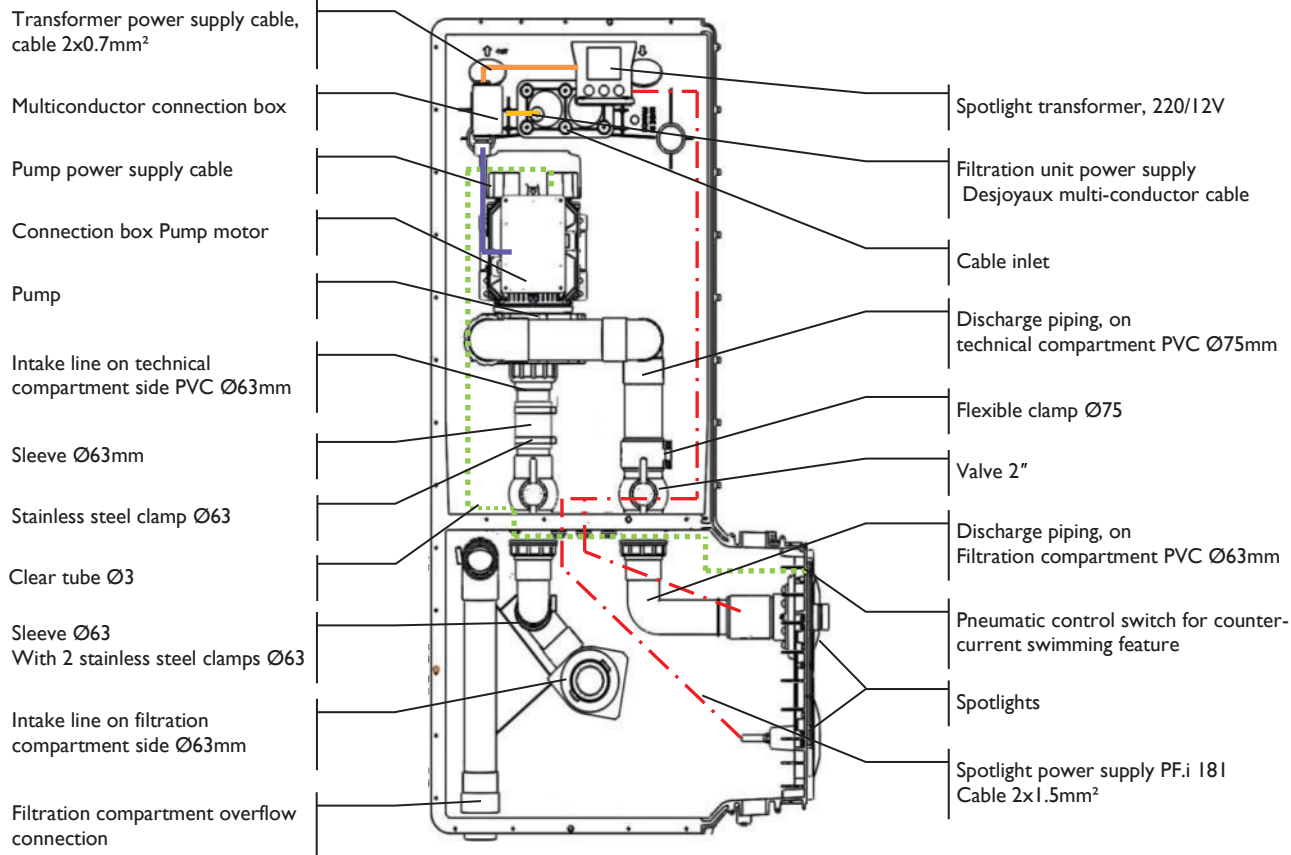
