

Designed to work exclusively with NEOPULSE power sources, the separate NEOFEED 4W wire feeder allows for very precise configuration and control of the welding cycle. Its intuitive digital interface makes it easy to act on the welding parameters. Its ultra-precise drive system offers industrialists maximum productivity on all types of materials.

## MULTI-PROCESS WELDING

- **MIG/MAG:**
  - steel and stainless steel wire : Ø 0.6 to 1.6 mm
  - aluminium wire: Ø 0.8 to 1.6 mm
  - CuSi and CuAl wire: Ø 0.8 to 1.2 mm
- **MMA DC / Pulse:** basic, rutile and cellulosic electrodes (up to Ø 6 mm).
- **TIG DC LIFT / PULSED.**

## SMART

- **SYNERIC mode:** After entering 3 data (material/gas torque and wire diameter), NEOFEED automatically determines the optimal welding conditions and allows the adjustment of settings (wire feed speed, voltage, current, arc length).

## ACCURATE

- **Calibration** of welding accessories and wire feeder speed, to adjust the displayed voltage measurement and refine the energy calculation.
- **Energy,** display and energy calculation after welding according to EN1011-1, ISO / TR 18491 and QW-409.
- **Portability:** load/save/transport from a USB key the user JOBS as well as the machine configuration.
- **Traceability:** trace/record all welding steps, seam by seam, during industrial production within the framework of EN ISO 3834.

## OPTIMISED MIG/MAG SETTINGS

- **Welding processes:** Manual, Dynamic STD, Pulse, Arc Module (hot/cold current variation)
- **Scoring modes:** SPOT and DELAY.
- **Trigger management:** 2T and 4T.
- **Precise control over the welding cycle :** CreepSpeed, Softstart, Hotstart, Upslope, Downslope, Crater Fill, Postgas, etc.

## MAXIMUM PRODUCTIVITY

**Designed for heavy and demanding industrial applications:**

- High productivity thanks to its high duty cycle (500 A @ 60%).
- Powerful electronically controlled wire feed motor (100 W) with 4 active drive rolls.
- Compatible air and liquid cooled torches.

## ADVANCED INTUITIVITY

- New user friendly interface focused on welders' navigation habits.
- 2 control knobs for easy and intuitive navigation of the menus.
- Complete update of the machine and synergies by USB key.
- Storage of 500 welding programs (can be saved on USB stick).
- Displays current/voltage during and after welding (WPS/PQR)..
- Choice of the main parameter to display on the screen (wire speed, average welding current, etc.).
- Internal lighting of the motorized roll and wire reel.
- Viewing window on trapdoor to check the consumption of the filler wire.
- Compatible with torch Push-Pull (24V / 42V).
- Integrated torch support.

## ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP23 casing.
- Interconnection cables (air or water cooled) up to 20m (optional).
- Remote settings of the wire feeder using the 2 optional remote controls (digital or analogical).
- 4 rings for slinging.



Supplied without accessories



- 3 levels of user interface :
- Easy : simplified functionalities
  - Expert: full display
  - Advanced: full access to all parameters

# NEOFEED 4W

Ref. 014527



## TECHNICAL DATA

|  |                               |                                       |
|--|-------------------------------|---------------------------------------|
| Power supply voltage                           |                               | $U_{11} = 48 \text{ V} - 2 \text{ A}$ |
|  |                               | $U_{12} = 24 \text{ V} - 1 \text{ A}$ |
| Duty cycle factor<br>10 min/40°C<br>EN 60974-1 | 60 %                          | 500 A                                 |
|  | 100 %                         | 460 A                                 |
| Wire speed                                     |                               | 1 - 22 m/min                          |
| Wire feeder motor                              |                               | 4 motor reels                         |
| Roller diameter                                |                               | 37 mm (Type F)                        |
| Original pebbles                               |                               | steel/stainless steel (Ø 1.0/1.2)     |
| Wires  | Ø steel<br>Ø stainless steel. | 0.6 - 1.6 mm                          |
|  | Ø Coated wire                 | 0.9 - 2.4 mm                          |
|  | Ø aluminium                   | 0.8 - 1.6 mm                          |
|  | Ø CuSi / CuAl                 | 0.8 - 1.2 mm                          |
| Wire reels                                     | weight / min. Ø               | 5 kg - 200 mm                         |
|  | weight / max. Ø               | 18 kg - 300 mm                        |
| Protection class                               |                               | IP23                                  |
| Dimensions                                     |                               | 630 x 440 x 290 mm                    |
| Weight   |                               | 19 kg                                 |

