

# Tetrix 200 Comfort puls 8P TG

090-000228-00504



WE ARE WELDING



- Gas-cooled DC TIG inverter welding machine
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- TIG welding with reproducible, electronic HF start
- TIG lift arc welding without HF
- TIG automated pulsing with automatic specification of required pulse parameters
- Pulsed TIG welding in Hz and kHz range up to 15 kHz
- 8 programmed JOBs (welding tasks)
- Non-latched/latched operation
- Clearly structured operating panel, operating elements streamlined to feature the main TIG functions
- Reduced secondary current accessible using torch trigger
- Spot welding/tack function (spotArc/spotmatic)
- Up-slope/down-slope adjustable
- Spotmatic – halves time required for tacking
- Adjustable gas pre-flows/post-flows
- **MMA welding**
- MMA average value pulsing
- Ideal for root welding
- Safe, reliable vertical-up and vertical-down welding
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- Safe ignition also for long hose packages
- Energy-saving thanks to high efficiency and standby function
- Portable, including shoulder strap
- Connection capability for remote control and function torch
- 3.5 m mains supply lead with 16 A shock-proof plug
- Mains connection 230 V/16 A
- High mains voltage tolerance +15%/-40% and therefore fully generator-compatible
- 3.5 m mains lead with 16 A earthed plug
- **Overvoltage protection: No damage to machine caused if inadvertently connected to 400-V mains voltage**

|                                   | TIG                       |       | MMA         |       |
|-----------------------------------|---------------------------|-------|-------------|-------|
| Setting range for welding current | 5 A - 200 A               |       | 5 A - 150 A |       |
| Duty cycle at ambient t.e         | 40 °C                     | 25 °C | 40 °C       | 25 °C |
| 25 %                              | 200 A                     |       | —           |       |
| 35 %                              | —                         |       | 150 A       |       |
| 60 %                              | 150 A                     |       | 120 A       |       |
| 100 %                             | 120 A                     |       | 100 A       |       |
| Open circuit voltage              | 63 V                      |       |             |       |
| Mains fuses (slow-blow)           | 1 x 16 A                  |       |             |       |
| Mains voltage (tolerances)        | 1 x 230 V (-40 % - +15 %) |       |             |       |
| Max. connected load               | 6 kVA                     |       | 6.4 kVA     |       |
| Recommended generator power       | 8.1 kVA                   |       | 8.6 kVA     |       |
| cos φ                             | 0.99                      |       |             |       |
| Efficiency                        | 86 %                      |       |             |       |
| Dimensions machine, LxWxH in mm   | 431 x 181 x 294           |       |             |       |
| Weight, machine                   | 10.2 kg                   |       |             |       |

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Torch connection

Decentral

## Welding site equipment for TIG welding

### TIG 150 GD GRIP 8P U/D 4m

394-512291-00200



- Gas-cooled TIG welding torch
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for devices from the Tetrix DC and AC/DC series
- An 8-pole connection socket is required for portable machines
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### WK35mm<sup>2</sup> 290A/60% 4m/K

092-000008-00000



- Completely assembled workpiece lead with terminal

### DM 842 Ar/CO<sub>2</sub> 230bar 15l D

394-002910-00015



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

### Gas hose

094-000010-00001



- Equipped with plastic nuts on both sides for tool-free assembly

## Accessories

### ON Filter MV/Tetrix 180

092-002547-00000



- Dirt filter for air inlet
- Reliably protects the machine from impurities under tough working conditions.

