PRODUCT CATALOGUE

RITMO STARGUN

EXTRUSION 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 STARGUN extrusion welder range, for which GWG is a trusted Ritmo distributor. Welding shoes, accessories and welding rod are also available. If an item you require is not listed, please contact our sales team. GWG can source and supply a wide range of associated products and also offers custom manufacturing solutions.

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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Ritmo STARGUN Extruders — Product Overview

	UNO	LINK SERIES			K-SB SERIES		SOLO SERIES		
									
Model	**UNO**	**LINK 20**	**LINK 30**	**LINK 40**	**K-SB 50**	**K-SB 60**	**SOLO 20**	**SOLO 30**	**SOLO 40**
Materials	HDPE, PP, PVDF	HDPE, PP, PVDF	HDPE, PP, PVDF	HDPE, PP	HDPE, PP	HDPE, PP	HDPE, PP	HDPE, PP	HDPE, PP
Max. output HDPE*	1 kg/h rod Ø4 mm	2.2 kg/h rod Ø4 mm	3.2 kg/h rod Ø5 mm	4 kg/h rod Ø5 mm	5 kg/h rod Ø5 mm	6.2 kg/h rod Ø5 mm	2.2 kg/h rod Ø4 mm	3.2 kg/h rod Ø5 mm	4 kg/h rod Ø5 mm
Usable rod Ø	3 – 4 mm	3 – 4 mm	3 – 4 – 5 mm	4 – 5 mm	4 – 5 mm	4 – 5 mm	3 – 4 mm	3 – 4 – 5 mm	4 – 5 mm
Weldable sheet thickness	4 – 12 mm	1.5 – 20 mm	1.5 – 30 mm	1.5 – 30 mm	1.5 – 40 mm	1.5 – 40 mm	1.5 – 20 mm	1.5 – 30 mm	1.5 – 30 mm
Temperature control	Double	Double	Double	Double	Double	Double	Single	Single	Single
Lateral fixed air flow	—	—	—	—	✓	✓	—	—	—
360° rotating air flow & shoe	✓	✓	✓	✓	On request	On request	✓	✓	✓
Graphic display	✓	✓	✓	✓	✓	✓	✓	✓	✓
Motor potentiometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Motor block / cold start safety	✓	✓	✓	✓	✓	✓	✓	✓	✓
Optional handle	Detachable (std)	—	—	—	Pistol grip	—	—	—	—
Dimensions (cm)	35 × 27 × 10 no handle 35 × 17 × 10	51 × 26 × 10	54 × 26 × 10	64 × 20 × 10	72 × 26 × 10 pistol 60 × 33 × 10	73 × 26 × 10	45 × 31 × 10	50 × 31 × 10	55 × 31 × 10
Power supply	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Absorbed power	1750 W	3100 W	3500 W	3500 W	4000 W	4200 W	2700 W	3100 W	3300 W
Weight	3.4 kg	6.5 kg	6.8 kg	7.6 kg	9 kg	9.3 kg	6.85 kg	7.1 kg	7.6 kg

* Output varies depending on the material. Double temperature control (air / plastification) welds to DVS 2207-4. Welding rod also available: HDPE Ø4 – 5 mm · PP Ø3 – 4 mm.

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UNO

Compact hand extruder · up to 1 kg/h

PE WELDING EQUIPMENT · EXTRUSION WELDING · NEW TECHNOLOGY

Ritmo STARGUN UNO Hand Extruder

Ritmo's most compact hand extruder — light, ergonomic and precise, with double temperature control to DVS 2207-4 and a detachable handle for working in narrow spaces.

3.4 KG | UP TO 1 KG/H | ROD Ø3 – 4 MM | 230 V · 1750 W | PATENT PENDING



FEATURES

QUALITY

- Compliant with DVS 2207-4 — double temperature control of pre-heating and plastification
- Double rod inlet
- Materials: HDPE, PP, PVDF
- 360° rotating welding shoe
- Productivity up to 1 kg/h
- Detachable handle; speed control also without handle
- Air cleaning filters
- Extruder support with air deflector

