

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

[www.ritmo.it](http://www.ritmo.it)





# Ritmo meets all your welding needs in your jobsite



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# A DVANTAGE

## RITMO



### **RITMO WORLDWIDE**

Ritmo has professional distributors and resellers all over the world. Our staff is ready to assist you in English, Spanish, French, German, Arab, Italian, Russian and Portuguese.

### **TRAINING**

From many years now, we have decided that the best way to grant a client/distributor a perfect knowledge of our products is to invest in custom training, in our own premises. These courses are aimed to teach how to operate the products in the best way, and how to supply the "first aid" when necessary.

### **PRESALES TECHNICAL ASSISTANCE**

When a client or a potential client wants to buy us a product, it is our standard procedure to help find the best solution to its needs.

### **GLOBAL ADVICE**

In such a technical field as ours, the customer requires the best assistance. Thanks to the experience developed along the years, and to the co-operation with several manufacturers, institutions, schools and training institutes, RITMO is able to give the most comprehensive advice to no matter which related issue. Our company is a long-time member of a UNIPLAST's (UNI-Italian National Plastics Standards Body) working group dedicated to the study and draw up of new standards within our field. The importance of this group is linked to the fact that the expansion of the plastic welding field ought to be followed by a crescent sensitivity for safety issues, so to have a sustainable and continuous growth. The working group prepares draws, hence present them to the UNI to be discussed and eventually transformed into new standards.

### **AFTER SALES TECHNICAL ASSISTANCE**

Ritmo's Service Centre can solve all kind of technical issues, as well as overhaul our machines. Ritmo has other Service Centres abroad, linked to its official distributors.

### **STARTING AND TESTING**

RITMO' technicians are prepared to make the starting and testing of workshop machines at the client' own premises, so that the fittings production can start almost immediately.

# ELECTROFUSION MACHINES



**WORKING RANGE Ø mm**

HIGH PRESSURE	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	> 1000	
ELEKTRA LIGHT	20	25	32	40	50	63	75	90	110	125	140	160																		
ELEKTRA 315	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315												
ELEKTRA 500	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500								
ELEKTRA 1000	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	> 1000	
ELEKTRA TOP	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	> 1000	

LOW PRESSURE	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	
MUSTANG 160 V1			32	40	50	63	75	90	110	125	140	160							
UNIVERSAL 160 V1			32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	

# MUSTANG 160 V1

This electrofusion machine is suitable for welding electrofusion fittings in HDPE from  $\varnothing$  32 to  $\varnothing$  160 mm (1" IPS ÷ 5" IPS), for low-pressure conduits. The MUSTANG 160 V1 automatically detects connection to the fitting to be welded and compensates current supplied according to ambient temperature. It is also capable of detecting any malfunction that could occur before or during welding procedures. MUSTANG 160 V1 is made in compliance with the current safety standards and Directives, and the structure is light weight which makes it extremely easy to carry around.

## SUPPLIED WITH

- Welding machine complete with cables with pins, transport case and manual scraper.



## TECHNICAL FEATURES

Working range	32 ÷ 160 mm; 1" IPS ÷ 5" IPS
Materials	HDPE
Power supply	230 V Single Phase 50/60 Hz 110 V Single Phase 50/60 Hz
Max. absorbed power	1000 W
Max. output current	5 A (230 V); 9 A (110 V)
Outside temperature range	- 5° ÷ 40° C (23° ÷ 104° F)
Ambient temperature probe	Electronic
Protection degree	IP 54
Weight machine body *	2,6 Kg (5.7 lb)
Weight with carrying case *	5,3 Kg (11.6 lb)
Dimensions machine body *	180 x 230 x 75 mm; 7.1" x 9" x 3"
Dimensions carrying case *	220 x 450 x 180 mm; 8.7" x 17.7" x 7.1"

\* mod. 230 V

# UNIVERSAL 315 V1

Electrofusion welding machine:

PP-R from  $\varnothing$  20 mm\*\* (optional cables)

- Graphic display
- Auto recognition of fittings
- Memory with 350 welding reports
- Report in PDF File
- Serial/USB connector (optional)
- Self-compensation of the current supplied (according to the ambient temperature)
- Transport case
- Firmware upgradable via USB



mod. 110 V

mod. 230 V

## STANDARD COMPOSITION

- carrying suitcase
- welding cables (A00, A00+, A01, A02, A04)
- welding extension cable
- manual scraper
- shoulder belt

## ON REQUEST

- serial/USB adapter (welding data transfer)
- welding cable (A05)
- Printer

## \*\* WELDING CABLES

**A00** 32 ÷ 160 mm (1" IPS ÷ 5" IPS)  
Coes, Akatherm, Eurofusion, Geberit, Valsir, Wavin Vulcathene

**A00+** 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Wavin (Waviduo)

**A01** 200 ÷ 315mm (6" DIPS ÷ 10" DIPS)  
Akatherm, Valsir, Eurofusion

**A02** 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Geberit

**A04** 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Coes (Coestilen)

## OPTIONAL CABLE

**A05** 20 ÷ 63mm (½" IPS ÷ 2" IPS)  
(PP-R) Coes (Coestherm - not 8÷48 V)

## TECHNICAL FEATURES

Working range	20** ÷ 315 mm; ½" IPS ÷ 10" DIPS
Power supply	230 V Single Phase 50/60 Hz 110 V Single Phase 50/60 Hz
Max. absorbed power	2470 W (230 V) 2700 (110 V)
Outside temperature range	-10° ÷ 45° C ( 14° ÷ 113° F)
Temperature compensation	Automatic Electronic
Protection degree	IP 54
Weight machine body	3,4 Kg (7.5 lb) (230 V) 19 Kg (41.8 lb) (110 V)
Weight with carrying case	7,2 Kg (15.9 lb)
Dimensions machine body	255x180x110 mm; 10" x 7.1" x 4.3" (230 V) 330x270x220 mm; 13" x 10.6" x 8.6" (110 V)
Dimensions carrying case	220x450x180 mm; 8.7" x 17.7" x 7.1" (230 V) 410x290x485 mm; 16.1" x 11.4" x 19.1" (110 V)



**Ritmo**  
PLASTIC WELDING TECHNOLOGY



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**RITMO S.p.A.**

Via A. Volta, 35/37 - 35037  
Bresseo di Teolo (PADOVA) ITALY

Ph. +39 049 9901888  
Fax +39 049 9901993

[info@ritmo.it](mailto:info@ritmo.it)  
[www.ritmo.it](http://www.ritmo.it)

