PRODUCT CATALOGUE

RITMO

DRAINAGE BUTT FUSION WELDERS

Global Water Group (GWG)

Company Overview

Global Water Group (GWG) is a leading Australian supplier and solutions provider in the fluid movement and water services industry, with over 40 years of experience supporting projects across mining, civil, agriculture, aquaculture, and associated sectors. We pride ourselves on delivering high quality, custom products and services that meet the unique needs of our customers and the demanding conditions of the Australian market.

At GWG, quality is at the heart of everything we do, from design and raw material sourcing through to manufacturing, fabrication, distribution, and delivery. Our extensive product range includes polyethylene (PE) pipe spigot fittings, electrofusion fittings, valves, flanges, pipe systems, PE welding equipment, and specialised fabricated items, all designed to meet strict Australian and international standards.

Our team brings deep industry expertise and technical know-how to every project. We work closely with clients to provide tailored solutions, technical assistance, seamless supply logistics, installation support, and ongoing after sales service, ensuring the right solution for the right application every time.

GWG operates from strategically located, fully stocked warehouses along the Australian eastern seaboard, enabling us to support customers nationwide with fast turnaround times and reliable delivery. Our head office is located at our modern and efficient Brisbane facility, while our Townsville site includes a state of the art fabrication workshop staffed by certified welders capable of producing custom manifolds and complex polyethylene assemblies.

Through our commitment to quality, continuous improvement, and exceptional service, GWG has built a strong reputation as a trusted partner in water infrastructure and fluid movement solutions delivering value, reliability, and performance across every engagement.

"Together, we move water"



About This Catalogue

This catalogue has been produced by Global Water Group (GWG) to provide an overview of the Ritmo butt fusion welder range for drainage pipes, for which GWG is a trusted Ritmo distributor. Heating plates, clamp adapters and other accessories are also available.

Measurements

All dimensions in this catalogue are shown in millimetres (mm) and weights in kilograms (kg) unless otherwise stated. Measurements and specifications are provided as a guide only and are subject to change without notice. For confirmation or further information, please contact our sales team.

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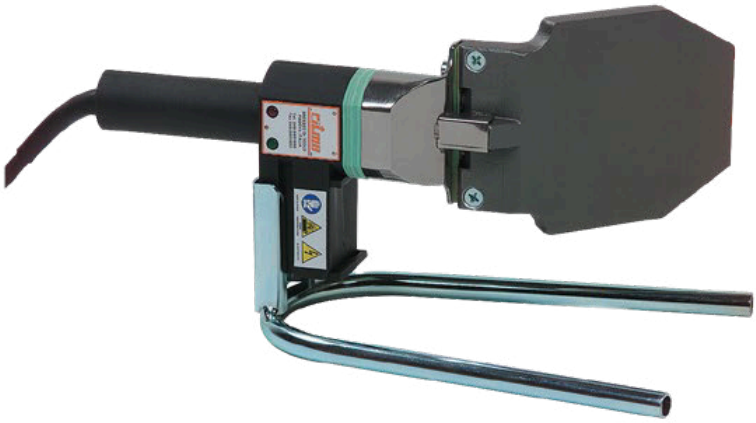
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BUTT FUSION · LIQUID DRAINAGE

Ritmo TP Series Heating Plates

Manual butt welding plates with a PTFE-coated aluminium heating plate and heat-insulated plastic handle, for drainage pipes up to Ø280 mm. Available with a fixed mechanical thermostat (TF) or adjustable electronic thermoregulator (TE).

UP TO Ø280 MM | TE · TF VERSIONS | 230 V | PTFE-COATED





FEATURES

- PTFE (Teflon)-coated aluminium heating plate
- Practical heat-insulated plastic handle
- TF: fixed mechanical thermostat, 210 °C ± 5% — HDPE
- TE: adjustable electronic thermoregulator, 180 – 280 °C ± 1% — HDPE, PP, PVC, PVDF
- Plates available in different shapes and working ranges
- Supplied with basic heating plate and fork support

