

## Microplasma 55

090-007028-00502



WE ARE WELDING



- Modular plasma/TIG welding machine with Comfort 2.0 P control
- Plasma and TIG welding
- Plasma and pulsed TIG welding
- Plasma and pulsed TIG welding up to the kHz range allow a high welding speed with minimal heat input using a constricted arc
- Plasma and TIG welding current adjustable in 0.1 A increments
- Pilot arc current adjustable in 0.1 A increments between 2–15 A
- The pilot arc current can be adjusted at four operating points during the welding process (beforehand, during, and following welding, as well as during pauses in welding)
- Non-latched/latched operation
- Spot welding/tack function (spotArc/spotmatic)
- Spotmatic – reduce the time required for tacking by up to 50% (TIG only)
- Adjustable up-slope and down-slope time
- Adjustable gas pre- and post-flow time
- Temperature, flow and pressure monitoring for the coolant circuit
- All control elements and connections for welding torches, remote controls and workpiece leads are directly accessible on the front of the machine
- Integrated gas metering unit in the connection box
- Non-interchangeable connections for all mediums
- Welding torch connection using quick connect coupling
- Connection capability for remote control
- Two system bus connections (e.g. for ewm Xnet)
- Set-up with Trolley 55-6 and Cool 50 MPW50; alternatively, a separate recooling unit can be used
- No additional mains connection required for Cool 50 MPW50, the Cool unit is supplied with mains voltage via the power source
- Optional network connectivity with ewm Xnet software via LAN or WiFi gateway
- 3.5 m mains supply lead with 16 A shock-proof plug
- Please always use an electrode setting gauge to achieve optimum welding results

	Plasma		TIG	
Setting range for welding current	0.3 A - 50 A		2 A - 50 A	
Duty cycle at ambient t.e	40 °C	25 °C	40 °C	25 °C
100 %	50 A			
Open circuit voltage	63 V			
Mains frequency	50 Hz / 60 Hz			
Mains fuses (slow-blow)	1 x 16 A			
Mains voltage (tolerances)	1 x 230 V (-40 % - +15 %)			
Max. connected load	2.8 kVA		1.3 kVA	
Recommended generator power	3.8 kVA		1.8 kVA	
cos φ	0.99			
Efficiency	88 %			
Dimensions machine, LxWxH in mm	625 x 377 x 531			
Weight, machine	33.6 kg			
Weight, cooling unit	14.3 kg			
Protection classification	IP 23			
EMC class	A			
Insulation class	H			

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Protection classification	IP23
Approvals	S sign , CE sign , EAC sign
Cooling output	1000 W (1l/min)
Tank capacity	5 l
Flow rate	5 l/min
Max. output pressure	3.5 bar
Standards	IEC 60974-1, -3 and -10 CL.A