



SERVICE MANUAL

Fusion Comet 39kW

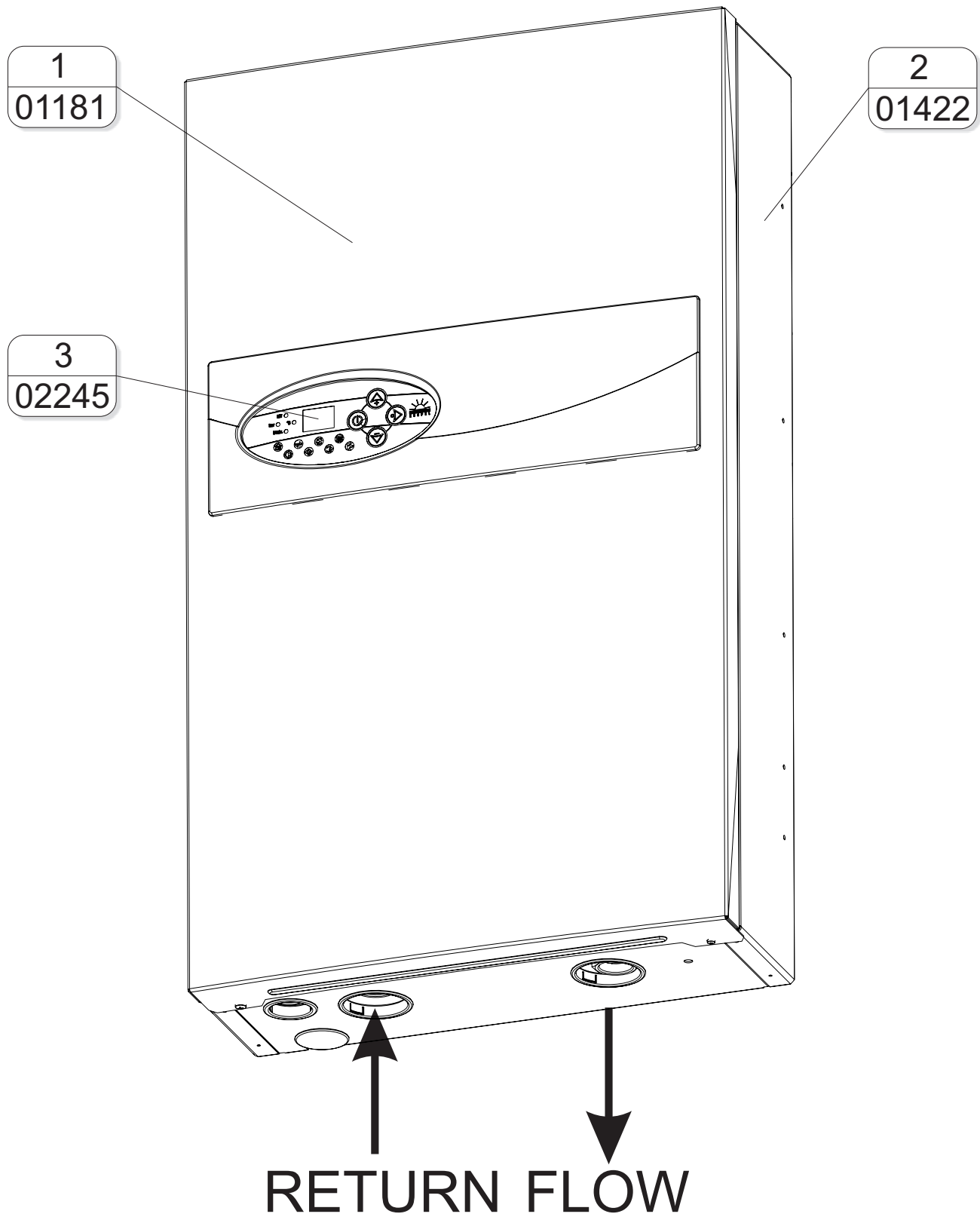
14.06.2021

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1. Exterior view of Comet 39kW

Pic.1. Exterior view.



