

ELECTROFUSION MACHINES TECHNICAL DATA



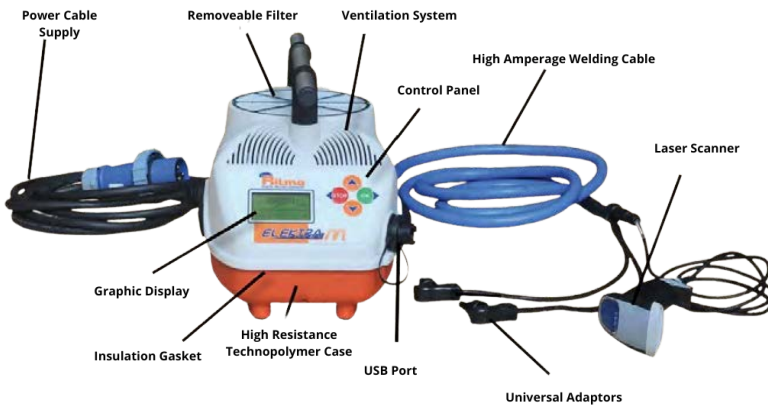
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA S

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 200mm

Materials: Technopolymer Shell



Technical Features

Description

Materials Suitable for Welding

PE, PP, PP-R

Working Range*

20mm - 200 mm: 1/2" IPS - 6" DIPS (230 V)

Automatic ambient temperature compensation (through the reading of the EF fitting barcode)

Yes

Power Supply

230 V ±15% single phase 50/60 Hz

Total absorbed power (60% Duty Cycle output)

1800 W (230V)

Maximum Output Current

70 A - 230 V

Welding Voltage

8 - 48 V

Working temperature range

-20° - 50° C

Connectors

90° Universal adaptors
4 mm - 4.7 mm

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

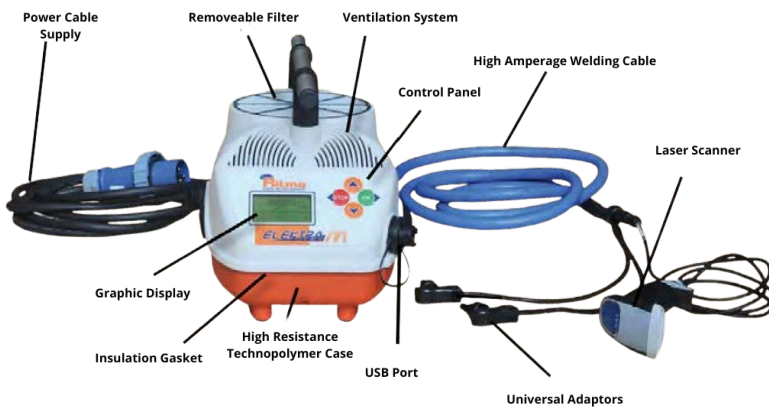
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA S

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 200mm

Materials: Technopolymer Shell



Technical Features

Description

Memory capacity	4000 Reports
Welding Report Format	PDF BIN CSV
Connection	USB Port Type A
Suggested Generator	3-5 kVA - 4 kVA
Welding Cable Length	3.1m
Dimensions	246 x 390 x 240 mm
Dimensions Carry Case	290 x 445 x 295 mm
Weight	8.4kg

* Working range might vary according to fittings brand. Check with fitting manufacturer the power and the welding time required.

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

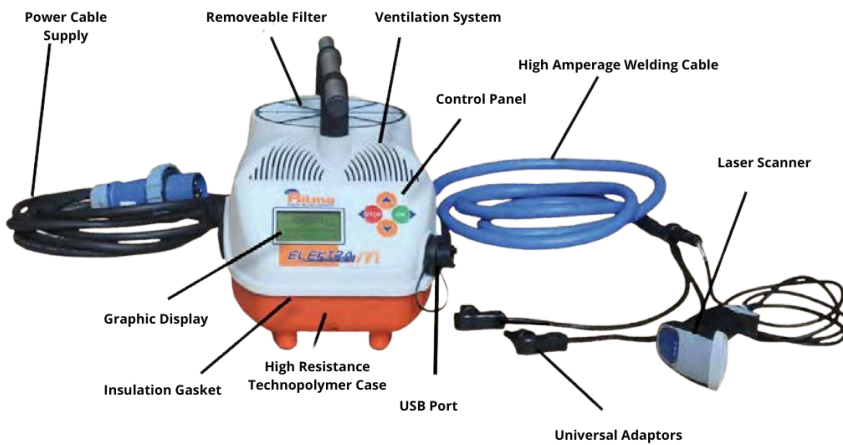
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA M