## ACCESSORIES & CONSULMABLES

|  <p>NEOPULSE 320 C 062474<br/>NEOPULSE 400 G 014497<br/>NEOPULSE 500 G 014503</p>  |  <p>Cooling unit NEOCOOL<br/>032750</p>   |  <p>Trolley T/M 400<br/>037328</p>                         |  <p>Inter connection cables</p> <table><tr><th colspan="2">air</th><th colspan="2">liquid</th></tr><tr><td>5 m</td><td>70 mm² 047587</td><td>1.8 m</td><td>037243</td></tr><tr><td>10 m</td><td>047594</td><td>5 m</td><td>047617</td></tr><tr><td>10 m</td><td>047600</td><td>10 m</td><td>047624</td></tr><tr><td>15 m</td><td>95 mm² 038349</td><td>10 m</td><td>047631</td></tr><tr><td>20 m</td><td>038431</td><td>15 m</td><td>95 mm² 038448</td></tr><tr><td></td><td></td><td>20 m</td><td>038455</td></tr></table> | air |        | liquid |                        | 5 m                    | 70 mm² 047587          | 1.8 m  | 037243  | 10 m   | 047594 | 5 m | 047617 | 10 m | 047600 | 10 m | 047624 | 15 m | 95 mm² 038349 | 10 m | 047631 | 20 m | 038431 | 15 m | 95 mm² 038448 |  |  | 20 m | 038455 |
|---|--|---|--|-----|--------|--------|------------------------|------------------------|------------------------|--|---|--|--------|-----|--------|------|--------|------|--------|------|---------------|------|--------|------|--------|------|---------------|--|--|------|--------|
| air   |  | liquid  |  |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 5 m   | 70 mm² 047587  | 1.8 m   | 037243   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 10 m  | 047594   | 5 m   | 047617   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 10 m  | 047600   | 10 m  | 047624   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 15 m  | 95 mm² 038349  | 10 m  | 047631   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 20 m  | 038431   | 15 m  | 95 mm² 038448  |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
|   |  | 20 m  | 038455   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
|  <table><tr><th colspan="2">Steel / Stainless steel</th><th>Aluminium</th></tr><tr><th>air</th><th>liquid</th><th>liquid</th></tr><tr><td>450 A<br/>3 m<br/>045392</td><td>500 A<br/>4 m<br/>041004</td><td>500 A<br/>3 m<br/>046160</td></tr></table> | Steel / Stainless steel  |   | Aluminium  | air | liquid | liquid | 450 A<br>3 m<br>045392 | 500 A<br>4 m<br>041004 | 500 A<br>3 m<br>046160 |  <p>TIG torch SR17DB EURO<br/>connection - 4 m<br/>043831</p> |  <p>PUSH-PULL torch<br/>401D - 8 m - liquide 038745<br/>240D - 8 m - liquide 038141<br/>36D - 8 m - air 038738</p> |  <p>Steel/Stainless<br/>Steel:<br/>Ø 0.6/0.8 : 061859<br/>Ø 0.8/1.0 : 061866<br/>Ø 1.0/1.2 : 061873<br/>Ø 1.2/1.6 : 061880</p> <p>Aluminium :<br/>Ø 0.8/1.0 : 061897<br/>Ø 1.0/1.2 : 061903<br/>Ø 1.2/1.6 : 061910</p> <p>Cored wire:<br/>Ø 0.9/1.1 : 061927<br/>Ø 1.2/1.6 : 061934<br/>Ø 1.4/2.0 : 061941<br/>Ø 1.6/2.4 : 061958</p> |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| Steel / Stainless steel   |  | Aluminium   |  |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| air   | liquid   | liquid  |  |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
| 450 A<br>3 m<br>045392  | 500 A<br>4 m<br>041004   | 500 A<br>3 m<br>046160  |  |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |
|  <p>Digital remote control<br/>RC-HD2<br/>062122</p>   |  <p>Communication cable<br/>2.8 m - 063907<br/>6 m - 063914<br/>11 m - 036925</p> |  <p>Remote control<br/>analog RC-HA2 - 10 m<br/>047679</p> | <p>F-type rollers (x4)</p>   |     |        |        |                        |                        |                        |  |   |  |        |     |        |      |        |      |        |      |               |      |        |      |        |      |               |  |  |      |        |