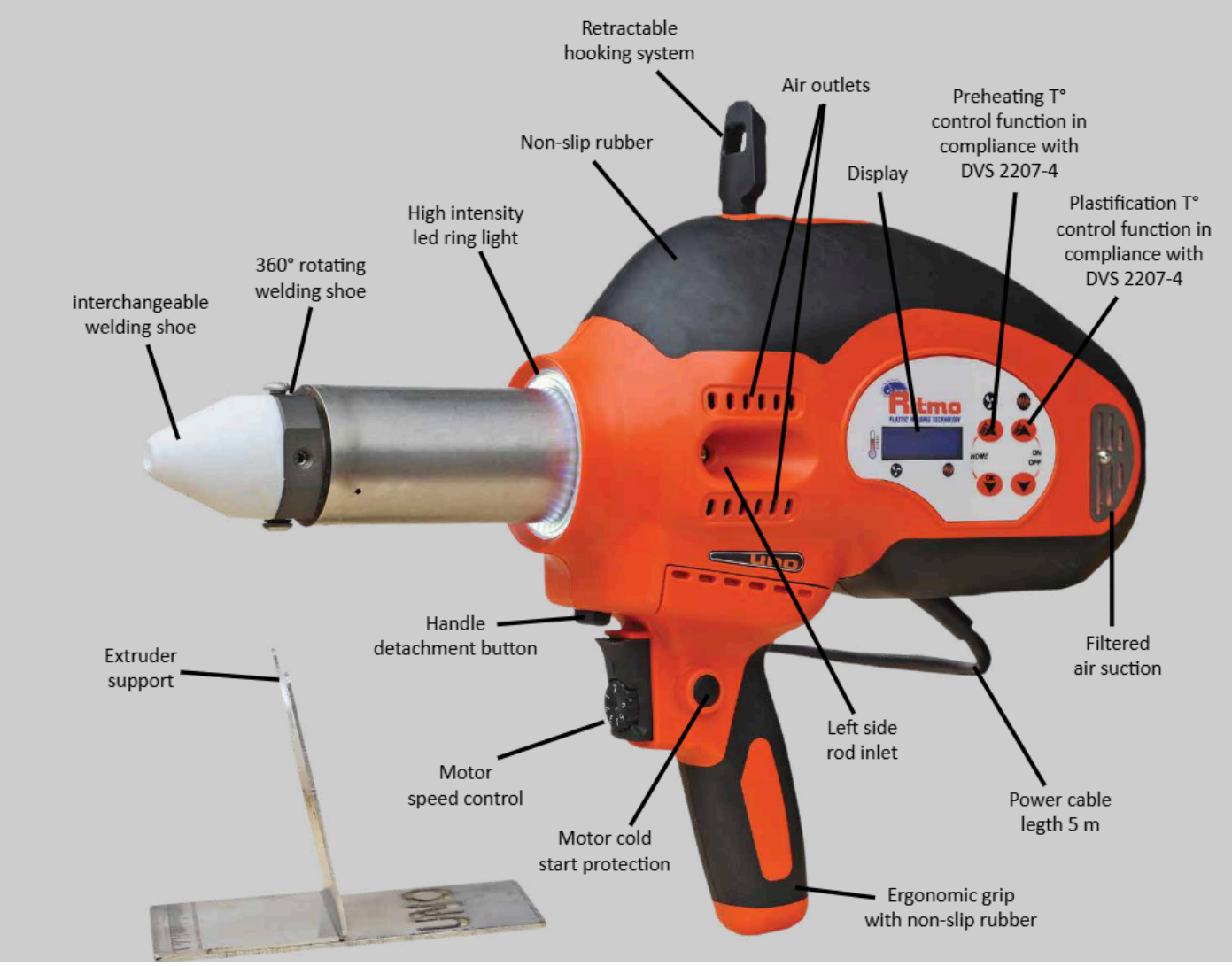
ERGONOMIC

- Design made in Italy
- Light — 3.4 kg
- Compact
- Non-slip rubber
- One-hand safe grip
- Weight balance
- Retractable hooking system

PRECISION

- Interchangeable welding shoes
- High-intensity LED ring light
- Preloaded welding parameters
- Custom welding parameters can be set
- Handle detaches without switching off
- Motor cold-start protection

PRODUCT OVERVIEW



DON'T STOP ME — DETACHABLE HANDLE



The handle detaches quickly and easily without switching the extruder off. In a few seconds UNO converts to its compact configuration for narrow spaces, and welding speed can be adjusted in both configurations with the potentiometer.

