



DELTA 1200 and DELTA 48"

Self-aligning welding machines, suitable for welding HDPE pipes and ducts for the transport of water and other fluids under pressure, up to Ø 1200 (Delta 1200) 48" IPS (DELTA 48"). The DELTA 1200 and DELTA 48" were designed in accordance to international standards (UNI 10565, ISO 12176-1), and consists of:

- Machine body with a bearing frame, four steel clamps and two hydraulic thrust cylinders with non-drip quick couplings and steel inserts.
- Extractable heating plate with separate thermometer for reading the working temperature.
- Extractable electrically controlled milling cutter (with self detaching device) for levelling the ends of the pipe and/or fitting, with a safety microswitch, overload cut out, and emergency push button.
- Electrohydraulic gearcase with a clamp opening and closing lever, maximum pressure and discharge valves (useful also during the "Dual Pressure" welding), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases) and an electrical panel with a differential circuit breaker.
- Milling cutter/heating plate support with an electronic thermoregulator for the control of the working temperatures.

Holes on the chassis to hook the machine for a rapid and easier handling.

DELTA 1200 and DELTA 48" can weld fittings such as elbows, tees, branches and flange necks. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting must be locked in the 4th clamp. Necks with a highly reduced tang can be welded with the help of a special tool (on request), applied to the clamps.

STANDARD COMPOSITION



Machine body



Detach device
for heater



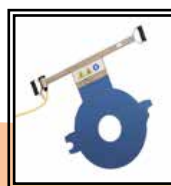
Gearcase



Electronic
thermoregulator



Milling cutter



Heating plate



Support

TECHNICAL FEATURES

PLUS

DELTA 1200
710 ÷ 1200 mm

DELTA 48"
28" IPS ÷ 48" IPS

MASTER 1000 mm

* Suggested power generator
50kVA

Working range	DELTA 1200 710 ÷ 1200 mm
	DELTA 48" 28" IPS ÷ 48" IPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
Power supply*	400 V 3F+N+PE 50/60 HZ
Total absorbed power	28200 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 45'
Dimensions machine body (W x D x H)	2465 x 1870 x 1900 mm (97" x 73.5" x 75")
Weight machine body	2500 Kg (5510 lb)
Weight trolley	830 Kg (1830 lb)

ON REQUEST



Inserts **Delta 1200**
Ø 710 ÷ 1100 mm
Master Ø 1000 mm



Tool for flange
necks



Trolley for
machine body



Electrical crane



The **INSPECTOR**
Data-logging



Rollers

Delta 48"
Ø 28" ÷ 48" IPS;
Ø 30" ÷ 42" DIPS

and Trolley for support Heating Plate/Facer

Venezuela



BUTT FUSION MACHINES REFERENCE



WORKING RANGE Ø mm	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	1200	1400	1600
GAMMA 160		40	50	63	75	90	110	125	140	160																			
DELTA 160 M	32	40	50	63	75	90	110	125	140	160																			
DELTA 200 M				63	75	90	110	125	140	160	180	200																	
BASIC 160		40	50	63	75	90	110	125	140	160																			
BASIC 200				63	75	90	110	125	140	160	180	200																	
BASIC 250					75	90	110	125	140	160	180	200	225	250															
BASIC 315						90	110	125	140	160	180	200	225	250	280	315													
BASIC 355								125	140	160	180	200	225	250	280	315	355												
COMPACT 355								125	140	160	180	200	225	250	280	315	355												
BASIC 160 EASY LIFE		40	50	63	75	90	110	125	140	160																			
BASIC 200 EASY LIFE				63	75	90	110	125	140	160	180	200																	
BASIC 250 EASY LIFE					75	90	110	125	140	160	180	200	225	250															
BASIC 315 EASY LIFE						90	110	125	140	160	180	200	225	250	280	315													
BASIC 355 EASY LIFE								125	140	160	180	200	225	250	280	315	355												
DELTA 500 EASY LIFE												200	225	250	280	315	355	400	450	500									
DELTA 630 EASY LIFE															280	315	355	400	450	500	560	630							
DELTA 500												200	225	250	280	315	355	400	450	500									
DELTA 630															280	315	355	400	450	500	560	630							
DELTA 800																				500	560	630	710	800					
DELTA 1000																						630	710	800	900	1000			
DELTA 1200																							710	800	900	1000	1200		
DELTA 1600 ECO / 1600 HDR																								800	900	1000	1200	1400	1600
DELTA 250 TRAILER					75	90	110	125	140	160	180	200	225	250															
DELTA 355 TRAILER								125	140	160	180	200	225	250	280	315	355												
DELTA 355 ALL TERRAIN								125	140	160	180	200	225	250	280	315	355												
DELTA 500 TRAILER												200	225	250	280	315	355	400	450	500									
DELTA 500 ALL TERRAIN												200	225	250	280	315	355	400	450	500									
DELTA 630 TRAILER													225	250	280	315	355	400	450	500	560	630							
DELTA 630 ALL TERRAIN													225	250	280	315	355	400	450	500	560	630							
DELTA 1000 TRAILER																315	355	400	450	500	560	630	710	800	900	1000			
DELTA DRAGON 250 CNC					75	90	110	125	140	160	180	200	225	250															
DELTA DRAGON 315 CNC						90	110	125	140	160	180	200	225	250	280	315													
WORKING RANGE Ø mm	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	1200	1400	1600





Global Water Group

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