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 315mm

Materials: Technopolymer Shell



Technical Features

Description

Materials Suitable for Welding

PE, PP, PP-R

Working Range*

20mm - 315 mm: 1/2" IPS - 12" DIPS (230 V)

Automatic ambient temperature compensation (through the reading of the EF fitting barcode)

Yes

Power Supply

230 V \pm 15% single phase 50/60 Hz

Total absorbed power (60% Duty Cycle output)

2300 W (230V)

Maximum Output Current

100 A - 230 V

Welding Voltage

8 - 48 V

Working temperature range

-20° - 50° C

Connectors

90° Universal adaptors
4 mm - 4.7 mm

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

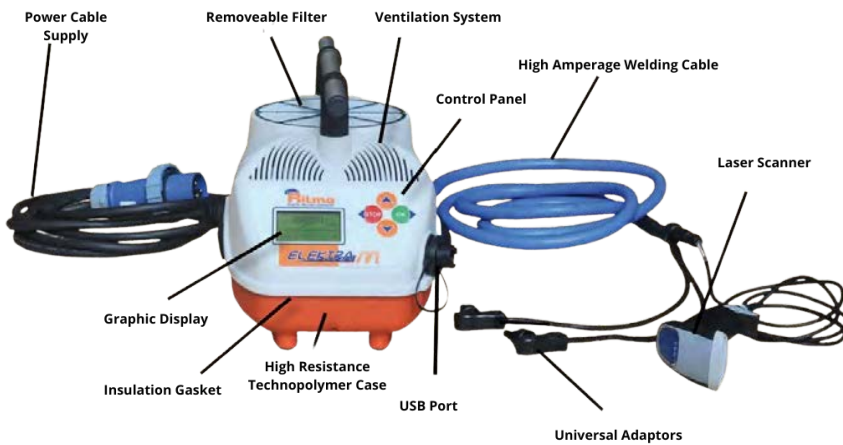
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA M

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 315mm

Materials: Technopolymer Shell



Technical Features

Description

Memory capacity	4000 Reports
Welding Report Format	PDF BIN CSV
Connection	USB Port Type A
Suggested Generator	5.5kVA - 6 kVA
Welding Cable Length	3.1m
Dimensions	246 x 390 x 240 mm
Dimensions Carry Case	290 x 445 x 295 mm
Weight	9.2kg

* Working range might vary according to fittings brand. Check with fitting manufacturer the power and the welding time required.

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

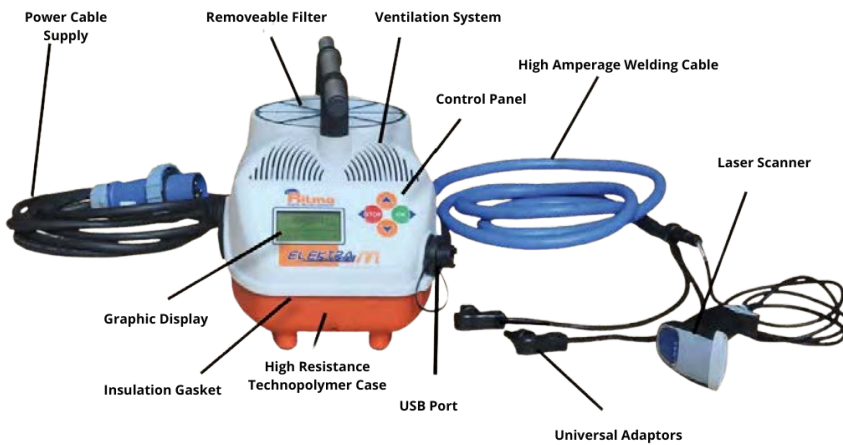
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA XL

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 1600mm

Materials: Technopolymer Shell



Technical Features

Description

Materials Suitable for Welding

PE, PP, PP-R

Working Range*

20mm - 1600 mm: 1/2" IPS - 63" IPS

Automatic ambient temperature compensation (through the reading of the EF fitting barcode)

Yes

Power Supply

230 V \pm 15% single phase 50/60 Hz

Total absorbed power (60% Duty Cycle output)

