

# WELDING EQUIPMENT IN PROTECTING GAS

The welding equipment in protecting gas, type SSG 02- 200 A and SSG 03- 400 A, is intended to achieve a compact welding seam, with high technical parameters, for manual welding in line or spot welding mode.

The welding wire in the protective gas medium appears as a drum (coil) of different diameters. The inert gas medium is obtained from an Ar-CO<sub>2</sub> mixture, of 82% Ar + 18% CO<sub>2</sub>, which is stored in a special cylinder that is fixed on the equipment.



## WELDING EQUIPMENT IN PROTECTING GAS

### type SSG 03 - 400 A



Depending on fitting the equipment SSG 03- 400 A can be delivered in the following variants:

**SSG 03-400 A V01.** Welding source with continuous control of welding current, having in its composition :

- gas cooled welding handle , supplier BINZEL
- incorporated unrolling device with 4 rollers – BINZEL components

**SSG 03-400 A V02.** Welding source with continuous control of welding current, having in its composition :

- gas cooled welding handle , supplier BINZEL
- detachable unrolling device with 4 rollers – BINZEL components

**SSG 03-400 A V03.** Welding source with continuous control of welding current, having in its composition :

- liquid cooled welding handle , supplier BINZEL
- cooling plant type WK-23, supplier BINZEL
- incorporated unrolling device with 4 rollers–BINZEL component

**SSG 03-400 A V04.** Welding source with continuous control of welding current, having in its composition :

- gas cooled welding handle , supplier BINZEL
- cooling plant type WK-23, supplier BINZEL
- detachable unrolling device with 4 rollers–BINZEL componet



**TECHNICAL  
CHARACTERISTICS**

**SSG 03 - 400 A**



Voltage supply	3x380 V, 50/60 Hz
Maximum rated input power	12 kVA
Operating voltage	16 - 37 V
Rated network current	3 x 20 A
Operating temperature	-10°C - +40°C
Wire progression speed	1-20m/min
Operating duty:	
DA= 40 %	400 A
DA= 60 %	325 A
DA=100 %	300 A
Welding wire diameter	
Welding handle MB 501	1 - 1.6 (2.4) mm
Welding handle RM 36	0.8 - 1.6 mm
Protection degree	IP 23
Equipment overall dimensions WK-23	270x253x460 mm
Source overall dimensions	800x560x1150 mm
Net weight: source/with equipment WK-23	210/230 kg

Maximum rated input power	4.5 kVA
Efficiency	0.9
cos φ (on I step):	0.91
Operating temperature	-10°C - +40°C
Standby input power	50 W
Operating duty:	
DA= 40 %	200 A
DA= 60 %	145 A
DA=100 %	90 A
Welding wire diameter	0.6 - 0.8 mm
Digital display of welding voltage and current, in continuous duty	
Fitting with an gas cooled welding handle, supplier BINZEL	
Fitting with unrolling – BINZEL components	
No. of working steps :10	
-work on 1-10 steps is performed at operator's choice depending on the dimensions of the parts to be welded and parametrs imposed to the welding seam by technical documentations.	

**TECHNICAL  
CHARACTERISTICS**

**SSG 02 - 200 A**



The working duty is continuously adjusted from the control electronics, at operator's choice, depending on the dimensions of the parts to be welded and parameters imposed to the welding seam by technical documentations.