TECHNICAL FEATURES

Parameter	Value
Materials	PE, PP, PVDF — for other materials contact Ritmo
Rods	Ø3 – 4 mm
Weldable sheet thickness	4 – 12 mm
Productivity	Up to 1 kg/h (rod Ø4 mm)
Power supply	230 V 50/60 Hz
Absorbed power	1750 W
Weight	3.4 kg (without power cable)
Dimensions with handle	354 × 273 × 96 mm
Dimensions without handle	354 × 173 × 96 mm
Transport case dimensions	500 × 450 × 140 mm
Power cable length	5 m
Acoustic emissions	< 70 dBA

STANDARD COMPOSITION



- Hand extruder UNO 230 V with 5 m power cable
- Steel extruder support with non-heat-dispersion deflectors
- Narrow-space configuration with conversion kit
- Conical welding shoe Ø11 mm
- 90° welding shoe a = 4.2 mm
- Service wrench
- Technopolymer transport case

AVAILABLE WELDING SHOES (TO DVS STANDARD)

90° WELDING

Model	Sheet	Article
90° – a 2.8 mm	4 mm	86777864
90° – a 4.2 mm	6 mm	86777860
90° – a 5.6 mm	8 mm	86777861
90° – a 7 mm	10 mm	86777862
90° – a 8.4 mm	12 mm	86777863

V AND X WELDING

Model	V weld “S”	X weld “S”	Article
V Flat – 6	6 mm	12 mm	86777865
V Flat – 8	8 mm	16 mm	86777866
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777867

OTHER WELDING SHOES

Model	Article
90° narrow welding shoe	86777869
Neutral welding shoe	86777875
Conical shoe Ø11 mm	86777868

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.

LINK Series

Highest performance · double temperature control

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN LINK SERIES

Ritmo STARGUN LINK 20 Hand Extruder

The most compact and lightest extruder in the range — ideal for working in narrow places. Welding quality is assured by motor speed adjustment and double temperature control of air and plastification.

2.2 KG/H OUTPUT | ROD Ø3 – 4 MM | 230 V · 3100 W | DOUBLE T° CONTROL



FEATURES

- Backlit display
- Triple high-intensity LEDs light the welding area
- Motor potentiometer with “motor block / cold start” safety system
- Independent blower
- Double thermoregulator: air and plastification (welding to DVS 2207-4)
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

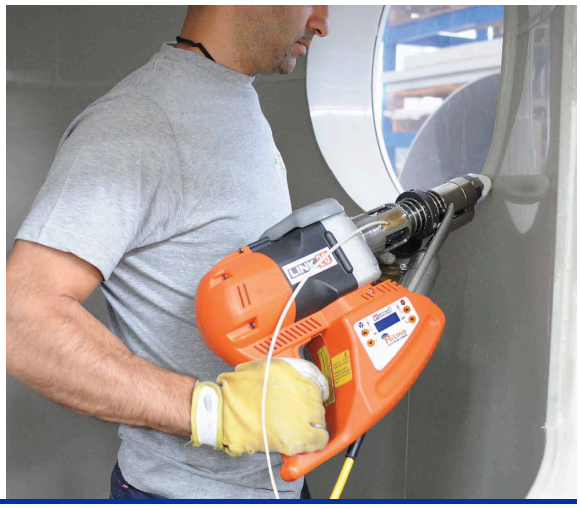
- LINK 20 with transport case
- Rotating welding shoe 90° – a 7 mm (86777821)
- Rotating welding shoe V Flat 10/12 mm (86777830)

On request: Wide range of welding shoes

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP, PVDF
Rods	Ø3 – 4 mm
Sheets	1.5 – 20 mm
Output up to*	2.2 kg/h (HDPE rod Ø4 mm)
Dimensions	510 × 260 × 110 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	3100 W
Weight	6.5 kg

* Output varies depending on the material.



WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 4.2 mm	6 mm	86777819
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818

PRODUCT CODES

Version	Article
LINK 20 CE plug	97800100
LINK 20 Schuko plug	97800102

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN LINK SERIES

Ritmo STARGUN LINK 30 Hand Extruder

Welds Ø3, 4 and 5 mm rod with output up to 3.2 kg/h — its output and manageability make LINK 30 the most versatile extruder in the range, with double temperature control of air and plastification.

