

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

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BASIC 315

Self-aligning hydraulic butt fusion machines, suitable for welding under-pressure pipes for water, gas and other fluids. Built according to the International standards (UNI 10565, ISO 12176-1), BASIC 315 includes:

- A machine body built with a supporting frame, four clamps and two hydraulic cylinders with fast non-drip coupling connections. It comes with the fast-locking-adapters system SMARTLock patented by Ritmo
- A Teflon-coated (PTFE) heating plate with a built-in independent thermometer, to check the working temperature, and an high-precision electronic thermoregulator "Digital Dragon" ($\pm 1^\circ\text{C}$) with digital display and regulating buttons. This system includes Led indicators to check if the machine is working normally (live tension and working temperature), contingent probe's failures and/or temperature anomalies.
- An extractable electric milling cutter to face the heads of the pipes and/or fittings. It includes a safety micro-switch and a thermal circuit breaker.
- An electro-hydraulic gearcase protected from crashes and atmospheric corrosion by a plastic box. It includes a control lever, to open and close the clamps, maximum pressure and discharge valves (useful also for the "Dual Pressure" welding process), hydraulic connection hoses with non-drip fast couplings and timer (to check the warming and welding time). The machine is preset for the connection of the electronic controller THE INSPECTOR.
- A milling cutter/ heating plate support

BASIC 315 is able to weld fittings like elbows, tees, Y-branches and flanges necks.
Available in the 110 V and 230 V versions.

STANDARD COMPOSITION



Machine body



Detach device
for heater



Gearcase



Heating plate
with Digital
Dragon



Milling cutter



Support

TECHNICAL FEATURES

PLUS

SMARTLOCK PATENTED BY RITMO

fast-locking
adapters system

DIGITAL DRAGON

High-Precision
Electronic
Thermoregulator

* Suggested power generator
6,5 ÷ 7kVA

Working range	90 ÷ 315 mm; 3" IPS ÷ 10" DIPS
Materials	HDPE, PP, PP-R, PVDF For other materials contact RITMO S.P.A.
Power supply	110 V Single Phase 50/60 Hz 230 V Single Phase 50/60 Hz
Total absorbed power*	3900 W (110 V) 4500W (230 V)
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 20'
Dimensions machine body (W x D x H)	981 x 586 x 520 mm (37" x 23" x 20.5")
Weight machine body	86 Kg (190 lb)
Weight standard composition	166 Kg (366 lb)

ON REQUEST



Inserts
Ø 90 ÷ 280 mm
master Ø 250 mm



Tool for flange
necks



Trolley for
machine body



The INSPECTOR
Data-logging



Rollers



watch the video

and:

Inserts Ø 3" ÷ 10" IPS; 3" ÷ 10" DIPS

pre-insulated bag for heating plate, trolley for milling cutter/heating plate, wooden case for inserts

Italy



ADVANTAGE 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.

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