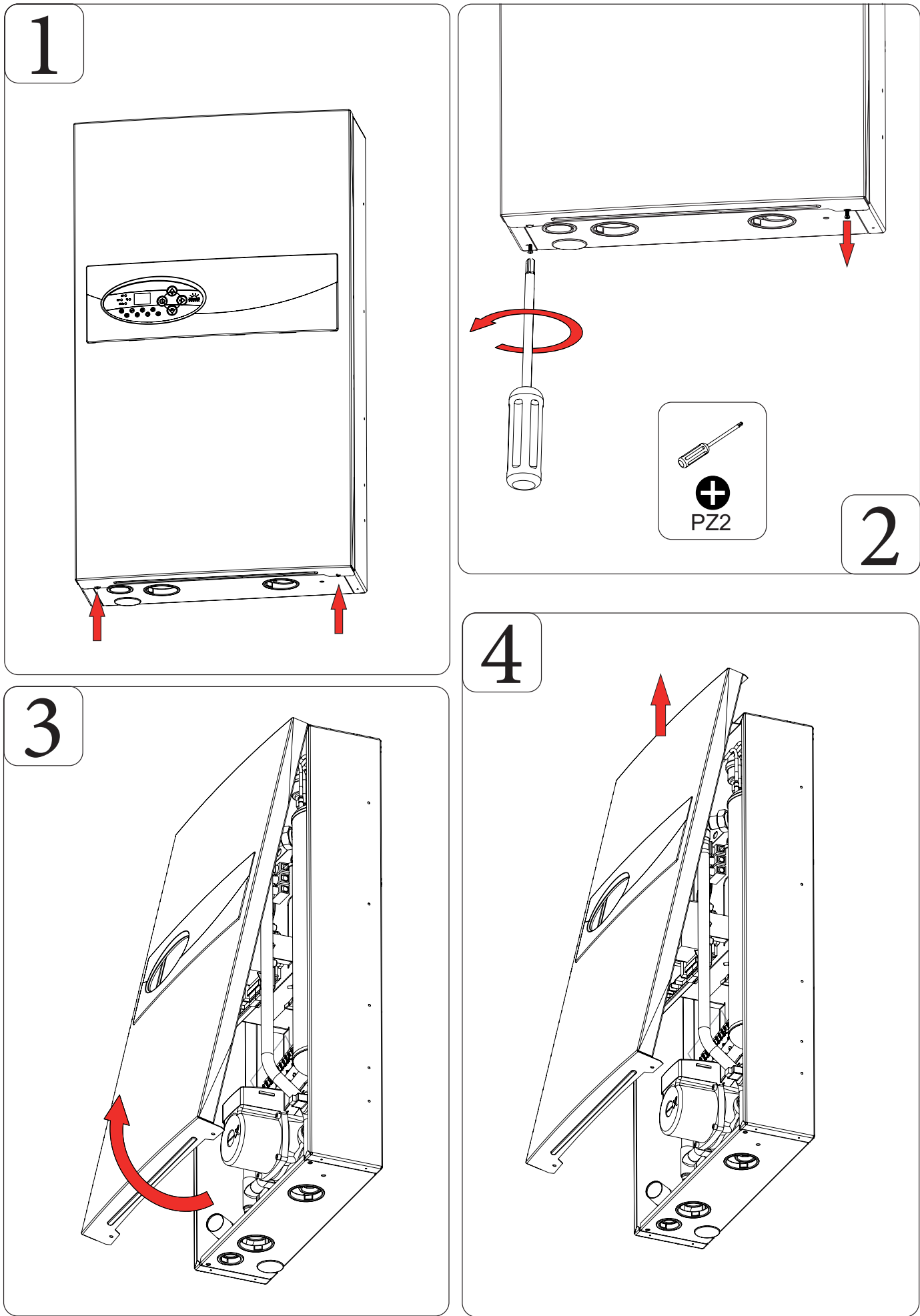
Parts number in table of parts

1
01181

Service code

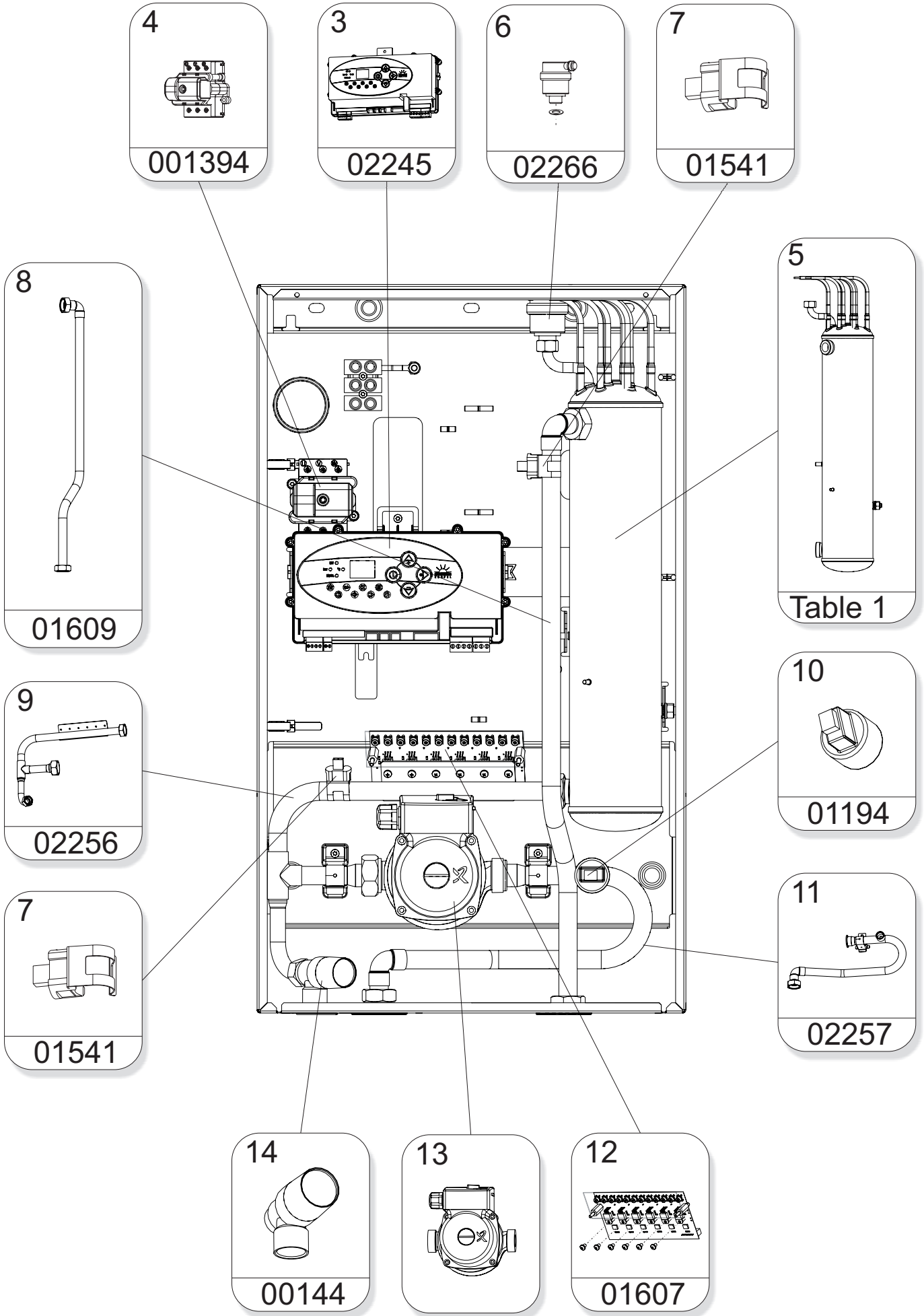
2. Disassembly of the front cover.

Pic.2. Disassembly of the front cover.