3500 W

Maximum Output Current

120 A

Welding Voltage

8 - 80 V

Working temperature range

-20° - 50° C

Connectors

90° Universal adapters
4 mm - 4.7 mm

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

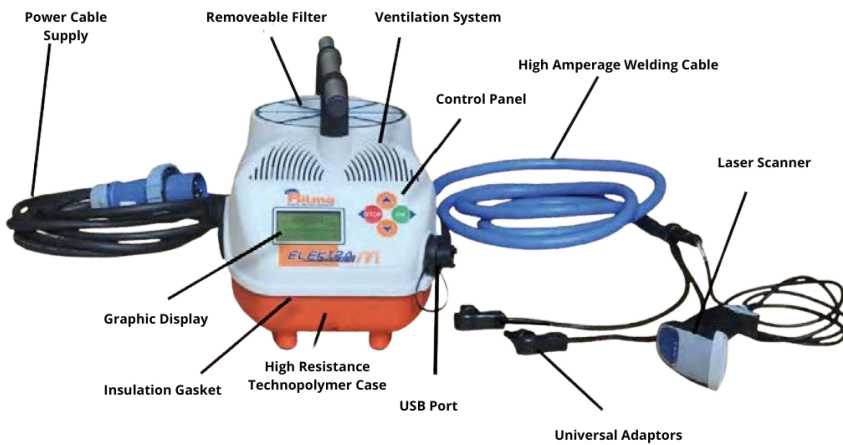
TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA XL

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 1600mm

Materials: Technopolymer Shell



Technical Features

Description

Memory capacity	4000 Reports
Welding Report Format	PDF BIN CSV
Connection	USB Port Type A
Suggested Generator	6.5 kVA - 7 kVA
Welding Cable Length	3.1m
Dimensions	246 x 390 x 240 mm
Dimensions Carry Case	290 x 445 x 295 mm
Weight	9.4kg

* Working range might vary according to fittings brand. Check with fitting manufacturer the power and the welding time required.

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

TECHNICAL DATA | ELECTROFUSION MACHINES

RITMO ELEKTRA 500

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 500mm



Technical Features	Description
Materials Suitable for Welding	PE, PP, PP-R
Working Range*	20mm - 500 mm: 1/2" IPS - 20" IPS
Power Supply	230 V \pm 15% single phase 50/60 Hz
Welding Output Voltage	8 - 48 V
Total absorbed power	3100 W (230 V)
Maximum Output Current	120 A (230V)
Suggested Generator	5.5 kVA - 6 kVA
60% Duty Cycle output	70 A
Connectors	90° Universal adapters 4 mm - 4.7 mm
Working temperature range	-20° - 50° C
Memory capacity	4000 Reports
Connections	USB for external memory and ESC-POS
Dimensions	255 x 270 x 385 mm
Dimensions Transport Case	410 x 290 x 485 mm
Weight	18kg

*Working range might vary according to fittings brand. Check with the fitting manufacturer the power and the welding time required.

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au

TECHNICAL DATA | ELECTROFUSION MACHINES RITMO ELEKTRA LIGHT

Standards: ISO 12176-3 Operator Traceability
ISO 12176-4 Fitting / Pipe Traceability
ISO 13950 Scanner

Working Range: 20mm - 160mm



Technical Features	Description
Materials Suitable for Welding	PE, PP, PP-R
Working Range*	20mm - 125mm (140mm & 160 mm couplers can be welded if machine is cooled between welds); ½" IPS ÷ 4"/6" IPS
Power Supply	230 V Single Phase 50/60 Hz
Total absorbed power (60% Duty Cycle output)	1300 W
Maximum Output Current	60 A
Connectors	90° Universal adapters 4 mm - 4.7 mm
Welding Output Voltage	8 - 48 V
Suggested Generator	3.5 kVA - 4 kVA
Outside Temperature Range	-10° - 50° C
Memory capacity	325 Reports
Connections	Adaptor DB9M-USB
Dimensions	200 x 250 x 210 mm
Weight	7kg

*Working range might vary according to fittings brand. Check with the fitting manufacturer the power and the welding time required.

Note:

Installation should always be performed by a licensed operator. It is the responsibility of the licensed installer to check that the pipe or fitting to be installed, is suitable for the system which it is being used on. Correct installation procedures should always be followed.

The drawings, materials and specifications outlined are subject to change without notice due to the continuous improvements and development of our product range.

FUSION QLD PTY LTD

ABN: 42 987 067 369
13 Vision Court, Noosaville, QLD, 4566
42-44 South Link, Dandenong, VIC, 3175

CONTACT

T: +61 7 5474 3000 (Qld)
T: +61 3 9037 4755 (Vic)
E: sales@fusionqld.com.au
W: fusionqld.com.au