



The powerful WELDPLAST S4 in use.



Perfectly stowed in storage case.

## Extrusion welder

### WELDPLAST S4

Compact and ergonomic. The WELDPLAST S4 extrusion welder is the first of its type with its brushless, maintenance-free motor for generating preheated air. An output of up to 8.8 lbs/h is possible due to its powerful drive system.

- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- Air flow 15.9 cfm
- Dual-sided twist-free wire intake
- Maintenance free blower

#### Technical Data

Voltage	V~	230
Power	W	3680
Material		PE / PP
Welding rod	inch	Ø 0.12 or Ø 0.16
Output	lbs/h	4.9 – 8.8
Size (L x W x H)	inch	22.1 x 4.3 x 11.8
Weight	lbs	17.6 (without cord)
Conformity marking		CE
Approval mark		§
Certification scheme		CCA
Protection class I		⊕

#### Article No.:

116.948 Extrusion welder WELDPLAST S4, 230V / 3680 W, with Euro plug

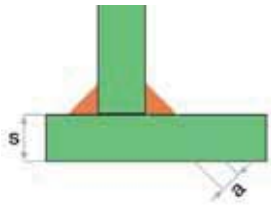
Included in delivery: WELDPLAST S4, blank welding shoe, pre-heating nozzle small, middle and large, storage case

## Accessories WELDPLAST S4

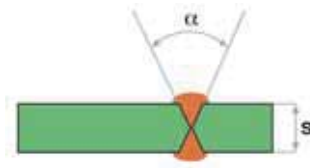
	<b>119.217</b>	<b>Welding shoe complete</b>
	<b>119.222</b>	Blank welding shoe 2.0 x 1.6 x 1.5 inch Blank welding shoe 2.8 x 2.0 x 1.9 inch
	<b>119.194</b>	V-seam 0.3 / 0.4 and X-seam 0.6 / 0.8
	<b>119.195</b>	V-seam 0.47 and X-seam 1.0 inch
	<b>119.196</b>	V-seam 0.6 and X-seam 1.2 inch
	<b>119.197</b>	V-seam 0.8 and X-seam 1.4 / 1.6 inch
	<b>119.198</b>	V-seam 1.0 inch
	<b>119.161</b>	Fillet weld 0.3 / 0.4 (a = 0.3) inch
	<b>119.163</b>	Fillet weld 0.6 (a = 0.4) inch
	<b>119.164</b>	Fillet weld 0.8 (a = 0.55) inch
	<b>119.165</b>	Fillet weld 1.0 (a = 0.7) inch
	<b>119.190</b>	Overlap 1.4 inch
	<b>135.901</b>	Overlap 1.6 inch
	<b>129.009</b>	Corner, short, 0.8 inch
	<b>129.011</b>	Corner, long, 0.55 inch
	<b>117.064</b>	Side hot air guide
	<b>117.065</b>	Top hot air guide
	<b>117.053</b>	Pre-heating nozzle small, 0.8 inch
	<b>117.518</b>	Pre-heating nozzle middle, 1.0 inch
	<b>117.055</b>	Pre-heating nozzle large, 1.4 inch
	<b>118.804</b>	Tool rest
	<b>136.231</b>	Pre-heat reflector
	<b>109.984</b>	Heating element, 230 V / 2200 W
	<b>123.173</b>	Storage case

## Possibilities of welding seams

a = seam size s = material thickness  $\alpha$  = milling angle

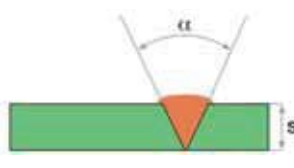


Fillet welding seam



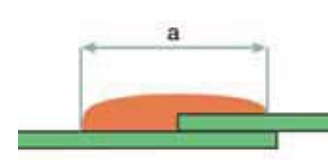
X-seam

s = 0.4 – 1.6 inch =  $\alpha$  60°  
s = 2.0 – 2.4 inch =  $\alpha$  50°



V-seam

s = 0.2 – 0.8 inch =  $\alpha$  60°  
s = 1.0 – 1.2 inch =  $\alpha$  50°



Overlap seam

## Product comparison

### Digitally regulated extrusion welders

### Air heated extrusion welders

### Compact extrusion welder



Device type	WELDPLAST S6	WELDPLAST S4	WELDPLAST S2	FUSION 3	FUSION 3C	FUSION 2	WELDMAX
Output (HDPE) lbs/h	8.6 – 13.2	3.3 – 8.8	1.3 – 5.0	3.5 – 7.7	3.5 – 7.7	2.9 – 4.0	0.7 – 1.8
Material	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVC	HD-PE, PP	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVDF
Wall thickness inch	0.6 – 1.6	0.3 – 1.4	0.16 – 0.8	0.3 – 1.0	0.3 – 1.0	0.24 – 0.6	0.16 – 0.4
Welding rod inch	0.16 / 0.2	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.12 / 0.16	0.16	0.16
Weight lbs	30.9	19	12.8	15.9	15	13	8.4
Length inch	32.3	22	17.7	27	23	17.7	17
Voltage V~	230	230	230	230	230	230	120 / 230
Screw extruder	yes	yes	yes	yes	yes	yes	no
Container construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Pipeline construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Landfill / civil engineering	✓✓	✓✓	✓	✓✓	✓	○	○
Brushless blower	yes	yes	yes	no	no	no	no
Remarks	1	1	1	2	2	2	1

### Remarks

- 1: Air and plast temperatures are shown via a display and can be separately freely adjusted.
- 2: The air temperature is adjusted by means of a potentiometer (rotating button). The heating of the plastic mass is performed by the pre-heating air.

✓✓ = very suitable, ✓ = suitable, ○ = unsuitable

### Output extrusion welders in overview