### ON 8pol 03 Tetrix 180

092-002465-00000



- 8-pole welding torch connection socket for Tetrix 180 (from serial No. 196718 onwards) and Tetrix 200

### ON 12 pol TIG Tetrix 180 / 270

092-002466-00000



- 12-pole welding torch connection socket for connection to Tetrix 200/300-2

### SPOTARC TIG 26 G 8P 4m

094-500047-00000



- Spot welding torch, with welding nozzles for fillet welds, edge welds and flat welds incl. setting gauge
- Better surface formation in comparison to resistance welding
- Flatter spot formation in comparison to MAG spot welding
- Excellent seam quality due to minimal heat input
- Very low thermal stresses and little distortion due to short welding times
- Perfect for visible joints due to clean seam appearance
- Robust design
- Excellent HF safety
- **Equipment as delivered:**
- Collet body: Ø 2.4 mm

### TIG 150 GD GRIP 5P 4m

394-512291-00600



- Gas-cooled TIG welding torch
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

## Accessories

### TIG 150 GD GRIP 5P HFL 4m

394-512291-10600



- Gas cooled TIG welding torch with a highly flexible hose package
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### TIG 150 GD GRIP 8P U/D 4m

394-512291-00200



- Gas-cooled TIG welding torch
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for devices from the Tetrix DC and AC/DC series
- An 8-pole connection socket is required for portable machines
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### TIG 150 GD GRIP 8P U/D HFL 4m

394-512291-10200



- Gas cooled TIG welding torch with a highly flexible hose package
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for devices from the Tetrix DC and AC/DC series
- An 8-pole connection socket is required for portable machines
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

## Accessories

### TIG 150 GD 12P GRIP RETOX HFL 4m

394-512291-10700



- Gas cooled TIG welding torch with a highly flexible hose package
- Setting and display of welding current and programs
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector
- For Tetrix DC, AC/DC Comfort and Synergic
- "ON 12-pole connection socket" option required
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### Trolly 35-1

090-008629-00000



- Transport cart
- Solid, stable design
- For Picomig 180, Picotig 200/200 MV, Tetrix 200, Pico 180 and Pico 220
- For transporting a power source and a gas cylinder

### RTG1 19POL 10m

090-008106-00010



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- With pre-fitted 5 or 10 m connection cable
- Operating point setting directly at the site of welding
- For Tetrix, Picotig 200 AC/DC and Stick machine series

### RT1 19POL

090-008097-00000



- Remote control, current
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet

## Accessories

### RTP1 19POL

090-008098-00000



- Remote control, pulse, spot and pause times are infinitely adjustable.
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Pulse/spot/normal
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

### RTP2 19POL

090-008099-00000



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Pulse/spot/normal
- Frequency and spot times infinitely adjustable.
- Coarse adjustment of the cycle frequency.
- Pulse/pause ratio (balance) adjustable from 10% to 90%.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

### RTP3 spotArc 19POL

090-008211-00000



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Remote control, pulse / spotArc spot welding / normal
- Frequency and spot times infinitely adjustable.
- Coarse adjustment of the cycle frequency.
- Pulse/pause ratio (balance) adjustable from 10% to 90%.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

### RTF1 19POL 5 M

094-006680-00000



- Foot-operated remote control, start/stop
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Start/stop welding operation
- Operating point setting directly at the site of welding

## Accessories

### SCHUKO/16A

094-001756-00000



- Shock-proof plug, solid rubber

### ADAP SCHUKO/16CEE

092-000812-00000



- Earth contact coupling/CEE16A plug

### WK25mm<sup>2</sup> 230A/60% 4m FIX

398-000593-00000



- Completely assembled workpiece lead with original FIX clamp

### WK95mm<sup>2</sup> 550A/60% 4m/Z

092-000171-00000



- Komplet montierte Werkstückleitung mit Zwinge

### WK35mm<sup>2</sup> 290A/60% 4m/K

092-000008-00000



- Completely assembled workpiece lead with terminal

### EH 35qmm 4m

092-000052-00000



- Fully assembled electrode holder with cable



## Accessories

### DM 842 Ar/CO<sub>2</sub> 230bar 15l D

394-002910-00015



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

### ADAP 8-5 POL

092-000940-00000



- 8-to-5-pole cable adapter

### ON AL D13/27

092-003282-00000



- Cap for load sockets

### Gas hose

094-000010-00005



- Equipped with plastic nuts on both sides for tool-free assembly

### L-BOXX 374

094-003899-00000



- Robuste Transportbox

### L-BOXX 102

094-003900-00000



- Robuste Transportbox