

POLYFUSION 2-100



Polyfusion 2-100

The **POLYFUSION 2-100** is a **2-meter** wide and easy to use manueel hydraulic mirror welding machine, suitable for welding PE and PP **sheets up to 100mm thickness**. The welding process is handled by a control panel that operates a hydraulic control box. This control panel can be moved horizontally.

The machine can operate according to DVS2207-1 and DVS2207-11.

Main features:

- The sheets are clamped onto the machine by a hydraulic clamp. The locking arm has a hinged joint that allows the welding sheets to be opened and easily removed.
- The work surface has a scale indication on both sides, which accelerates the positioning and centering of the sheets.
- The welding mirror (located below the work surface) is manually adjusted in height with the help of a handwheel.
- The temperature is controlled by the "Digital Dragon" electronic thermoregulator.
- The machine can also weld double-walled sheets.

TECHNICAL DATA

		POLYFUSION 2-100
Plate thickness range *	Mm	3 - 100 mm
Maximum width plate *	Mm	2000 mm
Materials		HDPE, PP
Power supply		400 V Three Phase
Total power consumption	W	10300 W
Pressure range	Bar	0 - 170 Bar
Minimum air pressure	Bar	-
dvs 2207		Yes
LED lights		-
"Airplus" system (safety in case of pressure drop)		-
"Adjusty" system		-
Temperature setting range	°C	180°C / 250°C
Electronic thermoregulator		Yes
Straight weld		Yes
90° welding		-
cylinder weld		-
Double-walled sheets		Yes
Welding system		Manual Hydraulic
Moving the welding mirror		Manually
Clamping sheets		Hydraulic
Locking 90° sheets		Manually
Sliding control panel		Yes
Preset welding parameters		-
Self-adjustable welding parameters		-
Memory		-
USB		-
PDF reports		-
Display		-
Dimensions machine-base	L x W x H	3440 x 2000 x 1450 mm
Weight standard composition	Kg	1200 kg

* The welding dimensions refer to PP/HDPE with welding pressure 0.17 N/mm²

MACHINE

93500017 POLYFUSION 2-100 -(400V - 3~) Manual Hydraulic Sheet Welding Machine, 2m lenght, s=100mm

OPTIONS

99840010 RED External Debeader 90 / 400 (3" iPS - 14" ips)
98850109 Car Transformer (18KVA 208-220-240/400Vac 3F)
98850110 Car Transformer (18KVA 440-460-480/400Vac 3F)
98850111 autotr. 18 kva 440-460-480/400Vac 3f