3.2 KG/H OUTPUT | ROD Ø3 – 5 MM | 230 V · 3500 W | DOUBLE T° CONTROL



FEATURES

- Backlit display
- Triple high-intensity LEDs light the welding area
- Motor potentiometer with “motor block / cold start” safety system
- Independent blower
- Double thermoregulator: air and plastification (welding to DVS 2207-4)
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

- LINK 30 with transport case
- Rotating welding shoe 90° – a 10.5 mm (86777823)
- Rotating welding shoe V Flat 15 mm (86777831)

On request: Wide range of welding shoes · Geotextile kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP, PVDF
Rods	Ø3 – 4 – 5 mm
Sheets	1.5 – 30 mm
Output up to*	3.2 kg/h (HDPE rod Ø5 mm)
Dimensions	540 × 260 × 110 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	3500 W
Weight	6.8 kg

* Output varies depending on the material.



WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814

PRODUCT CODES

Version	Article
LINK 30 CE plug	97800110
LINK 30 Schuko plug	97800112

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN LINK SERIES

Ritmo STARGUN LINK 40 Hand Extruder

A high-output extruder delivering up to 4 kg/h. Power combined with manageability makes it highly productive, with double temperature control of air and plastification.

4 KG/H OUTPUT | ROD Ø4 – 5 MM | 230 V · 3500 W | DOUBLE T° CONTROL



FEATURES

- Backlit display
- Triple high-intensity LEDs light the welding area
- Motor potentiometer with “motor block / cold start” safety system
- Independent blower
- Double thermoregulator: air and plastification (welding to DVS 2207-4)
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

- LINK 40 with transport box
- Rotating welding shoe 90° – a 10.5 mm (86777823)
- Rotating welding shoe V Flat 15 mm (86777831)

On request: Wide range of welding shoes · Geotextile kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø4 – 5 mm
Sheets	1.5 – 30 mm
Output up to*	4 kg/h (HDPE rod Ø5 mm)
Dimensions	640 × 200 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	3500 W
Weight	7.6 kg

* Output varies depending on the material.



WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814

PRODUCT CODES

Version	Article
LINK 40 CE plug	97800120
LINK 40 Schuko plug	97800122

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

K-SB Series

Simply powerful · high output

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN K-SB SERIES

Ritmo STARGUN K-SB 50 Hand Extruder

A powerful, lightweight extruder for jobs that need a high volume of extruded material — linings, geotextiles, sheets and thick pipes, and applications that must resist continuous stress. Output up to 5 kg/h.

5 KG/H OUTPUT | ROD Ø4 – 5 MM | 230 V · 4000 W | TWO HANDLE OPTIONS



FEATURES

- Motor potentiometer with “motor block / cold start” safety system
- Independent blower
- Backlit display
- Double high-intensity LEDs light the welding area
- Double thermoregulator: air and plastification (welding to DVS 2207-4)
- Rotating handle
- Fixed lateral pre-heating as standard; 360° rotating air flow with adapter 81567801 (on request)

STANDARD EQUIPMENT

- K-SB 50 back handle or pistol grip, fixed lateral pre-heating with 32 mm nozzle (78947864C)
- Transport case with extruder support
- Welding shoe 90° fixed air – a 17.5 mm (86777843)
- Welding shoe V Flat fixed air – 25 mm (86777851)

On request: Welding shoes · Rotating welding shoe kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø4 – 5 mm
Sheets	1.5 – 40 mm
Output up to*	5 kg/h (HDPE rod Ø5 mm)
Dimensions — back handle	720 × 260 × 100 mm
Dimensions — pistol grip	600 × 330 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	4000 W
Weight	9 kg

* Output varies depending on the material.

WELDING SHOES — FIXED LATERAL AIR FLOW (STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 7 mm	10 mm	86777839
90° – a 8.4 mm	12 mm	86777840
90° – a 10.5 mm	15 mm	86777841
90° – a 14 mm	20 mm	86777842
90° – a 17.5 mm	25 mm	86777843
90° – a 21 mm	30 mm	86777844
90° – a 24.5 mm	35 mm	86777845
90° – a 28 mm	40 mm	86777846

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777847
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777848
V Flat – 15	15 mm	30 mm	86777849
V Flat – 20	20 mm	35 – 40 mm	86777850
V Flat – 25	25 mm	—	86777851
V Flat – 30	30 mm	—	86777852
V Flat – 35	35 mm	—	86777853
V Flat – 40	40 mm	—	86777854

WELDING SHOES — 360° ROTATING AIR FLOW (ADAPTER 81567801)

90° WELDING

Model	Sheet thickness	Article
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826
90° – a 24.5 mm	35 mm	86777827
90° – a 28 mm	40 mm	86777828

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
360° rotating air flow adapter	81567801
Lateral fixed pre-heating adapter	81567800

Item	Article
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814
Nozzle 18 mm	78947844C
Nozzle 25 mm	78947854C
Nozzle 32 mm	78947864C
Nozzle 48 mm	78947874C

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN K-SB SERIES

Ritmo STARGUN K-SB 60 Hand Extruder

The most powerful extruder in the range for jobs that need a high volume of extruded material — linings, geotextiles, sheets and thick pipes, and applications that must resist continuous stress. Output up to 6.2 kg/h.

