

Electric boiler with flow-through technology

- Independent heat source or additional heat source for heat pump systems.
- Can be connected to many heating systems.
- For detached houses as well as terraced houses, blocks of flats and industrial properties.
- Electrical resistors and control unit.
- Does not include hot water tank.
- Works with flow-through technology and requires an external circulating water pump that circulates water in the boiler.
- 7 or 15 stage control system.



The Jäspi FIL SPL electric boiler can operate as an independent heat source or it can be connected to heat pump systems as a source of backup and additional heat.

Jäspi FIL SPL is suitable for terraced houses, apartment buildings and industrial properties.

FIL SPL consists of electric heaters and a control unit and does not include a hot water tank. FIL works with flow-through technology and requires an external circulating water pump that circulates water in the boiler.

Technical information 31.5 - 400	
Electrical information	
Rated voltage, models 31.5 - 300	400 V 3 N AC 50 Hz
Rated voltage, models over 300 - 400	400 V 3 AC 50 Hz
Control unit voltage (internally connected)	230 V 1 N AC 50 Hz +/- 10 %
Secondary current of Jäspi current transformers	0 - 1 A
Secondary current of primary current transformers	0 - 5 A
IP class	IP 20
Power steps	
Models 31.5 - 140	7 steps
Models 150 - 400	15 steps
General	
Ambient temperature	5...35 °C
Max temperature	110 °C
Max pressure	10 bar
Operating temp. (electric boiler)	30-99 °C
Pipe connections	
Models 31.5 - 140	DN 65
Models 150 - 400	DN 100
Volume	
Models 31.5 - 140	85 l
Models 150 - 400	220 l
Weight	
Models 31.5 - 140	170 kg
Models 150 - 400	320 kg

Power	Recommended fuse
31.5 kW	3 x 63 A
42 kW	3 x 80 A
52.5 kW	3 x 100 A
70 kW	3 x 125 A
84 kW	3 x 160 A
105 kW	3 x 200 A
120 kW	3 x 250 A
140 kW	3 x 250 A

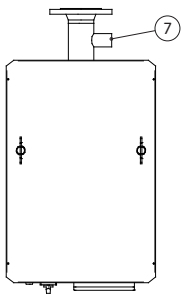
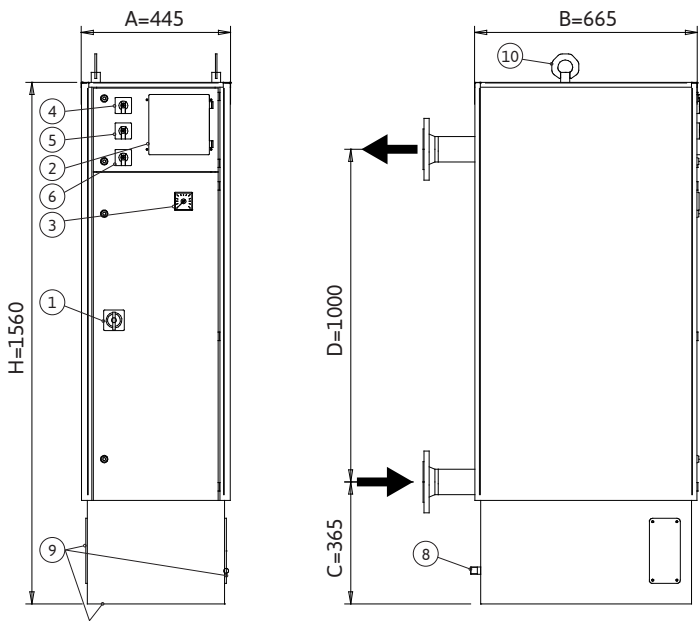
Power	Recommended fuse
150 kW	3 x 250 A
180 kW	3 x 315 A
225 kW	3 x 400 A
300 kW	3 x 500 A
400 kW	2 x (3 x 400 A)

Accessories	Code
Outdoor temp sensor	M01027
Current transformers	M01026
Dry boiling protection*	M01695

* Standard in models 150-400
Other accessories from our sale.

