

16 ADDENDICES

ECO 310 610 Fuse info:

There is a total of 10 fuses in the ECO 310 boiler.

1 x Fa = main fuse 10A **S59430 (10 units in kit)**

1 x Fb = fan fuse 12A all Gas310 models **S101629A(2 units in kit) for North America only**

3 x 1amp slow inside MCBA **S38187(10 units in kit)**

4 x 2amp slow inside MCBA **S43561(10 units in kit)**

1 x 2amp fast F1 **S43563(10 units in kit)**

S43563	Fuse glass 2 amp fast (10 pc's.)	4001
S43561	Fuse glass 2 amp slow (10 pc's.)	4001
S59208	PC board display	4002
S100455	Cable set complete wiring harness	4003
S59430	Main fuse10A slow acting (5 pc's.)	4003
S101528	Fan/Blower Fuse 12A slow acting (5 pc's)	4003
S59429	Fuse holder FPG2	4003
S100456	Flat cable	4004
S59245	On/off switch (5 pc's.)	4005
S100457	Ignition/ ionization cable with cap & grommet	4006
S100458	Front cover instrument panel	4007
S100459	Top cover instrument panel	4008
S59238	Cover plate compensating controller	4009
S100419	Casing panel handle	4010
57350	Screw control cover m4 x10	4011
S57010	Spacer (10 pc's.)	4012
59436	Cable Flue gas damper (option)	4096
S38187	Fuse 1 amp slow acting (10 pc's.)	4001

8.2.4 Fuse ratings

Fuses on the circuit board on the control unit:

F1 – 2 AF mains voltage fuse (automatic fuse)

F2 – 2 AT for gas valve multiblock

F3 – 2 AT for 24 V circuit

F10 – 2 AT for shunt pump

F11 – 1 AT for flue gas damper

F12 – 1 AT for butterfly valve

F13 – 2 AT for heating pump

F14 – 1 AT for external gas valve

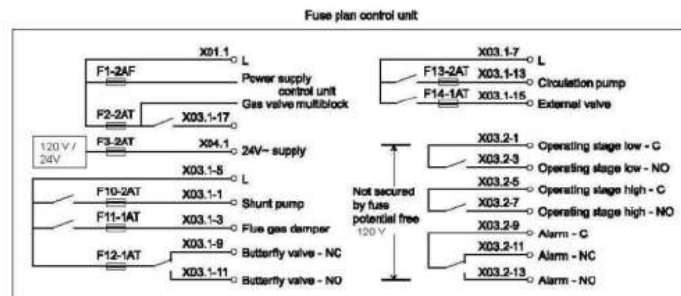


Fig. 15 – Fuse plan

The boiler fuse F_a is located behind / next to the 120V terminal strip. This fuse de-energizes the whole boiler and has a rating of 10 AT. The fan has a Power Factor Control (PFC ensures the main power supply is distributed more uniformly) and is fused with a 12 AT fuse F_b (behind / next to the 120 V terminal strip).

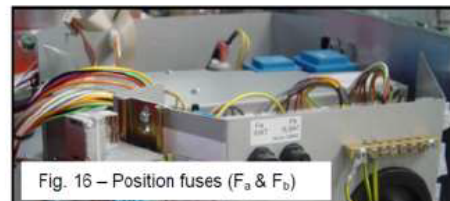


Fig. 16 – Position fuses (F_a & F_b)