6.2 KG/H OUTPUT | ROD Ø4 – 5 MM | 230 V · 4200 W | LATERAL PRE-HEATING



FEATURES

- Motor potentiometer with “motor block / cold start” safety system
- Independent blower
- Backlit display
- Double high-intensity LEDs light the welding area
- Double thermoregulator: air and plastification (welding to DVS 2207-4)
- Rotating handle
- Fixed lateral pre-heating as standard; 360° rotating air flow with adapter 81567801 (on request)

STANDARD EQUIPMENT

- K-SB 60 back handle, fixed lateral pre-heating with 32 mm nozzle (78947864C)
- Transport case with extruder support
- Welding shoe 90° fixed air – a 21 mm (86777844)
- Welding shoe V Flat fixed air – 30 mm (86777852)

On request: Welding shoes · 360° rotating welding shoe kit · Geotextile kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø4 – 5 mm
Sheets	1.5 – 40 mm
Output up to*	6.2 kg/h (HDPE rod Ø5 mm)
Dimensions	730 × 260 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	4200 W
Weight	9.3 kg

* Output varies depending on the material.

WELDING SHOES — FIXED LATERAL AIR FLOW (STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 7 mm	10 mm	86777839
90° – a 8.4 mm	12 mm	86777840
90° – a 10.5 mm	15 mm	86777841
90° – a 14 mm	20 mm	86777842
90° – a 17.5 mm	25 mm	86777843
90° – a 21 mm	30 mm	86777844
90° – a 24.5 mm	35 mm	86777845
90° – a 28 mm	40 mm	86777846

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777847
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777848
V Flat – 15	15 mm	30 mm	86777849
V Flat – 20	20 mm	35 – 40 mm	86777850
V Flat – 25	25 mm	—	86777851
V Flat – 30	30 mm	—	86777852
V Flat – 35	35 mm	—	86777853
V Flat – 40	40 mm	—	86777854

WELDING SHOES — 360° ROTATING AIR FLOW (ADAPTER 81567801)

90° WELDING

Model	Sheet thickness	Article
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826
90° – a 24.5 mm	35 mm	86777827
90° – a 28 mm	40 mm	86777828

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
360° rotating air flow adapter	81567801
Lateral fixed pre-heating adapter	81567800

Item	Article
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814
Nozzle 18 mm	78947844C
Nozzle 25 mm	78947854C
Nozzle 32 mm	78947864C
Nozzle 48 mm	78947874C

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

SOLO Series

Essential · single temperature control

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN SOLO SERIES

Ritmo STARGUN SOLO 20 Hand Extruder

An essential extruder for quality welds — solid, compact and reliable, with motor speed adjustment and a “motor block” system to prevent cold starts. Hot-air temperature is set on the control panel.

2.2 KG/H OUTPUT | ROD Ø3 – 4 MM | 230 V · 2700 W | SINGLE T° CONTROL



FEATURES

- Backlit display
- Double high-intensity LEDs light the welding area
- Motor potentiometer with “motor block / cold start” safety system
- Single thermoregulator: hot air, set on the control panel
- Rotating handle
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

- SOLO 20 with transport case and extruder support
- Rotating welding shoe 90° – a 7 mm (86777821)
- Rotating welding shoe V Flat 10/12 mm (86777830)

On request: Wide range of welding shoes

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø3 – 4 mm
Sheets	1.5 – 20 mm
Output up to*	2.2 kg/h (HDPE rod Ø4 mm)
Dimensions	450 × 310 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	2700 W
Weight	6.85 kg

* Output varies depending on the material.

WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 4.2 mm	6 mm	86777819
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818

PRODUCT CODES

Version	Article
SOLO 20 CE plug	97800130
SOLO 20 Schuko plug	97800132

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN SOLO SERIES

Ritmo STARGUN SOLO 30 Hand Extruder

Essential, versatile and solid — welds Ø3, 4 and 5 mm rod with motor speed adjustment and a "motor block" system to prevent cold starts. Hot-air temperature is set on the control panel.