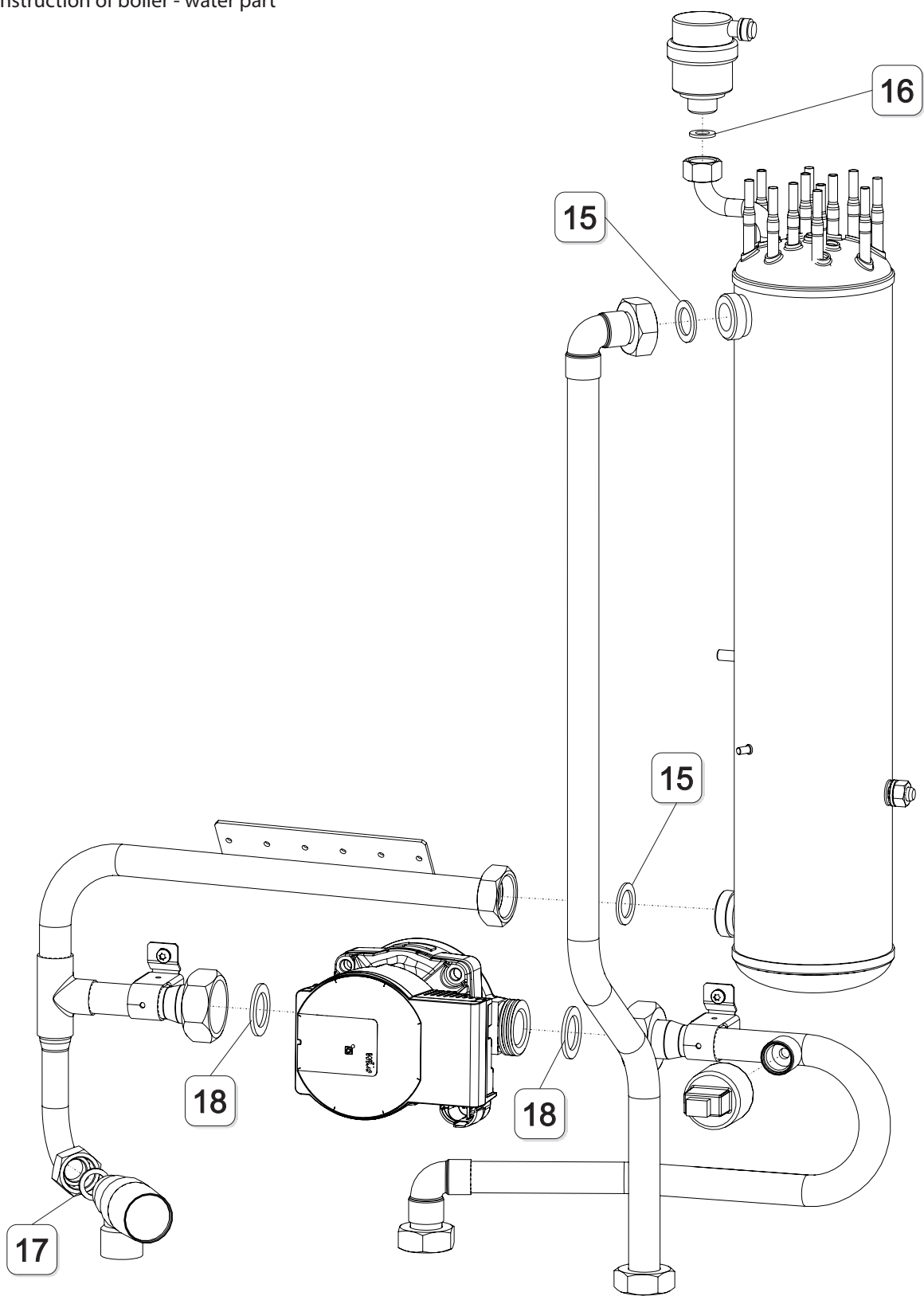
2.1 Interior view of Comet 39kW

Pic.3. Interior view.



2.2. Construction