TECHNICAL FEATURES

Parameter	TP 125/45°	TP 125	TP 200	TP 300
Working range	Ø110 mm · 3" DIPS	Ø125 mm · 4" DIPS	Ø180 mm · 6" DIPS	Ø280 mm · 10" DIPS
Materials TE	HDPE, PP, PVC, PVDF	HDPE, PP, PVC, PVDF	HDPE, PP, PVC, PVDF	HDPE, PP, PVC, PVDF
Materials TF	HDPE	HDPE	HDPE	HDPE
Power supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Max. absorbed power	500 W	700 W	1200 W	1300 W
Working temperature	TE 180 – 280 °C · TF 210 °C	TE 180 – 280 °C · TF 210 °C	TE 180 – 280 °C · TF 210 °C	TE 180 – 280 °C · TF 210 °C
Ambient temperature	5 – 40 °C	-5 – 40 °C	5 – 40 °C	5 – 40 °C
Time to welding temp. (TE)	~10 min	~10 min	~10 min	~10 min
Weight	1.95 kg (4.3 lb)	2.16 kg (4.7 lb)	3.21 kg (7 lb)	5.09 kg (11.2 lb)
Dimensions	140 × 130 × 370 mm	140 × 50 × 410 mm	200 × 50 × 440 mm	300 × 50 × 550 mm

ON REQUEST

- Bench vice support (all models except TP 300)
- Transportation box in electro-painted steel

The information and photos in this publication are not binding and Ritmo S.p.A. is free to make any alterations without prior notice. Global Water Group — your trusted Ritmo distributor for PE welding solutions.

BUTT FUSION · LIQUID DRAINAGE

Ritmo MINI 160 JOYT & JOYT ELBOWS

Portable butt fusion welders for drainage pipes from Ø40 to Ø160 mm, with an extractable heating plate, safety micro-switches on the milling cutter and articulated lateral supports. The ELBOWS version adds special jaws for manufacturing elbows.

Ø40 – Ø160 MM | 230 V · 2250 W | TE · TF VERSIONS | ELBOW VERSION



MINI 160 JOYT



MINI 160 JOYT ELBOWS

FEATURES

- Spring-loaded pressure-regulating device and handwheel rack-feed carriage
- Rapid-lock clamps hold elbows (even very short necks), tees and Y-branches without extra devices
- Extractable heating plate with protective housing
- Safety micro-switches on the milling cutter prevent accidental starting
- Articulated lateral supports and frame for work and transport
- ELBOWS version: special jaws for manufacturing elbows

STANDARD COMPOSITION

- Machine body with milling cutter, lateral supports and keys
- Heating plate TP 200 TE or TP 200 TF
- Right and left clamp groups Ø160 JOYT
- Frame MINI 160 JOYT
- Case with clamp and lateral support adapters Ø40, 50, 63, 75, 90, 110, 125 mm

ON REQUEST

- Clamp and lateral support adapters Ø56, 135, 140 mm
- Milling cutter blade SILENT (for Geberit)

TECHNICAL FEATURES

Parameter	Value
Working range	Ø40 – Ø160 mm
Materials	HDPE, PP, PVDF
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	2250 W
Working temperature	180 – 280 °C (TE) · 210 °C (TF)
Outside temperature range	-5 – 40 °C
Time to reach welding temperature	~10 min (TE)
Weight	50 kg
Dimensions machine working	664 × 580 × 235 mm

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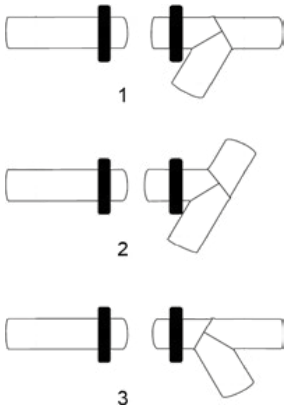
BUTT FUSION · LIQUID DRAINAGE

Ritmo VR 160 JOYT Butt Fusion Machine

Portable butt fusion welder for drainage pipes from Ø40 to Ø160 mm. JOYT clamps are designed to lock Y-branches in every possible position.

Ø40 – Ø160 MM | 230 V · 2250 W | TE · TF VERSIONS | JOYT CLAMPS





JOYT clamps lock Y-branches in all positions (1, 2, 3)

FEATURES

- JOYT clamps specifically designed to lock Y-branches in all positions
- Welds HDPE, PP, PB and PVDF drainage pipes and fittings
- TP 200 heating plate, TE (adjustable) or TF (fixed) version
- Supplied with frame and case of clamp adapters

STANDARD COMPOSITION

- Machine body with milling cutter, lateral supports and keys
- Heating plate TP 200 TE or TP 200 TF
- Right and left clamp groups Ø160 JOYT
- Frame VR 160 JOYT
- Case with clamp and lateral support adapters Ø40, 50, 63, 75, 90, 110, 125 mm

