POLYFUSION 1-25



With its **1-meter** width, the POLYFUSION **1-25** is a very compact and easy to use manual hydraulic mirror welding machine, suitable for welding PE and PP **sheets** up **to 25mm 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 shall be clamped onto the machine by manually operated handwheels. 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 has a small, modulated support frame, to perform 90° welding.
- The machine can also weld double-walled sheets.
- There is a support at the bottom of the machine, on which tools can be placed.

TECHNICAL DATA

		POLYFUSION 1-25
Plate thickness range *	Mm	2 - 25.4 mm
Maximum width plate *	Mm	1000 mm
Materials		HDPE, PP
Power supply		230 V Single Phase
Total power consumption	W	1580 W
Pressure range	Bar	0 - 120 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 / 280°C
Electronic thermoregulator		Yes
Straight weld		Yes
90° welding		Yes
cylinder weld		-
Double-walled plates		Yes
Welding system		Manual hydraulic
Moving the welding mirror		Manually
Clamping plates		Manually
Locking 90° plates		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	1420 x 900 x 1190 mm
Weight standard composition	Kg	118 kg

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

MACHINE

93500020	POLYFUSION 1-25 -(230V - 1~) Manual Hydraulic Sheet Welding Machine, 1m length, s=25mm + 90° Welding kit

OPTIONS

99840010	RED External Debeader 90 / 400 (3" iPS - 14" ips)
71653910	Transport Cage Metal
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