of Comet 39kW - water part.

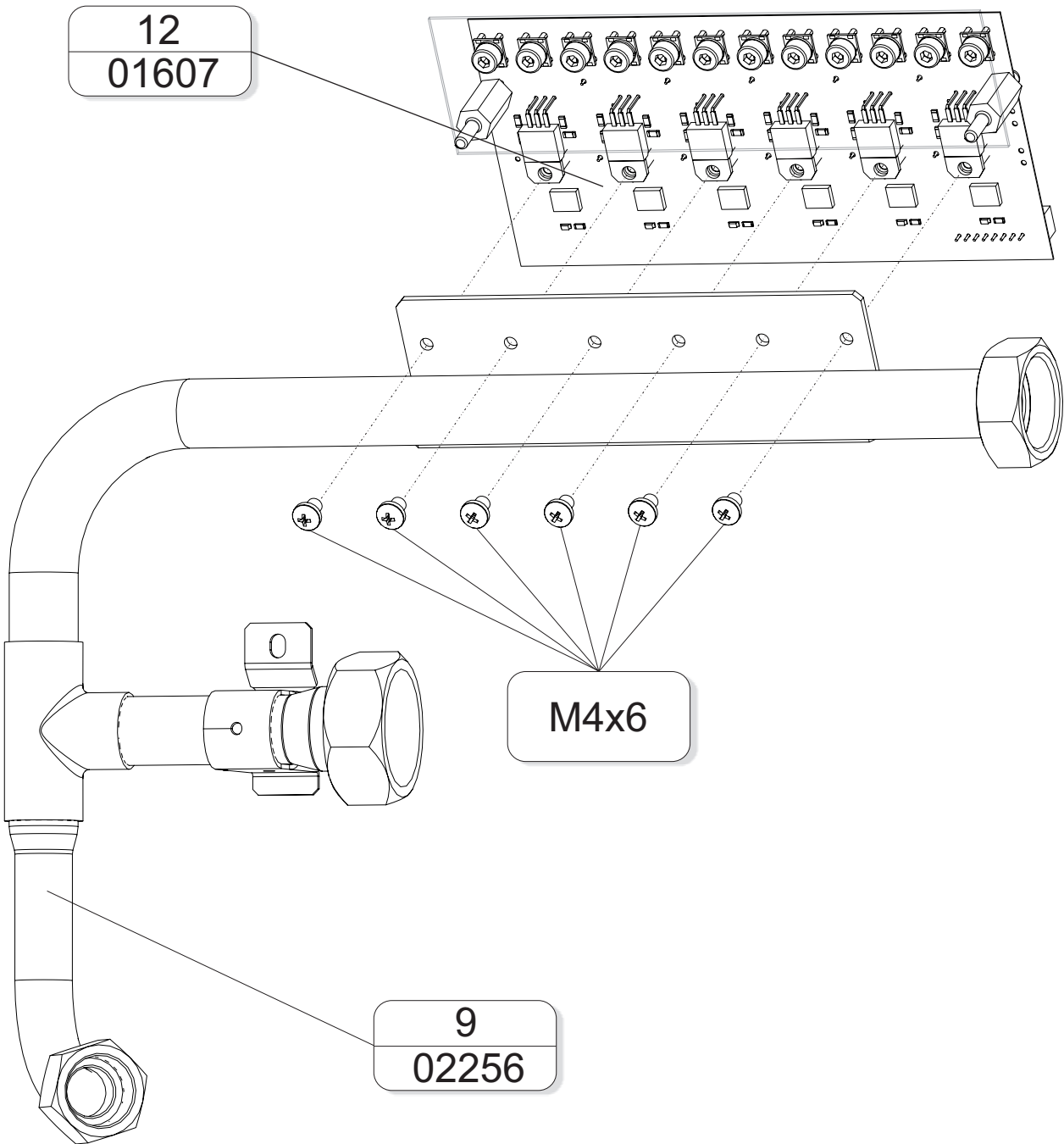
Pic.4. Construction of boiler - water part



