

A408-0030 2.5 inch Hand Scraper

A408-0035 2.5 inch Blade (x2)



Pipe Scraper, Automatic.

UK Approvals: GIS/PL2-5

Size: 36 cm x 18 cm x 12 cm

Weight: 5.4 kg (in case)

AT08-0099 Sizes (mm) = 63 to 250

AT08-0100 Sizes (mm) = 63 to 250 [Supplied in carry case]

A408-0005 Replacement blade.

A408-0001 Replacement carry case.



Squeeze Off, 32 mm, Manual.

UK Approvals: GIS/PL2-7

AT09-0070 Sizes (mm) = 16, 20, 25, 32 SDR11

Size: 10 cm x 15 cm x 4 cm

Weight: 0.8 kg



Squeeze Off, 63 mm, Manual.

UK Approvals: GIS/PL2-7

AT09-0020 Sizes (mm) = 20, 25, 32, 40, 50, 63 SDR11

Size: 27 cm x 30 cm x 6 cm

Weight: 4.5 kg



Squeeze Off, 90 mm, Manual.

UK Approvals: GIS/PL2-7

AT09-0030 Sizes (mm) = 55, 63, 75, 90 SDR11

Size: 32 cm x 41 cm x 7 cm

Weight: 7.2 kg



Squeeze Off, 125 mm, Manual.

UK Approvals: GIS/PL2-7

AT09-0060 Sizes (mm) = 63, 90, 110, 125 SDR11 SDR17

AT09-0065 Sizes (mm) = 63, 90 SDR11, 63, 75, 90, 125 SDR17

AT09-0066 Sizes (mm) = 63, 75, 90, 110 SDR21

Size: 34 cm x 41 cm x 7 cm

Weight: 9.5 kg



Squeeze Off, 125 mm, Hydraulic.

UK Approvals: GIS/PL2-7

AT09-0075 Sizes (mm) = 63, 90, 110, 125 SDR11 SDR17

AT09-0080 Sizes (mm) = 63, 90 SDR11, 63, 75, 90, 125 SDR17

Size: 59 cm x 32 cm x 13 cm

Weight: 20.0 kg



Squeeze Off, 180 mm, Hydraulic.

UK Approvals: GIS/PL2-7

Size: 76 cm x 40 cm x 15 cm

Weight: 37.6 kg

AT09-0050 Sizes (mm) = 63, 90, 125, 180 SDR11 SDR17

AT09-0055 Sizes (mm) = 180 SDR17, 75, 90, 110, 125, 140 SDR21

AT09-0056 Sizes (mm) = 63, 75, 90, 110, 125, 140, 160, 180 SDR11 and SDR17



Pressure Test, Tee-Bar.

UK Approvals: GIS/TE/P6.3

Size: 18 cm x 17 cm x 4 cm

Weight: 0.6 kg

AT11-0070 Service Pipes



Pressure Test, Bayonet.

UK Approvals: GIS/TE/P6.3

Size: 17 cm x 10 cm x 5 cm

Weight: 0.3 kg

AT11-0080 Service Pipes



Pressure Test, Cow Horn.

UK Approvals: GIS/TE/P6.3

Size: 28 cm x 28 cm x 12 cm

Weight: 2.2 kg

AT11-0030 Mains Pipes. Low Pressure. 6 psi. [Orange]

AT11-0040 Mains Pipes. Medium Pressure. 55 psi. [Blue]

AT11-0050 Mains Pipes. High Pressure. 125 psi. [Red]

AT11-0051 Mains Pipes. High Pressure. 100 psi. [Green]



Pressure Test, Common Base.

UK Approvals: GIS/TE/P6.3

Size: 44 cm x 16 cm x 8 cm

Weight: 1.2 kg

AT11-0060 Fits all sizes of Cow Horn.



External Debeader, 125 mm.

UK Approvals: GIS/PL2-3

Size: 21 cm x 6 cm x 7 cm

Weight: 0.9 kg

AT15-0045 Sizes (mm) = 63 to 125

A402-0070 Replacement 125 mm blade.



External Debeader, 400 mm.

UK Approvals: GIS/PL2-3

Size: 32 cm x 10 cm x 9 cm

Weight: 2.4 kg

AT15-0010 Sizes (mm) = 63 to 400

A402-0001 Replacement 400 mm blade.



External Debeader, 500 mm.

UK Approvals: GIS/PL2-3

Size: 35 cm x 10 cm x 11 cm

Weight: 3.0 kg

AT15-0050 Sizes (mm) = 63 to 500

A402-0035 Replacement 500 mm blade.



External Debeader, 900 mm.

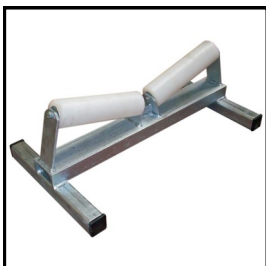
UK Approvals: GIS/PL2-3

Size: 70 cm x 20 cm x 20 cm

Weight: 15.0 kg

AT15-0100 Sizes (mm) = 315 to 900

A402-0085 Replacement 900 mm blade.



Pipe Support Rollers.

UK Approvals: -

Size: 60 cm x 35 cm x 14 cm

Weight: 9.0 kg

AT15-0200 Sizes (mm) = 63 to 400

AT15-0210 Sizes (mm) = 63 to 630



Depth Measurement Ruler.

UK Approvals: -

AT15-0300 Measures up to 120 cm depth.

Size: 120 cm x 8 cm x 0.5 cm

Weight: 1.0 kg



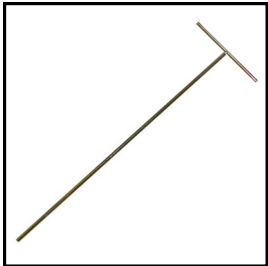
Cutter Key, 12 mm, Standard.

UK Approvals: GIS/PL2-5

AT12-0010 All tapping saddles with a 12 mm cutter.

Size: 30 cm x 23 cm x 1.2 cm

Weight: 0.5 kg



Cutter Key, 12 mm, Extended.

UK Approvals: GIS/PL2-5

AT12-0020 All tapping saddles with a 12 mm cutter.

Size: 100 cm x 30 cm x 1.2 cm

Weight: 1.5 kg



Earth Stake.

UK Approvals: -

AT15-0040 Earth Stake

Size: 24 cm x 8 cm x 1 cm

Weight: 0.2 kg