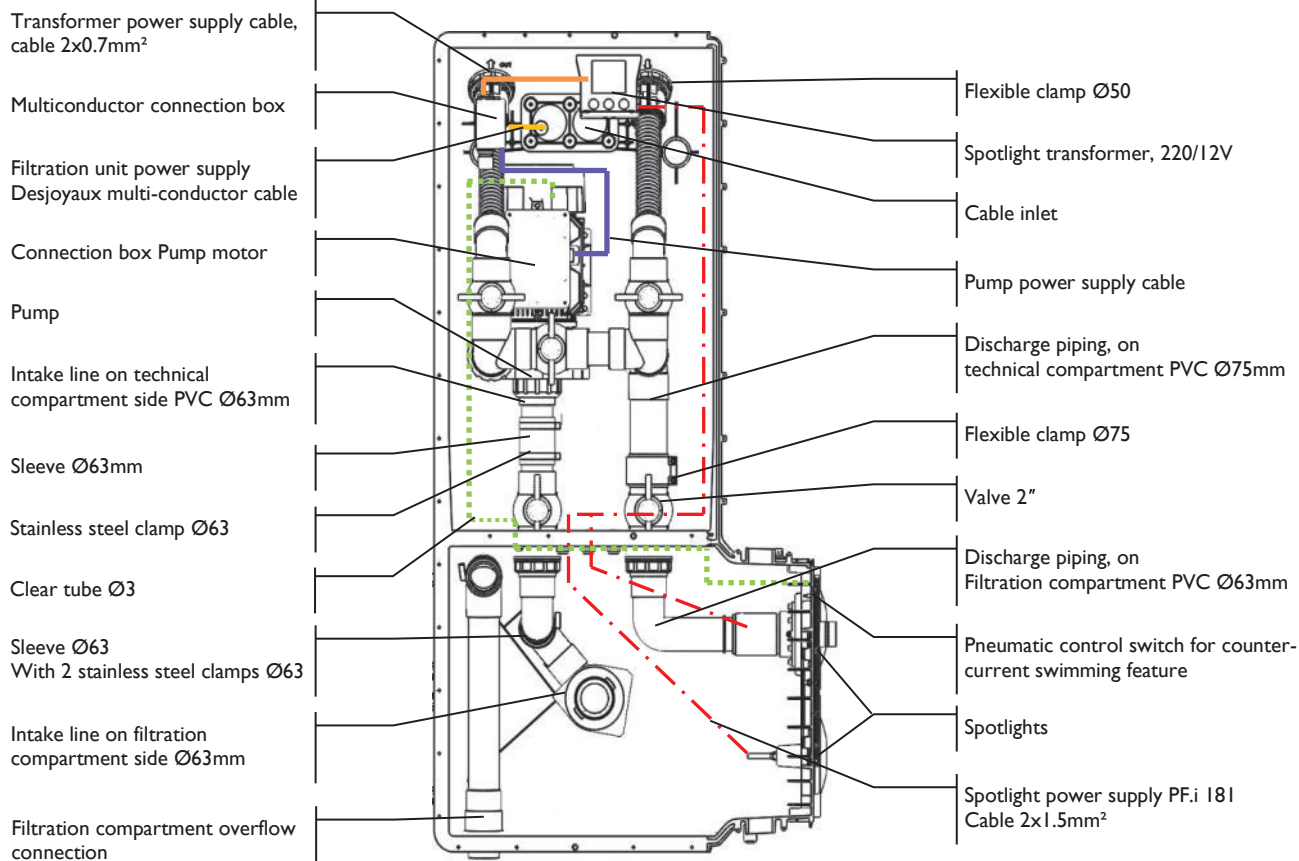