Pos.	Service code	Name
15	00882	Gasket 1,5x16x24
16	00253	Gasket 1,5x14,8x 8
17	01917	Gasket 1,5x13x18,6
18	00647	Gasket 2x30x21 (1")

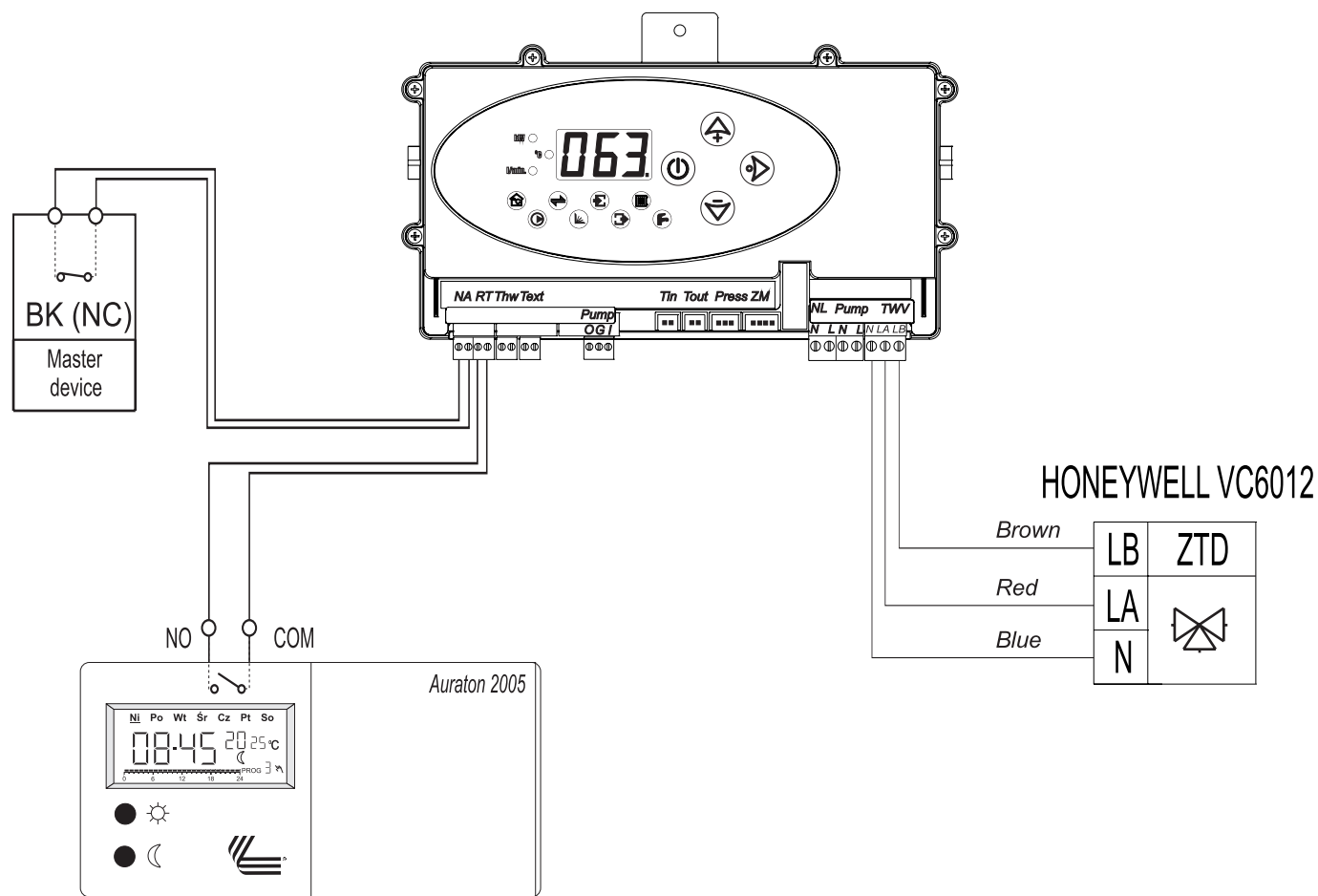
2.3. Assembly of power board.

