



## FLASH BUTT WELDERS

SQ/AS models are suitable for flash butt welding solid material, profiles and hollow sections and mostly pipes, whenever water tight joints are needed, by obtaining very high quality welding results. Particularly suitable for mass production with fully automatic controls aiding speed and efficiency.

SQ/AS machines start the welding operation by slowly approaching, at a reduced pressure, the two parts to be joined; when they are close one another, an electric arc strikes between them and, in a very short time, they are brought to a pre-melting condition; at this point the two ends, in a semi-solid status, are heavily pressed one against the other by the upsetting force. This will result into a totally impurity-free high quality joint.

- ▶ Easy-to-use
- ▶ Air operated
- ▶ Electronic control for adjusting the welding parameters
- ▶ Movable jaw by bearing guides

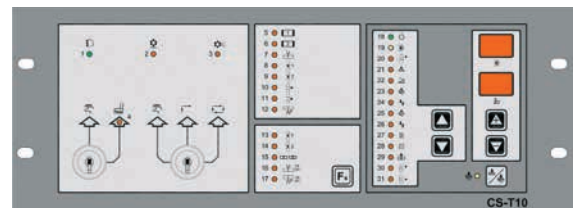


SQ/AS 121

SQ/AS 62



TECHNCAL DATA		SQ/AS 121	SQ/AS 62	SQ/AS 100
Single phase input 50/60 Hz	V	400	400	400
Rated power at 50%	kVA	25	60	100
Max. welding power	kVA	122	168	350
Installed power	kVA	15	60	100
Cross section connecting cables	mm <sup>2</sup>	16	70	95
Delayed fuse	A	40	160	250
Open Circuit Voltage	V	5,1	6	10,8
Short circuit current	kA	30	35	40
Clamping force	daN	1350	1400	5150
Upsetting force	daN	450	900	2400
Max. welding capacity on mild steel	mm <sup>2</sup>	250	350	550
Wire diameter	mm	5	8	8
	mm	16	20	26
Dimensions	↗ mm	830	850	850
	→ mm	920	1700	1750
	↑ mm	1600	1900	2100
Weight	kg	300	1200	1300



Other voltages on request - Technical features might change without notice