6.8 Version PF.i 181

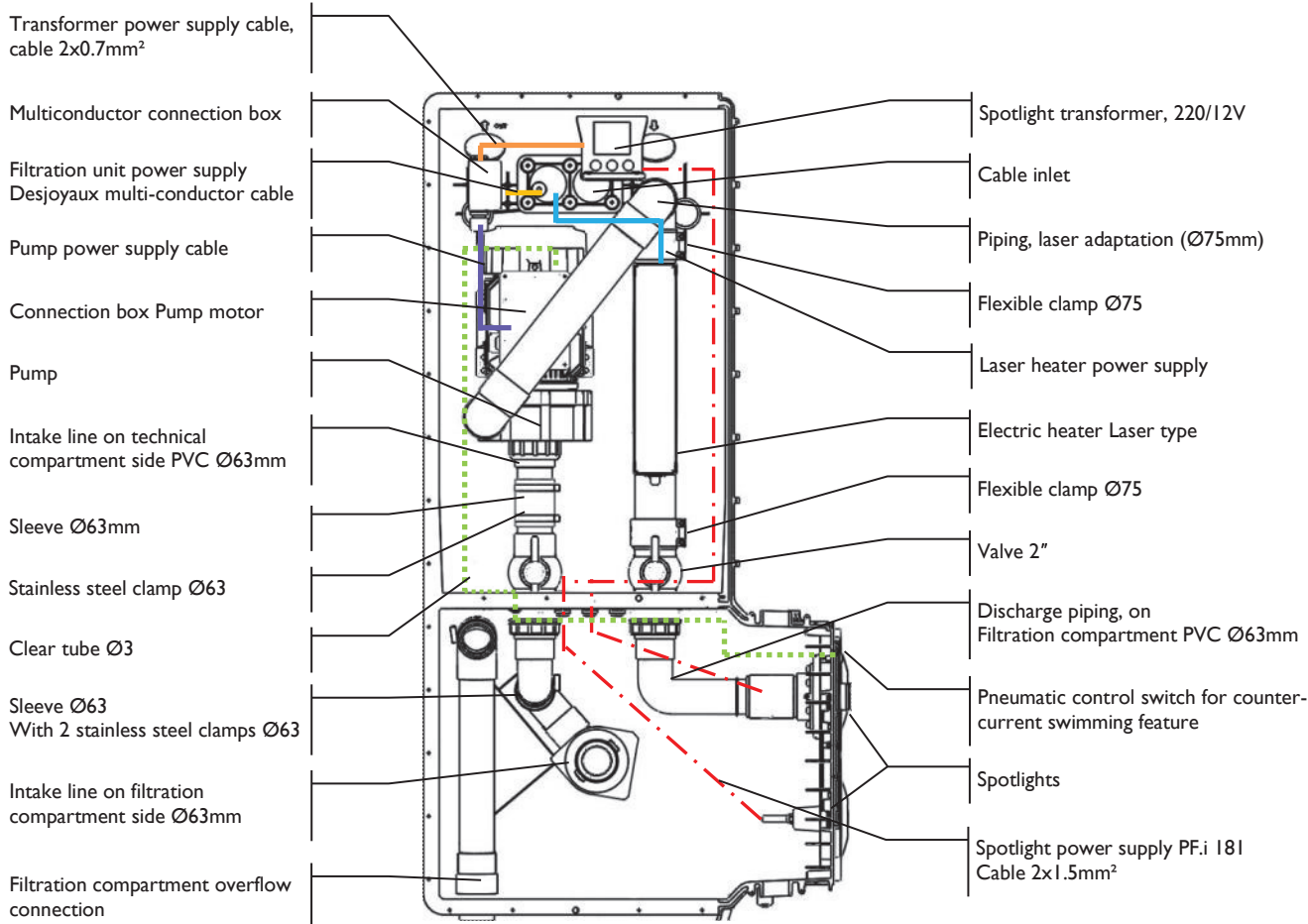
PF.i 181 injected filtering panel - Standard version



