

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

www.ritmo.it



Meets all your welding needs on the jobsite



The information and photos in this publication are not binding and RITMO S.P.A. is free to make any alterations without prior notice.



About us

Starting from a small workshop in the province of Padua in 1979, with a lathe and a milling machine but with many ideas and passion, Renzo Bortoli shaped and brought to life what, year after year, became RITMO SPA: an internationally recognized company in the field of welding machines for plastic pipes and sheets.

Today, Ritmo continues to produce entirely in Italy, in Teolo, maintaining the spirit of a "Family Company," where professionals and skilled individuals passionately continue to offer their expertise to provide products that make a difference when used on-site.

Mission

A Ritmo product is not bought, it is chosen. Our mission is to transform challenges into solutions with innovation and adaptability, crafting machines that create strong connections and build trust, one weld at a time.



Rossella Contiero - CEO



Renzo Bortoli - Founder

165
COUNTRIES
where RITMO
has been supplying
products

OVER 100
PRODUCTS
ON CATALOG

MADE
IN **ITALY**

90%
EXPORT

+ 80%
GROWTH
2014 - 2023



OMEGA 400 - 315

OMEGA 630 - 315

**HYDRAULIC
CLAMPS**



OMEGA 400 - 315 and OMEGA 630 - 315 are a saddle fusion machines for workshop use. Perfect to manufacture special parts, such as reduced tees and crosses for water pipeline used in drainage/sewerage applications.

OMEGA 400 - 315 Main pipe $\varnothing 90 \div 400$ mm; Branch Pipe $\varnothing 50 \div 315$ mm

OMEGA 630 - 315 Main pipe $\varnothing 90 \div 630$ mm; Branch Pipe $\varnothing 50 \div 315$ mm

Available a model OMEGA IPS (24" IPS - 12" IPS) Main pipe $\varnothing 3" \div 24"$ IPS; Branch Pipe $\varnothing 1\frac{1}{2}" \div 12"$ IPS

STANDARD COMPOSITION:

- Machine body with manual carriage for socket centring
- Hydraulic jaws for locking pipe & branches
- Side support for branches
- Quick release inserts
- Hydraulic movement of heating plate that can host male/female sockets with heating plate detaching device
- Reduced Tee Driller (on request)



**EASY LIFE
WELDING
SYSTEM**



REDUCING BRANCHES

OMEGA 400 - 315

Ø mm BRANCH PIPE		50	63	75	90	110	125	140	160	180	200	225	250	280	315
Ø mm MAIN PIPE	90	*	*												
	110	*	*	*											
	125	*	*	*	*										
	140		*	*	*	*									
	160			*	*	*	*	*							
	180				*	*	*	*	*	*					
	200					*	*	*	*	*	*				
	225						*	*	*	*	*	*			
	250							*	*	*	*	*	*		
	280								*	*	*	*	*	*	
	315									*	*	*	*	*	*
	355										*	*	*	*	*
	400											*	*	*	*

OMEGA 630 - 315

Ø mm BRANCH PIPE		50	63	75	90	110	125	140	160	180	200	225	250	280	315
Ø mm MAIN PIPE	90	*	*												
	110	*	*	*											
	125	*	*	*	*										
	140		*	*	*	*									
	160			*	*	*	*	*							
	180				*	*	*	*	*	*					
	200					*	*	*	*	*	*				
	225						*	*	*	*	*	*			
	250							*	*	*	*	*	*		
	280								*	*	*	*	*	*	
	315									*	*	*	*	*	*
	355										*	*	*	*	*
	400											*	*	*	*
	450												*	*	*
	500													*	*
	560														*
	630														*

OMEGA 24" - 12" IPS

Ø IPS BRANCH PIPE		1 ½	2	2 ½	3	4	5	6	8	10	12
Ø IPS MAIN PIPE	3	*	*								
	4	*	*	*							
	5	*	*	*	*						
	6	*	*	*	*	*					
	8	*	*	*	*	*	*				
	10	*	*	*	*	*	*	*			
	12	*	*	*	*	*	*	*	*		
	14	*	*	*	*	*	*	*	*	*	
	16	*	*	*	*	*	*	*	*	*	*
	18	*	*	*	*	*	*	*	*	*	*
	20	*	*	*	*	*	*	*	*	*	*
	22	*	*	*	*	*	*	*	*	*	*
	24	*	*	*	*	*	*	*	*	*	*



TECHNICAL FEATURES	OMEGA 400 - 315	OMEGA 630 - 315
Materials	HDPE, PP	HDPE, PP
Power supply	230 Vac 50/60 Hz	230 Vac 50/60 Hz
Total absorbed power	6500 W	6500 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)	180° ÷ 280° C (356° ÷ 536° F)
Weight: machine	760 Kg (1675lb)	760 Kg (1675 lb)
Weight: control panel	55 Kg (1740 lb)	55 Kg (1740 lb)
Dimensions: machine	1680 x 1600 x 1690 mm; 66.1" x 63" x 66.5"	1680 x 1600 x 1690 mm; 66.1" x 63" x 66.5"
Dimensions: control panel	600 x 600 x 1150 mm; 23.6" x 23.6" x 45.2"	600 x 600 x 1150 mm; 23.6" x 23.6" x 45.2"

ADVANTAGE RITMO

RITMO WORLDWIDE

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

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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