3.2 KG/H OUTPUT | ROD Ø3 – 5 MM | 230 V · 3100 W | SINGLE T° CONTROL



FEATURES

- Backlit display
- Double high-intensity LEDs light the welding area
- Motor potentiometer with "motor block / cold start" safety system
- Single thermoregulator: hot air, set on the control panel
- Rotating handle
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

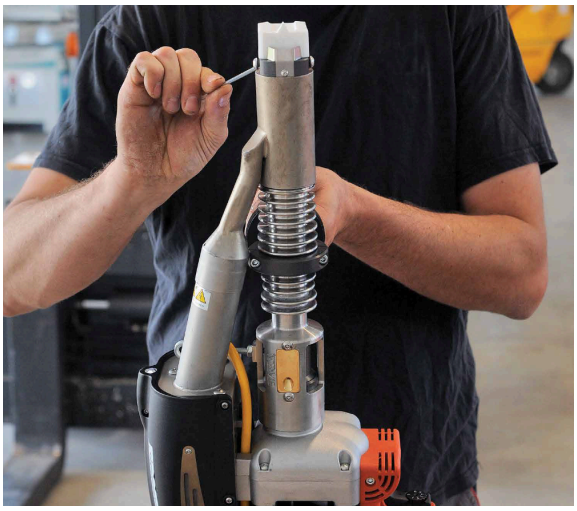
- SOLO 30 with transport case and extruder support
- Rotating welding shoe 90° – a 10.5 mm (86777823)
- Rotating welding shoe V Flat 15 mm (86777831)

On request: Welding shoes · Geotextile kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø3 – 4 – 5 mm
Sheets	1.5 – 30 mm
Output up to*	3.2 kg/h (HDPE rod Ø5 mm)
Dimensions	500 × 310 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	3100 W
Weight	7.1 kg

* Output varies depending on the material.



WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814

PRODUCT CODES

Version	Article
SOLO 30 CE plug	97800140
SOLO 30 Schuko plug	97800142

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

PE WELDING EQUIPMENT · EXTRUSION WELDING · STARGUN SOLO SERIES

Ritmo STARGUN SOLO 40 Hand Extruder

Essential, reliable and solid with a high output of up to 4 kg/h, motor speed adjustment and a “motor block” system to prevent cold starts. Hot-air temperature is set on the control panel.

4 KG/H OUTPUT | ROD Ø4 – 5 MM | 230 V · 3300 W | SINGLE T° CONTROL



FEATURES

- Backlit display
- Double high-intensity LEDs light the welding area
- Motor potentiometer with “motor block / cold start” safety system
- Single thermoregulator: hot air, set on the control panel
- Rotating handle
- 360° rotating welding shoes, easily replaceable

STANDARD EQUIPMENT

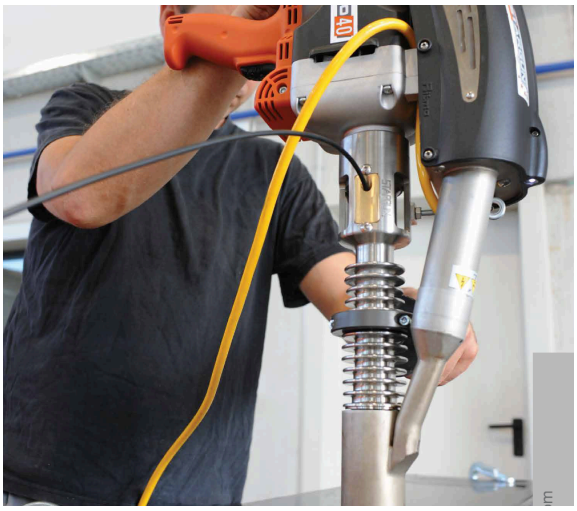
- SOLO 40 with transport case and extruder support
- Rotating welding shoe 90° – a 10.5 mm (86777823)
- Rotating welding shoe V Flat 15 mm (86777831)

On request: Welding shoes · Geotextile kit

TECHNICAL FEATURES

Parameter	Value
Materials	HDPE, PP
Rods	Ø4 – 5 mm
Sheets	1.5 – 30 mm
Output up to*	4 kg/h (HDPE rod Ø5 mm)
Dimensions	550 × 310 × 100 mm
Power supply	230 V AC 50/60 Hz
Total absorbed power	3300 W
Weight	7.6 kg

* Output varies depending on the material.