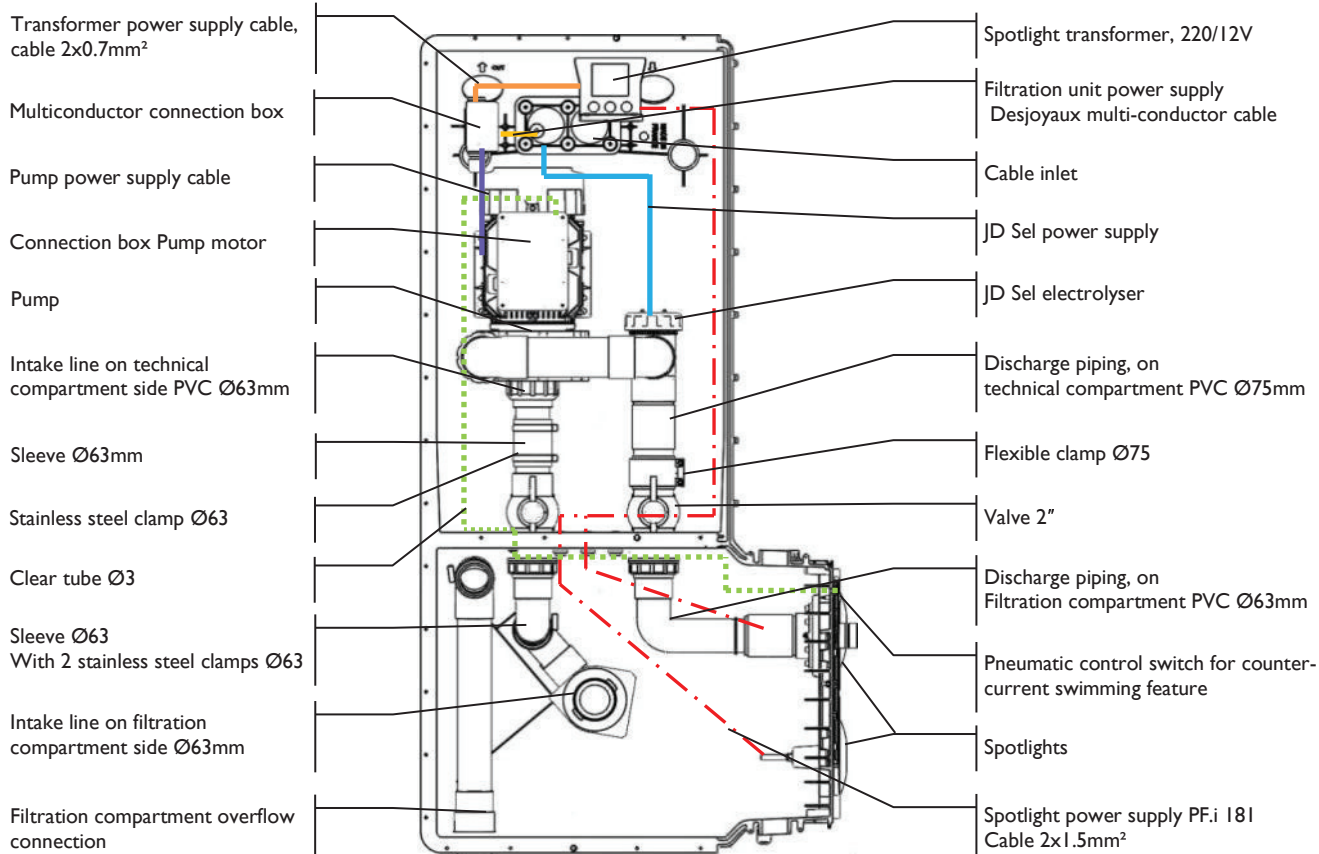
PF.i 181 injected filtering panel - Bypass option