Pic.5. Assembly of power board.



3. Connecting of external devices to the control panel PSK.P12.

Pic.6. Connecting of external devices.



4. Heating box.

Pic.7. Heating box.

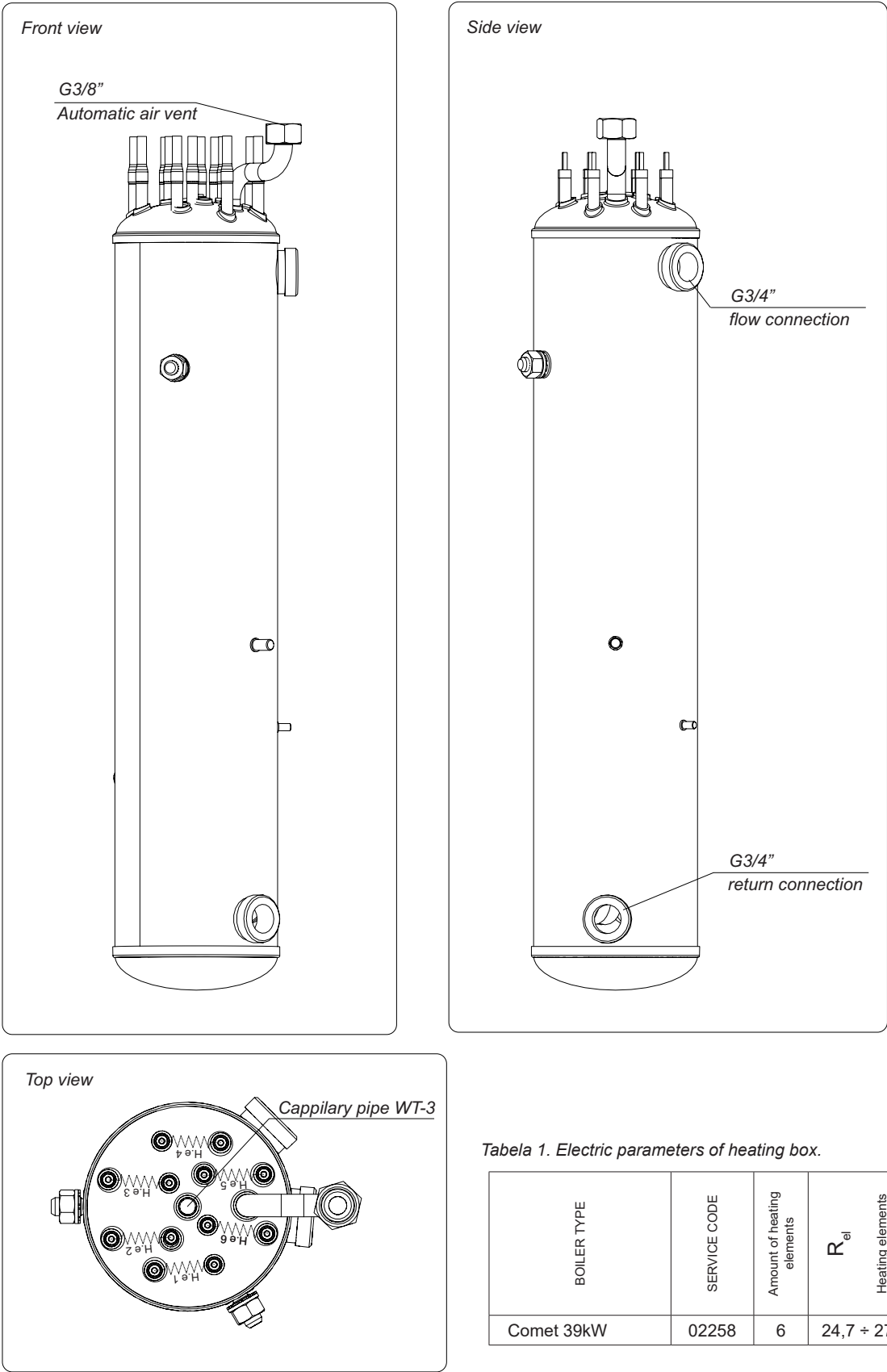
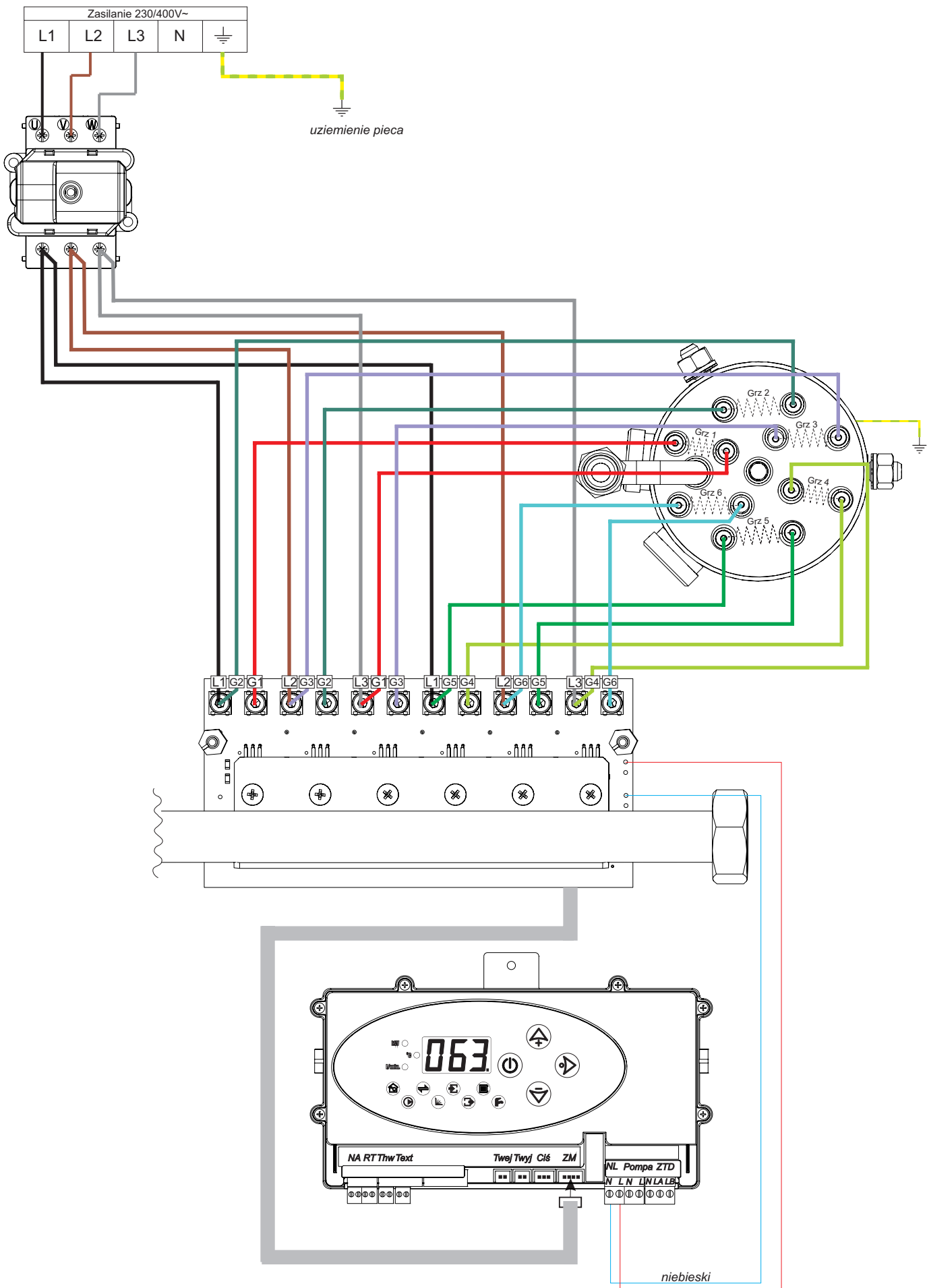


