



INDUSTRIAL WELDING MACHINES



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SVAROG 500 HD H2O
SVAROG 500 HD PULSE H2O
SVAROG 500 HD DOUBLE PULSE H2O
available in SEPARÉ or COMPACT version

Why to choose SVAROG?



- Modern and ergonomic design
- Inverter technology with 89% efficiency
- High welding performance
- Functional and intuitive user interface (removable, 15m extension cable available)
- Pulse welding function - 70% less finish works, 30% faster welding
- (Double-Pulse function available soon)
- Synergy programs SG/FE,Cr/Ni, AlSi, AlMg
- Easy selection of the wire feeder rolls (color coded)
- 99-jobs / MMA module / TIG LA as standard
- Torch calibration function
- Modularity of undercarriage (multiple gas cylinders, wheel size)
- Additional accessories (torch holder, wire feeder trolley, etc.)
- Made in the Czech Republic



OVERVIEW OF FUNCTIONS

Name of the machine	Quantity of jobs	MIG/MAG	MMA	TIG
SVAROG 500 HD H2O	18	✓ ✓ ✓ ✓ ✓ ✓ ✓ X X X X ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		
SVAROG 500 HD PULSE H2O	30	✓ ✓ ✓ ✓ ✓ ✓ ✓ X X X X ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		
SVAROG 500 HD DOUBLE PULSE H2O		✓ ✓ ✓ ✓ ✓ ✓ ✓ X X X X ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		

Manual mode welding of steel, aluminum, stainless steel, zinc-coated
Synergy welding of steel, stainless steel, MIG brazing of zinc-coated
(pulse+on-pulse)
Synergy welding of aluminum
(pulse+on-pulse)
UP Down
(control from the torch)
Cooling unit
Pulse mode
HSL
HC Pulse
Power focus
Power root
Adjustable initial speed, pregas,
postgas, burn back
Start current, blevel, End current
up and down slope
Start current, end current
Gauging
Pulsni režim
HOT START
ARC FORCE , ANTISTICK
TIG LA
Pulse mode
TIG HF (detailed functions see
table below)

Technical data

J./U.	MIG/MAG	MMA	TIG - DC
Method			
Mains voltage	V/Hz	3x400/50-60	
Welding current range	A/V	10 - 500	10 - 500
Open-circuit voltage U_{20}	V	103	100
Mains protection	A	32 @	
Max. effective current I_{eff}	A	32,0	31,4
Welding current (DC=100%) I_2	A	420	420
Welding current (DC=60%) I_2	A	500	500
Welding current (DC=x%) I_2	A	60% = 500	55% = 500
Insulation class			60% = 500
Standards			IP 23S
Dimensions (wxh) comp./gen.			ČSN EN IEC 60974-1, ČSN EN 60974-10 cl. A
Weight - compact/generator	kg	650 x 1140 x 1090	100
Wire speed	m/min	1,0 - 20,0	
Spool diameter	mm	300	
Spool weight	kg	18	
Dimensions (w x l x h) feeder	mm	270 x 660 x 390	
Weight - feeder	kg	16	
Cooling power (Q=1/min)	kW	0,74	0,74
Total liquid content	l	5,0	5,0
Max. pressure	Bar	3,5	3,5
Max. flow	l/min	9	9



Recommended torches MIG/MAG

Inovative industrial torch, Liquid- Cooled ARC M6W with U/D function buttons, with up to 2/3 less time of maintenance thanks to used core technologies.

- Nozzles run up to 75% cooler
- Swan necks run up to 35% cooler
- Contact tips last up to 6 times longer
- Nozzles last up to 3 times longer
- Tip adaptors last up to 5 times longer

Core Technologies



BI FLOW
TECHNOLOGY



FORCE COOL
TECHNOLOGY



NRS
TECHNOLOGY



SIC
TECHNOLOGY



OSW
TECHNOLOGY



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