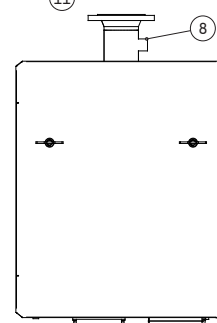
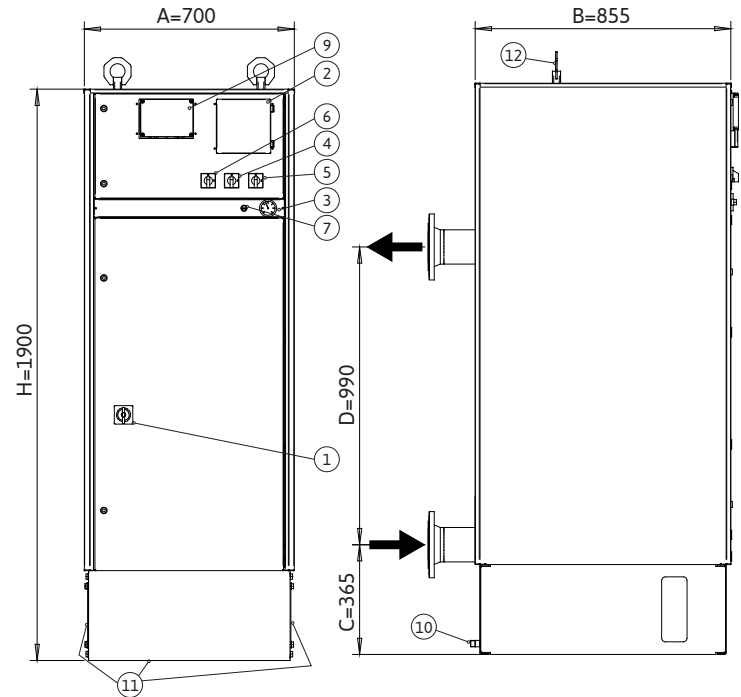
Jäspi FIL SPL

FIL SPL 31.5 - 140



1. Safety switch
2. Control unit
3. Thermometer
4. Control voltage switch
5. Normal/standby mode selector switch
6. External control switch
7. Space charge for dry boiling limiter
8. Drain connection
9. Space reservation for electrical cable entry
10. Lifting point

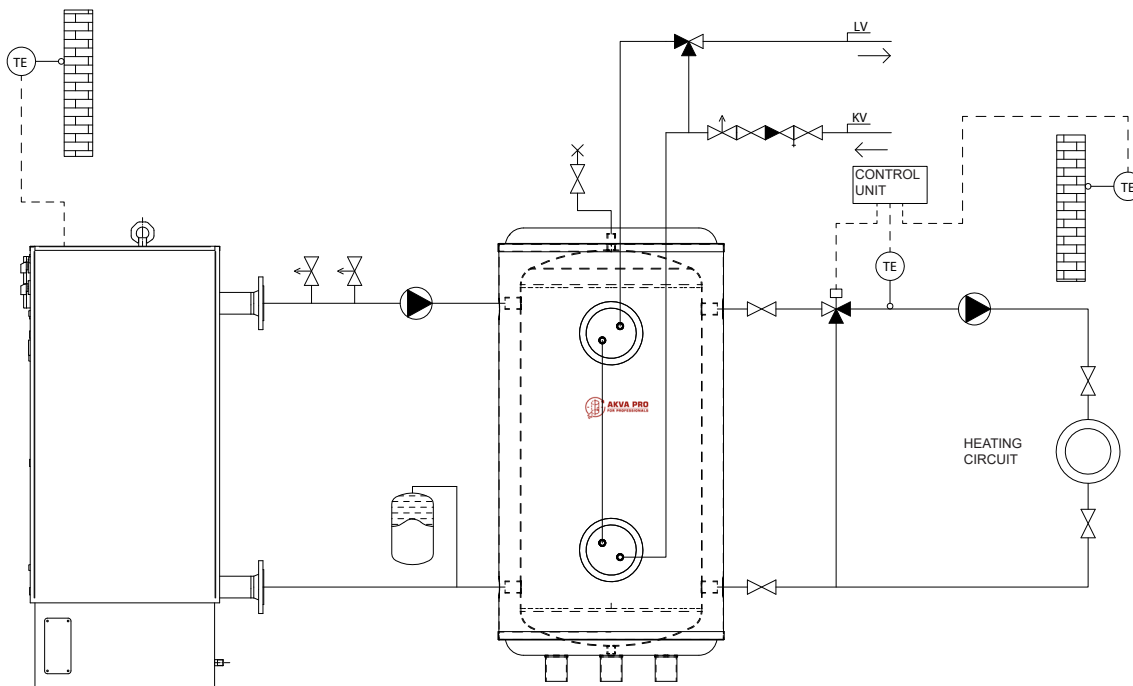
FIL SPL 150 - 400



1. Safety switch
2. Control unit
3. Thermometer
4. Control voltage switch
5. Normal/standby mode selector switch
6. External control switch
7. Temperature limiter
8. Dry boiling limiter sensor
9. Dry boiling limiter
10. Drain connection
11. Space reservation for electrical cable entry
12. Lifting point

Circuit diagram L000662

Jäspi FIL SPL + Akva Pro



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- 15 stage control system.