WELDING SHOES — 360° ROTATING (TO DVS STANDARD)

90° WELDING

Model	Sheet thickness	Article
90° – a 5.6 mm	8 mm	86777820
90° – a 7 mm	10 mm	86777821
90° – a 8.4 mm	12 mm	86777822
90° – a 10.5 mm	15 mm	86777823
90° – a 14 mm	20 mm	86777824
90° – a 17.5 mm	25 mm	86777825
90° – a 21 mm	30 mm	86777826

V AND X WELDING

Model	V weld "S"	X weld "S"	Article
V Flat – 8	8 mm	16 mm	86777829
V Flat – 10/12	10 – 12 mm	20 – 25 mm	86777830
V Flat – 15	15 mm	30 mm	86777831
V Flat – 20	20 mm	40 mm	86777832

ACCESSORIES

Item	Article
Special welding shoe support 45° (support only)	80047830
Special welding shoe support 90° (support only)	80047820
Special nozzle 180 mm	86777800
Nozzle for corrugated pipes	76777840
Conical 20	86777817
Conical 14	86777818
Geotextile kit	86777814

PRODUCT CODES

Version	Article
SOLO 40 CE plug	97800150
SOLO 40 Schuko plug	97800152

Welding rod also available: HDPE Ø4 – 5 mm, PP Ø3 – 4 mm. 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.

Welding Shoes

360° rotating shoes and accessories

PLASTIC WELDING · RITMO ACCESSORIES

Ritmo 360° Rotating Welding Shoes

Rotating welding shoes complete with holder, manufactured to DVS standard, for Ritmo extrusion welders. Selection tables give the sheet thickness range, part number and machine compatibility for 90° fillet, 90° external corner and V flat weld geometries.

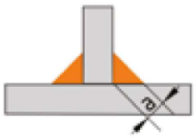
360° ROTATING SHOE COMPLETE WITH HOLDER — 90° WELDING · DVS STANDARD

Model	Sheet thickness	Part Number	UNO	LINK 20	LINK 30	LINK 40	K-SB 50	K-SB 60	SOLO 20	SOLO 30	SOLO 40
90° – a 2,8 mm	4 mm	86777864	✓	–	–	–	–	–	–	–	–
90° – a 4,2 mm	6 mm	86777860	✓	–	–	–	–	–	–	–	–
90° – a 5,6 mm	8 mm	86777861	✓	–	–	–	–	–	–	–	–
90° – a 7 mm	10 mm	86777862	✓	–	–	–	–	–	–	–	–
90° – a 8,4 mm	12 mm	86777863	✓	–	–	–	–	–	–	–	–
90° – a 4,2 mm	6 mm	86777819	–	✓	–	–	–	–	✓	–	–
90° – a 5,6 mm	8 mm	86777820	–	✓	✓	✓	–	–	✓	✓	✓
90° – a 7 mm	10 mm	86777821	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° – a 8,4 mm	12 mm	86777822	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° – a 10,5 mm	15 mm	86777823	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° – a 14 mm	20 mm	86777824	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° – a 17,5 mm	25 mm	86777825	–	–	✓	✓	✓*	✓*	–	✓	✓
90° – a 21 mm	30 mm	86777826	–	–	✓	✓	✓*	✓*	–	✓	✓
90° – a 24,5 mm	35 mm	86777827	–	–	–	–	✓*	✓*	–	–	–
90° – a 28 mm	40 mm	86777828	–	–	–	–	✓*	✓*	–	–	–

✓* requires 360° pre-heating adapter



360° ROTATING WELDING SHOE 90° WELDING



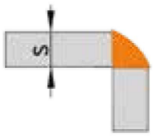
360° ROTATING SHOE COMPLETE WITH HOLDER — 90° CORNER OUTSIDE · DVS STANDARD

Model	Sheet thickness	Part Number	UNO	LINK 20	LINK 30	LINK 40	K-SB 50	K-SB 60	SOLO 20	SOLO 30	SOLO 40
90° corner outside	4 mm	86777864	–	–	–	–	–	–	–	–	–
90° corner outside	6 mm	86777860	–	–	–	–	–	–	–	–	–
90° corner outside	8 mm	86777861	–	–	–	–	–	–	–	–	–
90° corner outside	10 mm	86777862	–	–	–	–	–	–	–	–	–
90° corner outside	12 mm	86777863	–	–	–	–	–	–	–	–	–
90° corner outside	6 mm	86777819	–	–	–	–	–	–	–	–	–
90° corner outside	8 mm	86777870	–	✓	✓	✓	–	–	✓	✓	✓
90° corner outside	10 mm	86777871	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° corner outside	12 mm	86777872	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° corner outside	15 mm	86777873	–	✓	✓	✓	✓*	✓*	✓	✓	✓
90° corner outside	20 mm	86777874	–	–	–	✓	✓*	✓*	✓	✓	✓