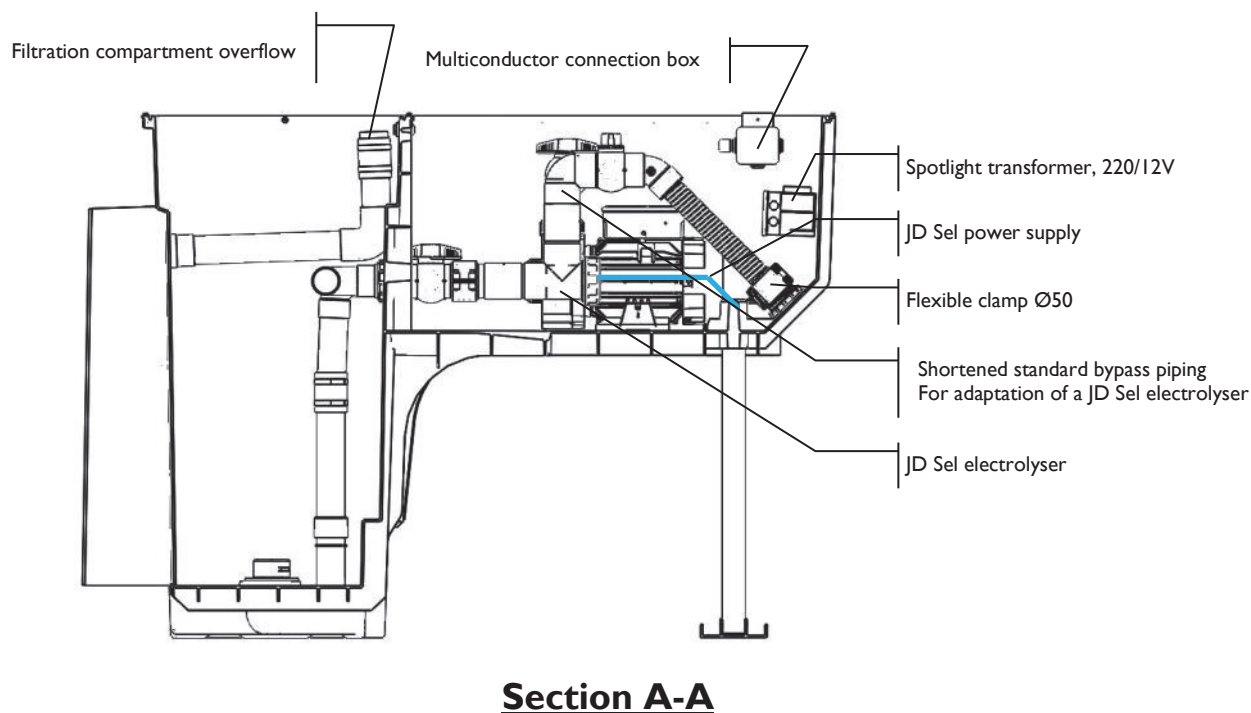
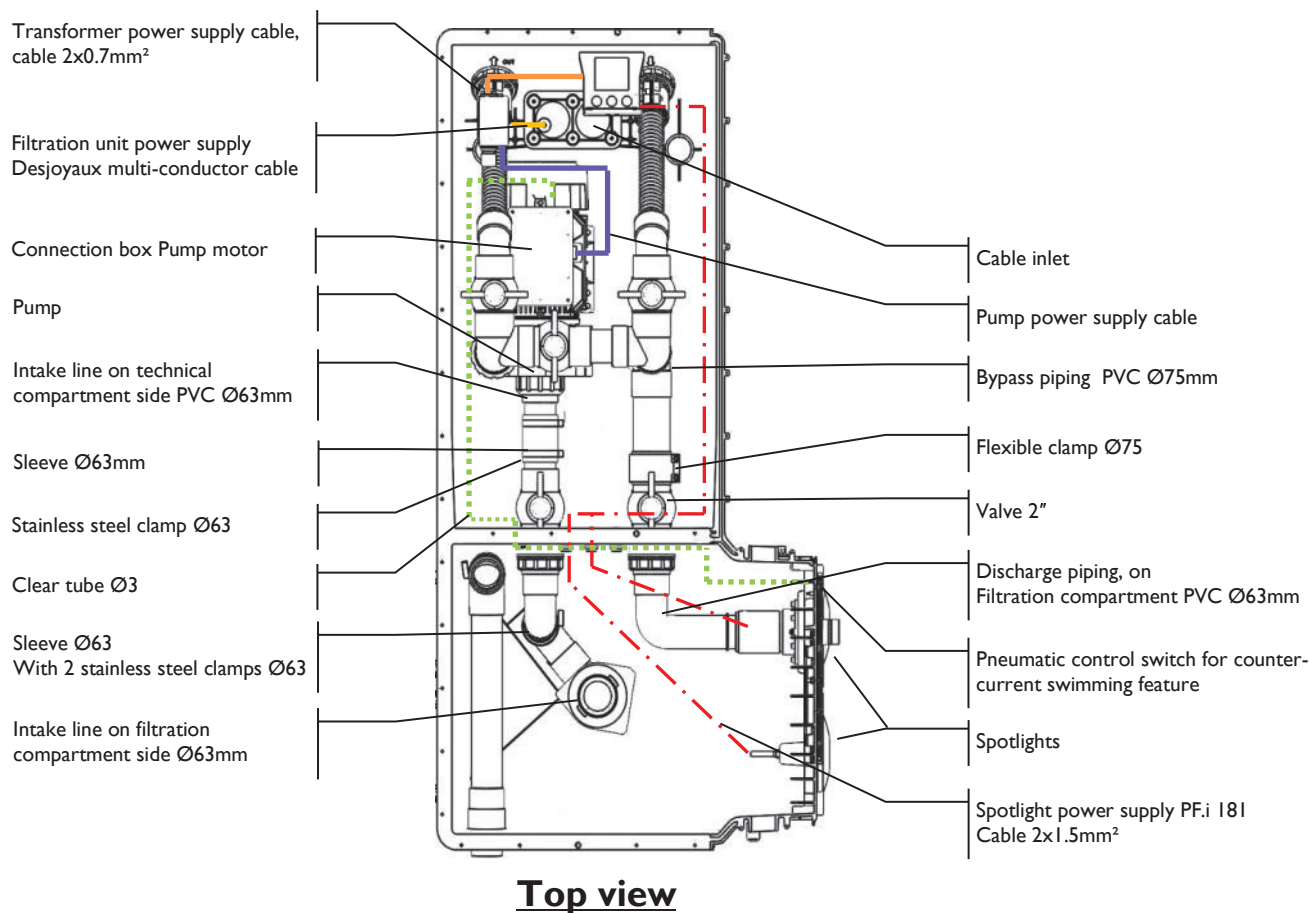
PF.i 181 injected filtering panel - Electric laser heater option