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Technical information 500 - 1600	
Electrical information	
Rated voltage	400 V 3 AC 50 Hz
Control unit voltage (internally connected)	230 V 1 N AC 50 Hz +/- 10 %
Secondary current of Jäspi current transformers	0 - 1 A
Secondary current of primary current transformers	0 - 5 A
IP class	IP 20
Power steps	
Models 500 - 1600	15 steps
General	
Ambient temperature	5...35 °C
Max temperature	110 °C
Max pressure	10 bar
Operating temp. (electric boiler)	30-99 °C
Pipe connections	
Models 500 - 1600	DN 125
Volume	
Models 500 - 800	480 l
Models 800 - 1200	750 l
Models 1200 - 1600	1000 l
Weight	
Models 500 - 800	480 kg
Models 800 - 1200	750 kg
Models 1200 - 1600	1350 kg

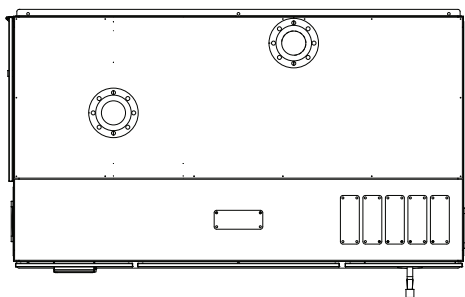
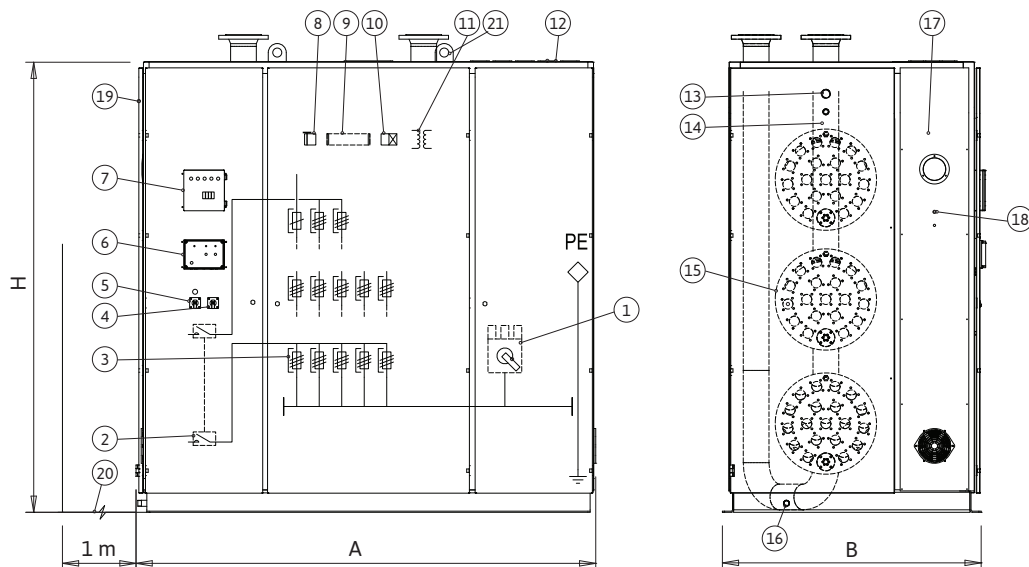
Power	Recommended fuse
500 kW	2 x (3 x 500) A
600 kW	2 x (3 x 630) A
700 kW	2 x (3 x 630) A
800 kW	3 x (3 x 500) A
900 kW	3 x (3 x 630) A
1000 kW	3 x (3 x 630) A
1200 kW	4 x (3 x 630) A
1500 kW	6 x (3 x 500) A
1600 kW	6 x (3 x 500) A

Accessories	Code
Outdoor temp sensor	M01027
Current transformers	M01026

Other accessories from our sale.

Jäspi FIL SPL

FIL SPL 500-1600



1. Main safety switch (AB + disconnector + shutdown command)
2. Power stage contactors
3. Power stage fuses
4. Heating / backup heating switch
5. Control voltage switch
6. Anti-boiling protection unit
7. Control unit / circuit board
8. Backup heating thermostat
9. Terminal blocks
10. Time relay
11. Control voltage transformer
12. Electrical leads
13. Anti-boiling protection sensor
14. Temperature sensors (limiter and thermostat)
15. Electric heating elements
16. Drain sleeve DN15
17. Temperature gauge
18. Thermostat / limiter
19. Door for maintenance of heating elements
20. Space for maintenance of heating elements
21. Lifting lug

Model	Measurements A x B x H
500...800	2000 x 1150 x 1800 mm
800...1200	2000 x 1150 x 2000 mm
1200...1600	2000 x 1150 x 2400 mm

Circuit diagram L000662

Jäspi FIL SPL + Akva Pro

