

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

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





## PRISMA 90

This workshop/construction site welding machine is suitable for the socket fusion of pipes and fittings up to an OD of 90 mm, in accordance with the standards in force.

The PRISMA 90 is composed of a machine body featuring a selector for the welding depths of the different diameters, an adjustable clamp for locking the pipes, a self-centring clamp for locking the fittings (different brands), a self-centring socket welder with electronic temperature control, a device for the maximum heating depth, three machine supporting legs, a tripod to support the pipe, a set of sockets and spigots for socket fusion from  $\varnothing$  20 to  $\varnothing$  90 mm

The welding machine is available in two versions, depending on the type of sockets & spigots supplied: PRISMA 90 type A and PRISMA 90 type B.

### TECHNICAL FEATURES

#### STANDARD COMPOSITION

- Machine body complete with an electronic socket welder, fittings support and a "V" shaped pipe support;
- Machine support (composed of 3 legs);
- Steel case complete with sockets & spigots from  $\varnothing$  20 to  $\varnothing$  90 mm, centering devices from  $\varnothing$  20 to  $\varnothing$  90 mm, clamp adapters from  $\varnothing$  20 to  $\varnothing$  75 mm, and tool kit;
- Pipe support tripod.

#### ON REQUEST

- Transport wooden case

Working range	20 ÷ 90 mm
Materials	HDPE, PP, PP-R, PB, PVDF
Power supply	110 V Single Phase 50/60 Hz 230 V Single Phase 50/60 Hz
Max. absorbed power	1000 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14 ÷ 104° F)
Time to reach welding temperature	~ 10'
Weight Prisma 90	54 Kg (119 lb)
Dimensions machine working	650 x 1040 x 450 mm 25.6" x 40.9" x 17.7"
Transport case wood	710 x 630 x 460 mm 27.9" x 24.8" x 18.1"



# SOCKET & SPIGOT

These accessories are necessary for the socket fusion of pipes and fittings.

They were designed in accordance to the German standards, for which there are two version, "A" and "B", different in size and welding coupling depths.

## Type A

Ø16 SOCKET & SPIGOT (A)  
 Ø 20 SOCKET & SPIGOT (A)  
 Ø 25 SOCKET & SPIGOT (A)  
 Ø 32 SOCKET & SPIGOT (A)  
 Ø 40 SOCKET & SPIGOT (A)  
 Ø 50 SOCKET & SPIGOT (A)  
 Ø 63 SOCKET & SPIGOT (A)  
 Ø 75 SOCKET & SPIGOT (A)  
 Ø 90 SOCKET & SPIGOT (A)  
 Ø 110 SOCKET & SPIGOT (A)  
 Ø 125 SOCKET & SPIGOT (A)

## Type B

Ø16 SOCKET & SPIGOT (B)  
 Ø 20 SOCKET & SPIGOT (B)  
 Ø 25 SOCKET & SPIGOT (B)  
 Ø 32 SOCKET & SPIGOT (B)  
 Ø 40 SOCKET & SPIGOT (B)  
 Ø 50 SOCKET & SPIGOT (B)  
 Ø 63 SOCKET & SPIGOT (B)  
 Ø 75 SOCKET & SPIGOT (B)  
 Ø 90 SOCKET & SPIGOT (B)  
 Ø 110 SOCKET & SPIGOT (B)  
 Ø 125 SOCKET & SPIGOT (B)

## Type "AQ"

Ø 20 SOCKET & SPIGOT TYPE-AQ  
 Ø 25 SOCKET & SPIGOT TYPE-AQ  
 Ø 32 SOCKET & SPIGOT TYPE-AQ  
 Ø 40 SOCKET & SPIGOT TYPE-AQ  
 Ø 50 SOCKET & SPIGOT TYPE-AQ  
 Ø 63 SOCKET & SPIGOT TYPE-AQ  
 Ø 75 SOCKET & SPIGOT TYPE-AQ  
 Ø 90 SOCKET & SPIGOT TYPE-AQ  
 Ø 110 SOCKET & SPIGOT TYPE-AQ  
 Ø 125 SOCKET & SPIGOT TYPE-AQ

## Socket CTS

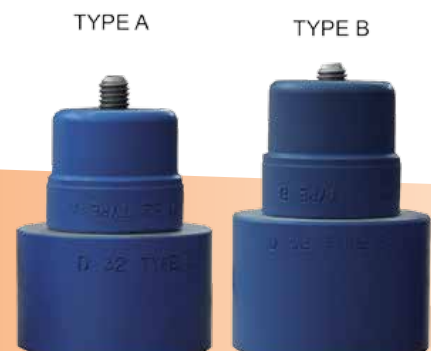
Ø ½" CTS SOCKET & SPIGOT  
 Ø ¾" CTS SOCKET & SPIGOT  
 Ø 1" CTS SOCKET & SPIGOT  
 Ø 1¼" CTS SOCKET & SPIGOT

## Socket IPS

Ø ½" IPS SOCKET & SPIGOT  
 Ø ¾" IPS SOCKET & SPIGOT  
 Ø 1" IPS SOCKET & SPIGOT  
 Ø 1¼" IPS SOCKET & SPIGOT  
 Ø 1 ½" IPS SOCKET & SPIGOT  
 Ø 2" IPS SOCKET & SPIGOT  
 Ø 3" IPS SOCKET & SPIGOT  
 Ø 4" IPS SOCKET & SPIGOT

## Hole repairing Sockets and accessories

Ø 7 mm HOLE REPAIRING SOCKET & SPIGOT  
 Ø 8 mm HOLE REPAIRING SOCKET & SPIGOT  
 Ø 11 mm HOLE REPAIRING SOCKET & SPIGOT





# 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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