

BASIC 315



The **BASIC 315** is a manual hydraulic mirror welding machine, suitable for welding pressure pipe systems for water, gas, or other media. The machine has a range of **90 to 315 mm** and is built according to international standards (UNI 10565, ISO 12176-1).

The machine contains:

- A machine sled with frame, 4 clamps, 2 hydraulic cylinders and hydraulic hoses with anti-leak couplings that can be plugged in and out quickly.
- A PTFE coated heating plate with a built-in thermometer, and a high-precision digital-electronic thermoregulator "Digital Dragon" ($\pm 1\%$). This system contains LED indicators and monitors the normal operation of the machine (voltage and temperature control).
- A removable surface planer to straighten the ends of the tube/fitting. It includes a safety micro-switch and a thermal circuit breaker.
- An electric-hydraulic control box, protected against impact and atmospheric corrosion by means of a plastic box. The control box contains a lever to operate the clamps (open-close), a maximum pressure and discharge valve (also usable for the "dual pressure" welding process), an analog reading of the current pressure and a timer to keep an eye on the load times. The control box is equipped with a connection for the electronic data logging unit "THE INSPECTOR".
- A holder for flat planer and heating plate

With the **BASIC 315** you can weld tubes and fittings such as knieën, te-pieces, Y-pieces and collar bushings.
Standard in 230V (110V on request)

TECHNICAL DATA

		BASIC 315
Diameter range	∅	90 - 315 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PB, PVDF
Power supply		230 V Single Phase
Total power consumption	W	4500 W
Recommended generator		6.5 / 7 kVA
Temperature setting range	°C	180°C / 280°C
Ambient temperature	°C	-10°C / 40°C
Time needed to reach welding temperature		< 20'
Noise level	Lwa	72 dB (A)
Memory		-
Pre-adjustable welding cycles		-
Wi-Fi ready		-
GPS		-
Mirror temperature		Adjustable
Mirror temperature readable		Digital
Automatic extraction of heating plate		-
Automatic extraction of flat planer		-
Smartlock inserts		Yes
Lifting support clamps-heating plate-flat planer		-
Dimensions machine-base	L x W x H	981 x 586 x 520 mm
Dimensions control box	L x W x H	470 x 250 x 370 mm
Machine base weight	Kg	86 kg
Handlebar box weight	Kg	26 kg
Weight flat planer	Kg	24 kg
Heating plate weight	Kg	13 kg
Holder weight	Kg	14 kg
Weight standard composition	Kg	166 kg

MACHINES

91165533	BASIC 315 V1 (230V - 1~)
91165534	BASIC 315 V1 (230V - 1~) with Inserts Ø 90 - 280 mm
91165552	BASIC 315 V1 (230V - 1~) Schuko Plug
91165527	BASIC 315 V1 (230V - 1~) Schuko Plug with Inserts Ø 90 - 280 mm

OPTIONS

87295671	Complete SET of Inserts 90 - 280mm
87295133	Inserts Master Ø 250mm
87283795	Inserts Ø 145mm GERODUR
87284070	Inserts Ø 166mm GERODUR
87284340	Inserts Ø 187mm GERODUR
87284610	Inserts Ø 207mm GERODUR
87294873	Inserts Ø 232mm GERODUR
87292979	Inserts Ø 90mm
87293249	Inserts Ø 110mm
87293518	Inserts Ø 125mm
87293786	Inserts Ø 140mm
87294057	Inserts Ø 160mm
87294325	Inserts Ø 180mm
87294593	Inserts Ø 200mm
87294864	Inserts Ø 225mm
87295403	Inserts Ø 280mm
33153221	Pre-Insulated BAG for Heating Plate
87355132	Thin Insert diam 250 for one Clamp
80403400	Tool for Flange Necks
81211067	Trolley for Heating plate + Milling Cutter + Gearcase
81211160	Trolley for Machine Basics
71261240	Wooden Case for Inserts

SPARE PARTS

92158063	Gearcase 0,37 kw- 1,1cc (schuko plug 230V)
92158082	Gearcase 0,37 kw-1,1cc-230V
90026671	Heating plate (schuko plug - 230V)
90026670	Heating plate (230V)
87295133	Inserts Master Ø 250mm
81741188	Machine Body and Tool Kit
81801168	Milling Cutter (Schuko Plug - 230V)
81801158	Milling Cutter (230V)
83621152	O-Ring SET for Cylinders 81491175
84461150	SET of Blades for Milling Cutter (2pcs)
84461151	SET of Blades for Milling Cutter - for PP - (2pcs)
88161161	Support for Milling Cutter/ Heating plate
87355132	Thin Insert diam 250 for one Clamp