✓* requires 360° pre-heating adapter



360° ROTATING WELDING SHOE 90° CORNER OUTSIDE



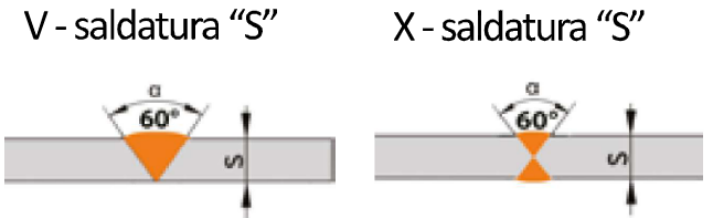
360° ROTATING WELDING SHOE V FLAT · DVS STANDARD

Model	V welding "S"	X welding "S"	Part Number	UNO	LINK 20	LINK 30	LINK 40	K-SB 50	K-SB 60	SOLO 20	SOLO 30	SOLO 40
V Flat – 6	6 mm	12 mm	86777865	✓	–	–	–	–	–	–	–	–
V Flat – 8	8 mm	16 mm	86777866	✓	–	–	–	–	–	–	–	–
V Flat 10/12	10 – 12 mm	20 – 25 mm	86777867	✓	–	–	–	–	–	–	–	–
V Flat – 8	8 mm	16 mm	86777829	–	✓	✓	✓	✓*	✓*	✓	✓	✓
V Flat 10/12	10 – 12 mm	20 – 25 mm	86777830	–	✓	✓	✓	✓*	✓*	✓	✓	✓
V Flat 15	15 mm	30 mm	86777831	–	✓	✓	✓	✓*	✓*	✓	✓	✓
V Flat 20	20 mm	40 mm	86777832	–	✓	✓	✓	✓*	✓*	✓	✓	✓

✓* requires 360° pre-heating adapter



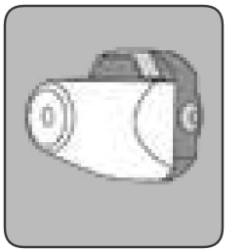
360° ROTATING WELDING SHOE V FLAT



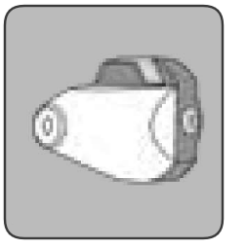
ACCESSORIES ON REQUEST — ROTATING SHOE

Model	Part Number	UNO	LINK 20	LINK 30	LINK 40	K-SB 50	K-SB 60	SOLO 20	SOLO 30	SOLO 40
Conical 11	86777868	✓	–	–	–	–	–	–	–	–
Conical 14	86777818	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Conical 20	86777817	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Conical aluminium shoe	86777876	✓	–	–	–	–	–	–	–	–
Geotextile teflon shoe	86777814	–	–	–	✓	✓*	✓*	✓	✓	✓
Geotextile shoe 30 / 2,5 mm	86777834	✓	✓	✓	✓	✓*	✓*	✓	✓	✓
Geotextile shoe 35 / 2,5 mm	86777836	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Teflon bloc 39 × 37 × 30 mm	86777812	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Special shoe support 90°	80047820	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Special shoe support 45°	80047830	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Special corrugated shoe	76777840	–	✓	✓	✓	✓*	✓*	✓	✓	✓
Special corrugated shoe 180 mm	86777800	–	✓	✓	–	–	–	✓	✓	–

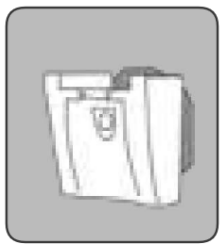
✓* requires 360° pre-heating adapter



Conical 20
86777817



Conical 14
86777818



Geotextile
86777814

Designs, materials and specifications shown are subject to change without notice due to our continuing program of product development. Confirm part numbers and machine compatibility with Global Water Group prior to ordering.

Together, we move water

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