



Maximum performance even in tough conditions

- our robust, step switch controlled MIG/MAG professionals



MIG/MAG
standard welding

AREA OF APPLICATIONS

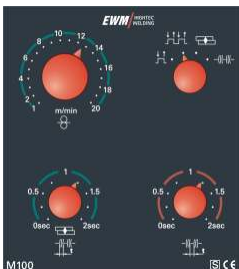
- MIG / MAG standard welding with short, compound or spray arc using argon, gas mixtures and CO₂ can be used
- Materials: Unalloyed, low-alloy and high-alloy steel, aluminium-based alloys.
- Solid and core wire electrodes
- Production and repair work in metalworking trade and industry, steel work and engineering, pipeline, closed containers and equipment construction, vehicle and shipbuilding, assembly work, etc.

HIGHLIGHTS

- Easy-to-use thanks to the ergonomic construction of the machines and the clearly laid out operating elements.
- Mobile thanks to large guide and fixed castors, 4 lifting lugs for unrestricted crane handling, protection classification IP23 for work in the open air, support for gas cylinders, e.g. 50 litres/200 bar and a low centre of gravity with high tilt resistance.
- Maximum efficiency with minimal finishing work thanks to low-spatter welding in the short arc and spray arc areas using argon, mixed gases and CO₂
- Thanks to different machine versions, delicately balanced performance and variety of options with the ideal equipment for every application: Different wire feed units and control interfaces from classic operation through to preset one-dial operation
- Perfect ignition and welding: Welding choke with 3 taps for the various materials; fine-step voltage setting, 4-roller feed with large drive rollers for safe wire feeding

VARIOUS CONTROL VARIANTS WITH SELF-EXPLANATORY OPERATING INTERFACES

Welding machine / Wire feed unit



M100

- Traditional operating concept with all welding parameters immediately accessible
- Non-latched, latched, spot, interval



M200 PROGRAM

- 24 welding programs for different welding tasks
- One-dial operation for rapid location of the operating point
- Non-latched, latched, spots operating modes
- Infinite adjustment of wire feed correction or wire-feed speed
- Spot time, currentless wire inching (internal)

TECHNICAL DATA



Welding machine, water cooled	WEGA 500 decompact	WEGA 600 decompact
Setting range Welding current	50 A-500 A	50 A-600 A
Switching steps	36	36
Wire feed speed	1-20 m/min	1-20 m/min
Duty cycle (dc) at 40°C ambient temperature		
45 % dc	500 A	600 A
60 % dc	435 A	520 A
100 % dc	335 A	400 A
Mains voltage (tolerances)	3 x 400 V /415 V	3 x 400 V /415 V
Mains frequency	50/60 Hz	50/60 Hz
Mains fuse (safety fuse, slow-blow)	3 x 35 A	3 x 35 A
Max. connected power	22,9 kVA	32,1 kVA
Max. flow rate	5 l/min	5 l/min
Max. output pressure	3,5 bar	3,5 bar
Dimensions welding machine L x B x H [mm]	960 x 560 x 1010	960 x 560 x 1010
Dimensions Wire feed unit L x B x H [mm]	680 x 460 x 265	680 x 460 x 265
Weight welding machine approx.	200 kg	228 kg
Weight Wire feed unit approx.	24 kg	24 kg



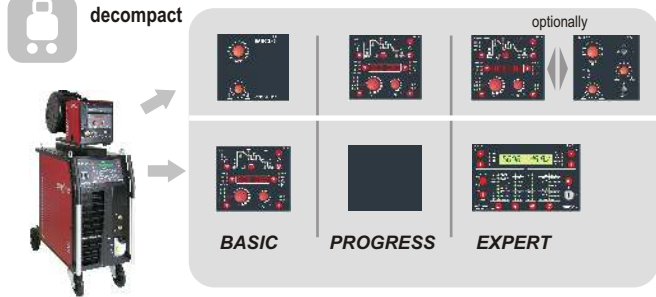
Design: demodular, MIG/MAG standard and MIG/MAG pulse



compact



decompact



PHOENIX 301
PHOENIX 301 PULS

G

PHOENIX 301
PHOENIX 301 PULS

W

G
W

PHOENIX 351
PHOENIX 351 PULS
PHOENIX 421
PHOENIX 421 PULS

G
W

G
W

PHOENIX 521
PHOENIX 521 PULS
PHOENIX 521 PULS HIGHSPEED

W

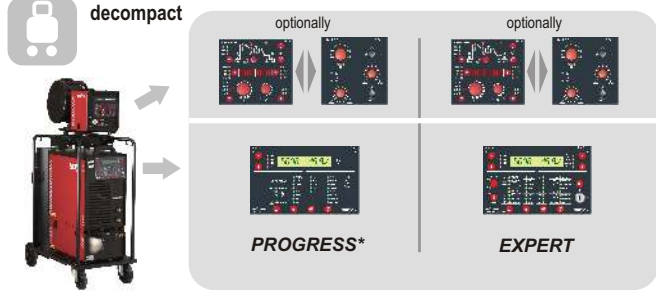
Design: modular, MIG/MAG pulse



compact



decompact



PHOENIX 330 PULS

G

W

PHOENIX 400 PULS
PHOENIX 500 PULS

G
W

* no forceArc