PF.i 181 injected filtering panel - JD Sel electrolyser option



PF.i 181 injected filtering panel - JD Sel electrolyser + Bypass option



General electrical instructions

6.9 Electrical connections

ELECTRICAL CONNECTIONS MUST BE MADE BY A QUALIFIED ELECTRICIAN

- Connections shall comply with standard NF C15-100 (version in force).
- Hermetic electrical boxes are to be installed outside the regulatory safety zone, i.e. at a distance further than 3.5m from any point around the swimming pool.
- All of the connections in the connection boxes must be tightened.
- A 16A fuse circuit must be installed in series at the head of the power supply line of the filtration unit's electrical box (upline from the GFCI).
- Refer to the electrical diagrams below for the electrical connections.

6.10 Burying electrical cables

- Under a path or road, cables should be buried at a minimum depth of 0.85 metre.
- In other cases, the minimum depth is 0.5 metre.
- If the cables are not sheathed a red warning netting must be fitted (warning: only certain types of cables can be buried without sheaths).

6.11 Notes:

- The cover of the technical compartment which gives access to the electrical components (pumps, transformer) must be locked down with the screws provided for this purpose.
Prior to maintenance or servicing in the technical compartment, disconnect the mains power supply from the unit.
- The pump's power supply is single-phase.
- If the motor is single-speed P18, the black wire No. 6 (refer to the filtration electrical box) is not used. Simply leave it connected to the 4-pin female connector in the multiconductor connection box.
- The power supply must be grounded:
 - in France, it must be of acceptable value and its resistance must be measured periodically;
 - in Belgium, the ground connection must have a value of 30 ohms (for domestic installations).

IMPORTANT NOTE:

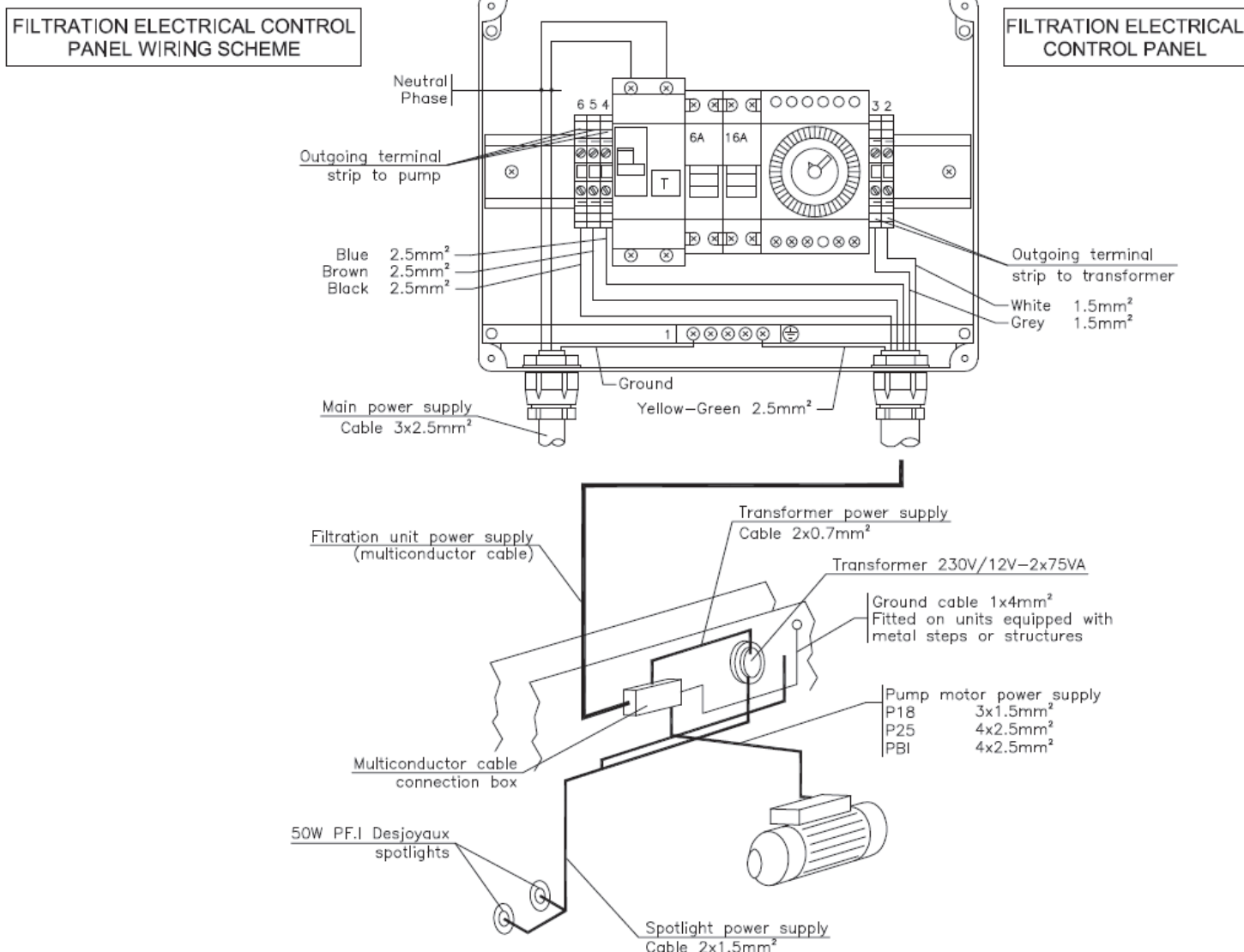
30 milliamp GFCIs on:

- the filtration electrical control panel;
 - on the heater / blower electrical control panel,
- must be tested periodically (at least once a month).*

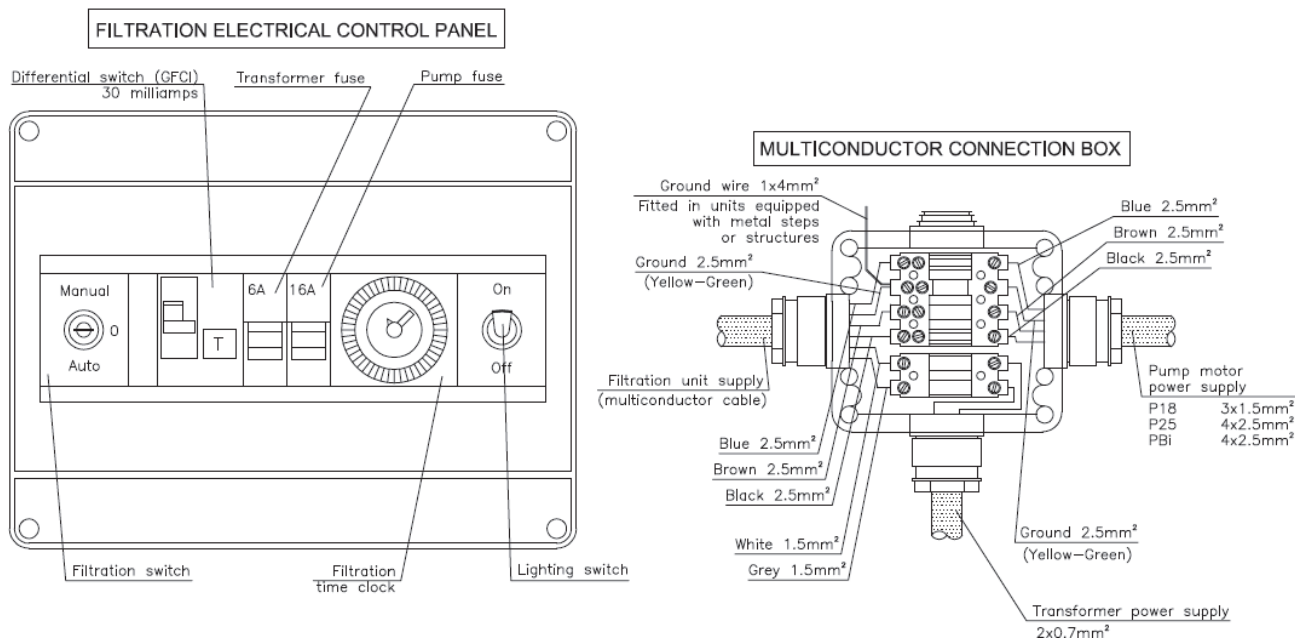
The GFCI must trip when the test button is pressed.

- This test is performed when power is supplied to the GFCI.
- If the GFCI does not trip, disconnect the power upline and call a qualified electrician for repair.

