

# SMARTFLEX™

## Tooling



# SSEL8404

## AUTOMATIC WELDING UNIT

### WITH BARCODE HAND SCANNER & INTEGRATED

### BLUETOOTH SYSTEM

Thanks to the new Bluetooth technology, there are no more cables required to connect the welding unit to a PC or printer. The data is now downloaded wirelessly to your PC as an Excel file via the easy to use **SMARTFLEX software**.

The easy to read large backlit display on the welding unit shows the process steps, fitting type and information as well as the weld operation number, welding time, power consumption and energy used during the welding process.

The welding unit has the memory capacity to store the parameters of 300 welding and 8 x 500 Pressure or Vacuum test cycles.

The internal software, developed especially for the SSEL8404 welding unit, enables the user to:

- Easily download **Welding** and **Test Reports** via Bluetooth directly to your PC or **BTPRINT** printer or via a portable Download Unit **DLU**.
- Perform additional tasks with the use of:  
**SENS010** (Pressure test unit) and  
**SVTU** (Vacuum test unit).
- Store GPS locations of each welded fitting with use of the **GPS** device.

#### Codes:

**SSEL8404/220** 220v

**SSEL8404/110** 110v



#### BASIC EQUIPMENT SUPPLIED WITH THE WELDING UNIT:

- User's handbook
- Storage box for transporting
- Barcode hand scanner
- Software CD
- Bluetooth USB adapter

#### OPTIONAL EQUIPMENT:

- **BTPRINT** Portable Bluetooth printer
- **DLU** (Download Unit) Portable Bluetooth data storage unit
- **SENS010** Pressure Test Unit for testing & recording of Primary & Secondary pipes
- **SVTU** Vacuum Test Unit for testing & recording vacuum in Tank and Dispenser sumps
- **GPS** GPS positioning unit

*The welding unit can be currently operated in six different languages: **English, French, German, Italian, Spanish, Russian**.*

*More languages will be added in the future.*

## PRESSURE TEST UNIT (SENS010)

### DOWNLOADING PRESSURE TEST AND WELDING REPORTS

Utilising Bluetooth technology, cables are no longer required to transmit data from the **SMARTFLEX** multifunction welding unit to a PC or printer in Excel format. It is also possible to print out the welding reports or test directly after the completion of the welding, directly to our portable printer (**BTPRINT**) or data can be transferred to our portable download unit (**DLU**).

### PRESSURE TEST

When the **SMARTFLEX** pressure test unit **SENS010** is connected to the multifunction welding unit, it allows the testing and recording of the pressurised pipeline under test. The multifunction welding unit has a storage capability of 8 memories (500 test records) to allow multiple size tests to be performed.



### The SMARTFLEX pressure test

1. **SMARTFLEX** pressure test unit (**SENS010**)
2. Connecting cable
3. Rilsan tube with 1/2" adapters
4. Temperature probe
5. Carrying case



## VACUUM TEST UNIT (SVTU)

When the **SMARTFLEX** vacuum test unit **SVTU** is connected to the multifunction welding unit it allows the testing of the vacuum tightness of **SMARTFLEX** underground tank and dispenser sumps.

### Product benefits:

- Easy to use
- Data will be stored when connected to the multifunction welding unit and can be uploaded to a PC via the **SASW** software supplied with the multifunction welding unit.
- Vacuum test lid (**SDSVTL**) available in different sizes to match our dispenser sumps.



## BARCODE HAND SCANNER (BCSCAN AND BCSCAN8403)

The new **SMARTFLEX BCSCAN** and **BCSCAN8403** barcode scanners are used to read the Smartcard and fitting barcode to carry out the welding process (voltage and welding time). They represent a valid alternative to the optical pen thanks to their improved functions and performance. The scanner is more resistant if compared to the optical pen and is easier to use as you only need to lay it on the barcode and press the button and do not need to be an expert installer to operate it.



## DOWNLOAD UNIT (DLU)

The **SMARTFLEX Download Unit (DLU)** provides a download capability of up to 300 welding data records and up to 8 different pressure test reports. The **DLU** exchanges data with the multifunction welding unit via Bluetooth connection. The downloaded data can then be transmitted to a PC by means of the cable and software included.

Product benefits:

extremely light and easy to use

no need to bring a PC on site for downloading data



## GPS DEVICE (GPS)

The **SMARTFLEX GPS** device allows you to log the coordinates of the fitting to be welded (altitude, latitude, longitude) by positioning it over the fitting. **GPS** capability allows for the position of each fitting to be plotted on an "AS BUILT" drawing. It is good practice to assign a number to every fitting so you can locate it at a later time if excavation is necessary.



## PORTABLE PRINTER (BTPRINT)

The **BTPRINT** is a portable Bluetooth printer that allows you to obtain a printout of all welds. The printed record produced provides data referenced to the weld performed, including the multifunction welding unit serial number, number of welds, welding details and parameters. If used in conjunction with the **GPS** device its data will also be included.



## MANUAL SCRAPERS (RAM1 AND RAM2)

- RAM1 recommended for Polyethylene  
RAM2 recommended for **SUPERSMARTFLEX**



## REVOLVING SCRAPERS (RAT0, RAT1A AND RATUL)

- RAT0 universal scraper for Ø32 to 160  
RAT1A revolving scraper for Ø63 to 160  
RATUL revolving scraper for **SUPERSMARTFLEX** (Ø50 and 63)  
RATUL50KD drill kit for model RATUL (Ø50)  
RATUL63KD drill kit for model RATUL (Ø63)



## PIPE CUTTER (SCUT AND SCUTDW)

- SCUT pipe cutter for SW pipe  
SCUTDW pipe cutter for DW pipe



## PLIERS (SPLIDW)

- SPLIDW pliers for DW pipe



## PIPE ALIGNER (ALL225/4)

- ALL225/4 pipe aligner for Ø50 to 225



## WHITE MARKER (MARK)



## PRIMER (LID1)



## THREAD SEALANT (SF)







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