Tabela 1. Electric parameters of heating box.

BOILER TYPE	SERVICE CODE	Amount of heating elements	R_{el} Heating elements resistance[Ohm]	U working voltage of the heating elementsi [V]
Comet 39kW	02258	6	24,7 ÷ 27,3	400

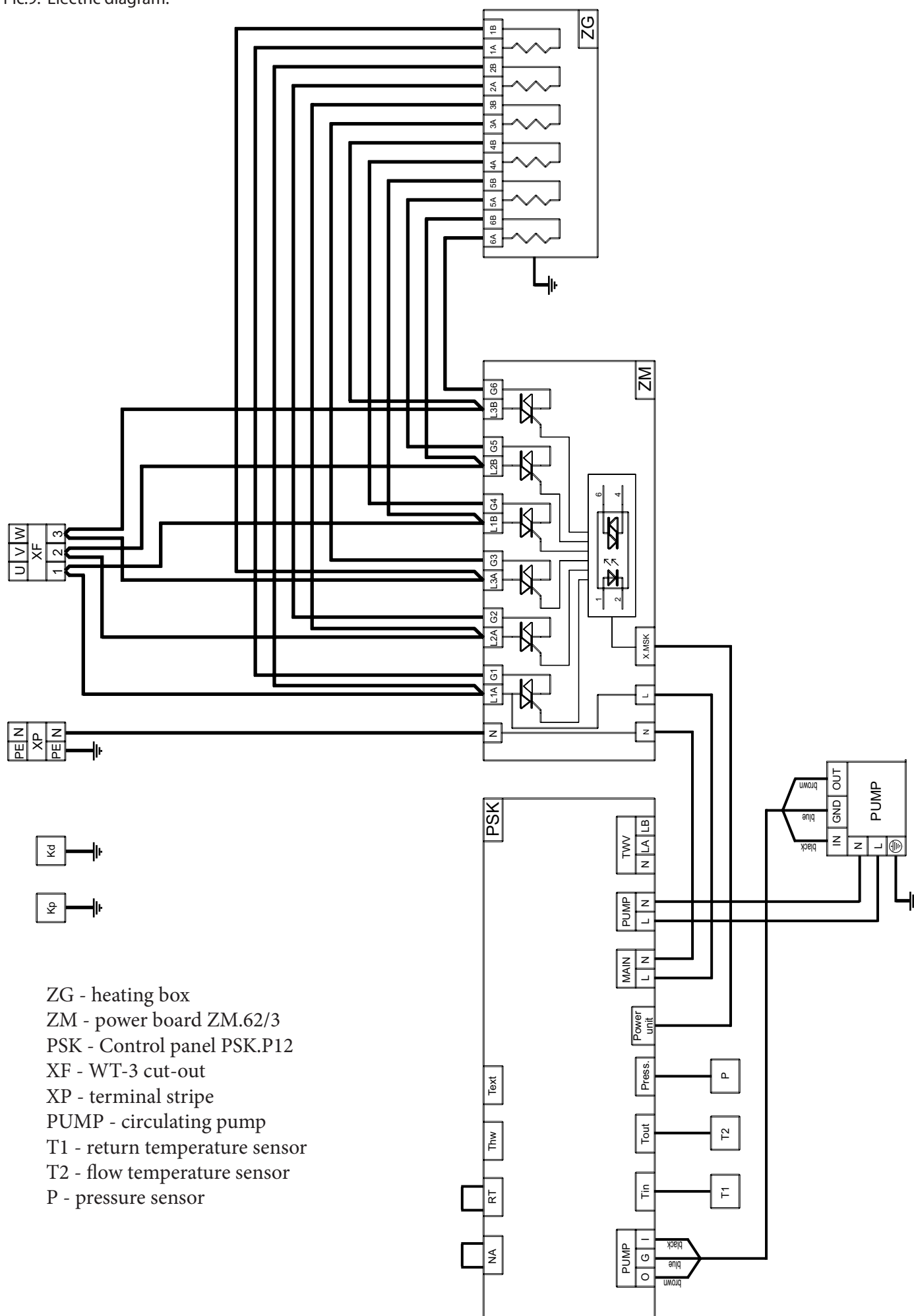
5. Power board connection Comet 39kW.

Pic.8. Power board connection



6. Wiring diagram Comet 39kW

Pic.9. Electric diagram.



ZG - heating box

ZM - power board ZM.62/3

PSK - Control panel PSK.P12

XF - WT-3 cut-out

XP - terminal stripe

PUMP - circulating pump

T1 - return temperature sensor

T2 - flow temperature sensor

P - pressure sensor

7. Spare parts list.

Table 2. Parts list.

Pos.	Service code	Picture number	Name	Amount (pcs)	Notice
1	01181	OK.B7-00.00/01	Front cover EKCO.LN2	1	
2	01422	EKCO.L2-51.00.00/01	Case EKCO.L2	1	
3	02245	PSK.P12-00.00.00/02	Control panel PSK.P12 EKCO36.L2 ROM	1	
4	01394	WT3a-00.00.00/02	WT-3 safety cut-out EKCO.L2N	1	C.O. 100°C
5	02258	EKCO36.L2-01.00.00/02	Heating box EKCO36.L2 400V	1	
6	02266	01.305.0004.0	Automatic air-vent	1	
7	01541	WE-029/03	Flow temperature sensor NTC (clip type) EKCO. LN2/ MN2	1	
8	01609	EKCO36.L2-02.00.00	Outlet connection pipe EKCO36.L2	1	
9	02256	EKCO36.L2ROM-01.01.00	Inner pipe of power board EKCO36.L2 (without flow sensor)	1	
10	01194	01.000.0007.1	Pressure sensor	1	
11	02257	EKCO.36.L2ROM-02.00.00	Intlet connection pipe EKCO36.L2 ROM	1	
12	01607	PCA-ZM.62/03	Power board EKCO36.L2	1	
13	01766		Pump GRUN UPM3 15-75 130 AZA EUX9	1	
				1	
14	00144	Watts Interme	Diaphragm safety valve MSL MSL 30.1/2"	1	
15	00882	WP-054/12	Gasket 1,5x16x24	2	
16	00253	WP-054/02	Gasket 1,5x14,8x 8	1	
17	01917	WP-054/10	Gasket 1,5x13x18,6	1	
18	00647		Gasket 2x30x21 (1")	2	