Control panel connection diagram ELEC 50-60 HZ

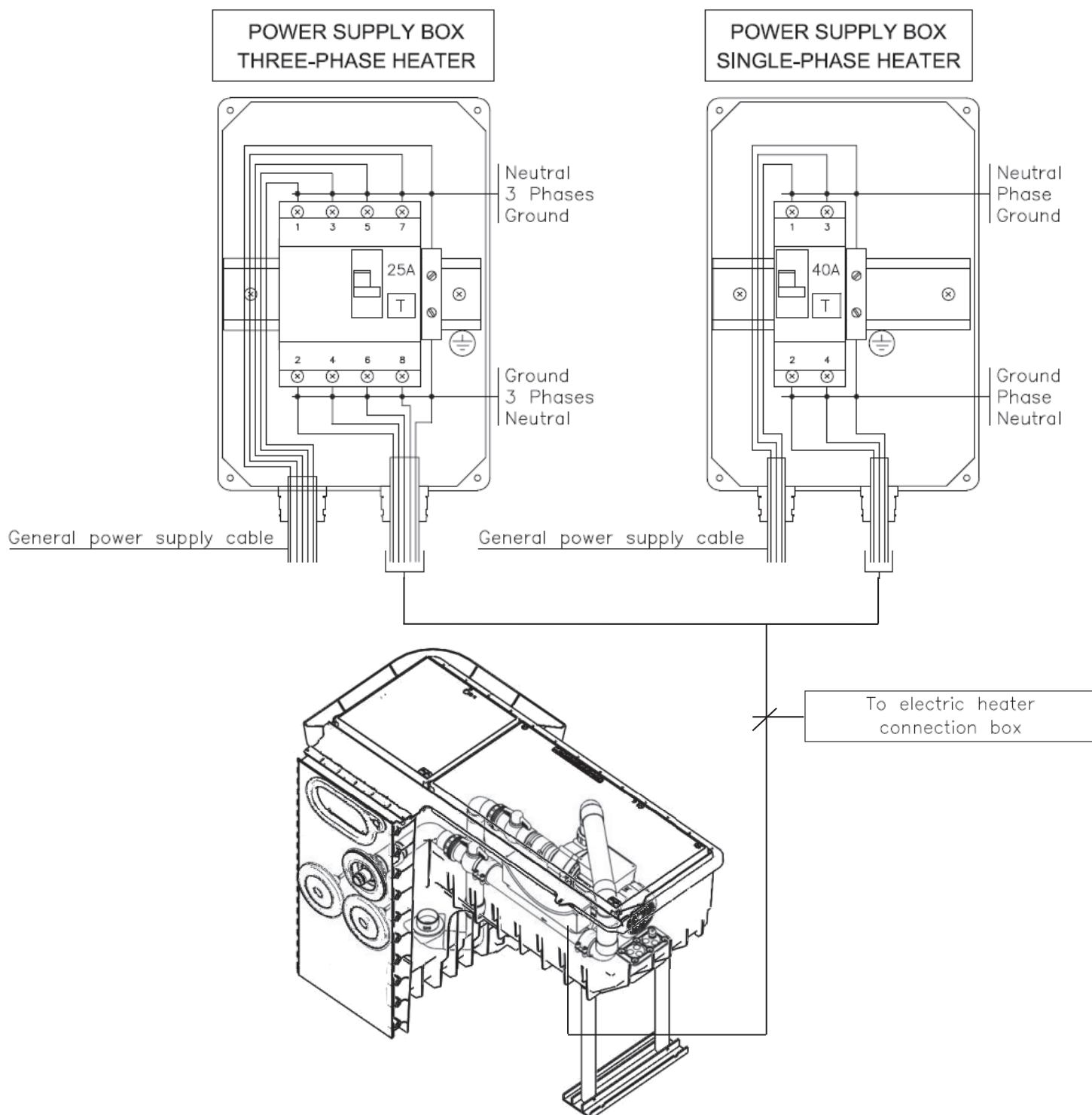


NOTE: If the motor is single-speed P18, the black wire No. 6 is not used. Simply leave it connected to the 4-pin female connector in the multiconductor connection box.



Connection diagrams for the laser-type electric heater

CAUTION: The laser-type electric heater requires a second power cable to be fitted, in addition to the multiconductor cable required for filtration and lighting (see cable section below).



THREE-PHASE	FUSES	Cable section
Laser 6	10A	5x2.5mm ²
Laser 9	16A	5x4mm ²
Laser 12	20A	5x6mm ²

SINGLE-PHASE	FUSES	Cable section
Laser 6	32A	5x2.5mm ²
Laser 9	50A	5x4mm ²