ON REQUEST

- Clamp and lateral support adapters Ø56, 135, 140 mm
- Milling cutter blade SILENT (for Geberit)

TECHNICAL FEATURES

Parameter	Value
Working range	Ø40 – Ø160 mm
Materials	HDPE, PP, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	2250 W
Working temperature	180 – 280 °C (TE) · 210 °C (TF)
Outside temperature range	-5 – 40 °C
Time to reach welding temperature	~10 min (TE)
Weight	95 kg
Dimensions machine working	1055 × 925 × 1235 mm

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BUTT FUSION · LIQUID DRAINAGE

Ritmo VR 250 Butt Fusion Machine

Portable butt fusion welder for drainage pipes from Ø75 to Ø250 mm. SUPRA clamps with extractable, interchangeable jaws lock branch fittings, shaped to the diameter being welded.

Ø75 – Ø250 MM | 230 V · 2200 W | SUPRA JAWS | STEEL CASE



FEATURES

- SUPRA clamps with extractable, interchangeable jaws for branch fittings
- Welds HDPE, PP, PB and PVDF drainage pipes and fittings
- TP VR 250 TE heating plate with adjustable electronic thermoregulator
- Steel working/transport case
- Supplied with clamp and lateral support adapters Ø75 – Ø250 mm

STANDARD COMPOSITION

- Machine body with milling cutter and lateral supports
- Clamp and lateral support adapters Ø75 – Ø250 mm (Ø140 and 180 mm on request)
- Steel working/transport case and service spanners
- TP VR 250 TE heating plate
- Right and left clamps Ø250 mm

ON REQUEST

- Clamp adapters Ø140 and 180 mm
- Lateral support adapters Ø140 and 180 mm
- SUPRA extractable upper jaw sets Ø75 – Ø225 mm
- Wooden case for SUPRA upper jaws

TECHNICAL FEATURES

Parameter	Value
Working range	Ø75 – Ø250 mm
Materials	HDPE, PP, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	2200 W
Working temperature	180 – 280 °C
Outside temperature range	-5 – 40 °C
Time to reach welding temperature	~20 min
Weight	123 kg
Dimensions machine working	835 × 1240 × 1530 mm

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BUTT FUSION · LIQUID DRAINAGE

Ritmo MAXI 315 Butt Fusion Machine

Professional butt fusion welder for medium-sized drainage pipes and sewers from Ø90 to Ø315 mm. Welds fittings such as bends and tees.

Ø90 – Ø315 MM | 230 V · 3900 W | TP 315 TE PLATE | FRAME ON WHEELS



FEATURES

- Ideal for medium-sized pipes and sewers up to Ø315 mm
- Welds fittings such as bends and tees
- Welds HDPE, PP, PB and PVDF
- TP 315 TE heating plate with adjustable electronic thermoregulator
- Steel frame on wheels for transport and use as a work bench

STANDARD COMPOSITION

- Machine body with milling cutter and lateral supports
- TP 315 TE heating plate
- Right and left clamps Ø315 mm
- Steel frame on wheels
- Metal case with clamp and lateral support adapters Ø200 and 250 mm

ON REQUEST

- Clamp adapters Ø90, 110, 125, 140, 160, 180, 225, 280 mm
- Lateral support adapters Ø90, 110, 125, 140, 160, 180, 225, 280 mm

TECHNICAL FEATURES

Parameter	Value
Working range	Ø90 – Ø315 mm
Materials	HDPE, PP, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	3900 W
Working temperature	180 – 280 °C
Outside temperature range	-5 – 40 °C
Time to reach welding temperature	~20 min
Weight	183 kg
Dimensions machine working	1420 × 1300 × 1570 mm

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Together, we move water

GLOBAL WATER GROUP (GWG)
MACKAY

Mackay, QLD 4740
AUSTRALIA
+61 447 171 983
sales@gwgpoly.com.au

GLOBAL WATER GROUP (GWG)
TOWNSVILLE

Townsville, QLD 4812
AUSTRALIA
+61 491 852 202
sales@gwgpoly.com.au

GLOBAL WATER GROUP (GWG)
BRISBANE - HEAD OFFICE

36 Hub Crescent,
Heathwood, QLD 4110
AUSTRALIA
+61 7 3517 5595
bnesales@gwgpoly.com.au