

QBOX

(ELECTROFUSION CONTROL BOXES)

FEATURES

- Largest, brightest screen in its class
- Improved user interface with helpful on-screen prompts
- Automatic contrast adjustment of the screen
- Multi-lingual display; the language can be changed at the touch of a button
- Convenient on screen display at all times of
 - remaining joint record memory capacity
 - time until next service
 - input supply voltage
 - time and date
- Well specified control system allowing for future upgrades and improvements
- Joint record data is stored in internal memory and is automatically backed up to a removable SD card for complete security
- Compatible with the Data Transfer System software; joint record data can easily be downloaded to a readily available USB memory stick for the transfer of data to PC
- Joint records can be reviewed quickly on screen
- Fusion's unique 'touch-key' technology is available on 110V UK control boxes
- Count-up timer at the end of jointing allows the cooling time to be monitored
- Robust construction employing high quality die-cast aluminium enclosure and integrated heat-sink
- IP54 rated to EN605 9 preventing ingress of water and dirt
- Improved performance allows use with larger fittings
- Plus all the existing functions of a Fusion control box



IMPROVED MAINTENANCE AND SERVICING

- Quick and easy calibration using the keypad
- Intelligent design allowing fascia screen and keypad to be replaced quickly and independently, reducing potential maintenance costs
- The operating software upgrades can be updated quickly and easily via a USB memory stick
- Improved lead end assemblies and sense pin designed for strength, durability and ease of maintenance
- Input and output cables are more flexible and user friendly
- Standard box can be upgraded with a barcode reader if required.



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Product Code	Description
QBOX 0E	0/ 30V automatic electrofusion controller
QBOX110	110V automatic electrofusion controller
QBOX 0BCE	0/ 30V automatic/barcode electrofusion controller
QBOX110BC	110V automatic/barcode electrofusion controller
QBOX 0BC10E	0V/ 30v automatic/barcode electrofusion controller (with 10 metre output lead)
QBOX 010E	0/ 30V automatic electrofusion controller (with 10 metre output lead)
74 13	QBOX protective lid kit - for parallel frame type
74 18	USB memory stick

* 'E' denotes plug type E = 3 Pin Blue G = 2 Pin Black

MACHINE SPECIFICATION

Description	QBOX110	QBOX110BC	QBOX 0E	QBOX 0BCE
Input supply voltage (Vac)	97-150V	97-150V	187- 65V	187- 65V
Frequency (Hz)	40-70	40-70	40-70	40-70
Max output current (A)	80	80	80	80
Maximum output power (kW)	3. 0	3. 0	3. 0	3. 0
Recommended minimum generator size for 40V, 60A output* (kVA)	3.75	3.75	3.75	3.75
Recommended minimum generator size for 40V, 80A output* (kVA)	5.00	5.00	5.00	5.00
Operating temperature (deg C)	-10 to +50	-10 to +50	-10 to +50	-10 to +50
Environmental protection (IP)	IP54	IP54	IP54	IP54
Compatible with manual fittings	Yes	Yes	Yes	Yes
Compatible with Fusamatic® fittings	Yes	Yes	Yes	Yes
Bar code reader	No	Yes	No	Yes
Output voltage (V)	Fixed: 39.5	Variable: 10-48	Fixed: 39.5	Variable: 10-48
Fuse time(s)	10-3500	10-3500	10-3500	10-3500
Safety frame	Yes	Yes	Yes	Yes
Detachable output cable	Yes	Yes	Yes	Yes
Weight excluding output cable (kg)	3	3	1.5	1.5
Output cable length (m)	3.	3.	3.	3.
Input cable length (m)	6	6	3	3
Input plug rating (A)	3	3	16	16
Data memory (number of joints)	up to 000	up to 000	up to 000	up to 000
Data transfer methods	Direct to PC using the 'universal data transfer lead', via the 'MiniTran', via the USB memory stick			
Memory back up SD Card	Yes	Yes	Yes	Yes
Dimensions (including frame) (mm)	300W x 90D x 430H			

* The minimum values shown in the table will guarantee correct operation of the control box when supplying the specified current to the electrofusion fitting. It may be possible to use a generator of a smaller size when employing the control box for service connection work.

The kW rating of the generator must also be considered; contact your nearest Fusion representative for advice on generator selection if in any doubt.