LOG COMBUSTION SYSTEM

15 - 80 KW

SCHMID
energy solutions

NATURAL, HEALTHY HEAT

Mr Tröhler has been committed to sustainable heat generation for many years and now owns the first Novatronic XV of the new Schmid generation. «You can really rely on the Schmid products and service. Now I can enjoy the comfort of my own home with a good conscience.»

TRADITION SINCE 1936

Our long-standing experience is the basis for our success. Schmid stands for reliable, durable and robust solutions that make heating with wood efficient, cost effective and convenient.

Our aim is to develop first-class products that meet the needs of our customers with their outstanding reliability and durability. Our products are designed by well trained employees and manufactured from high-quality materials.

State-of-the-art Schmid technology makes heating with wood a useful alternative to other heating systems. As a natural and regenerative fuel, wood is very cost effective and is not exposed to major price fluctuations.

CONTENTS

FUEL

WOOD - THE ECONOMICAL ALTERNATIVE

Heating with wood is CO_2 neutral. What does it actually mean? When wood burns, the amount of carbon dioxide released into the atmosphere is the same as the tree absorbed during its growth. You can therefore make an active contribution to the long-term climate protection by using a log boiler.

Taking an overall investment and current energy prices into account, wood heating system is an economical alternative. Schmid log boilers are durable, have a high degree of efficiency and your investment pays back after a short time.

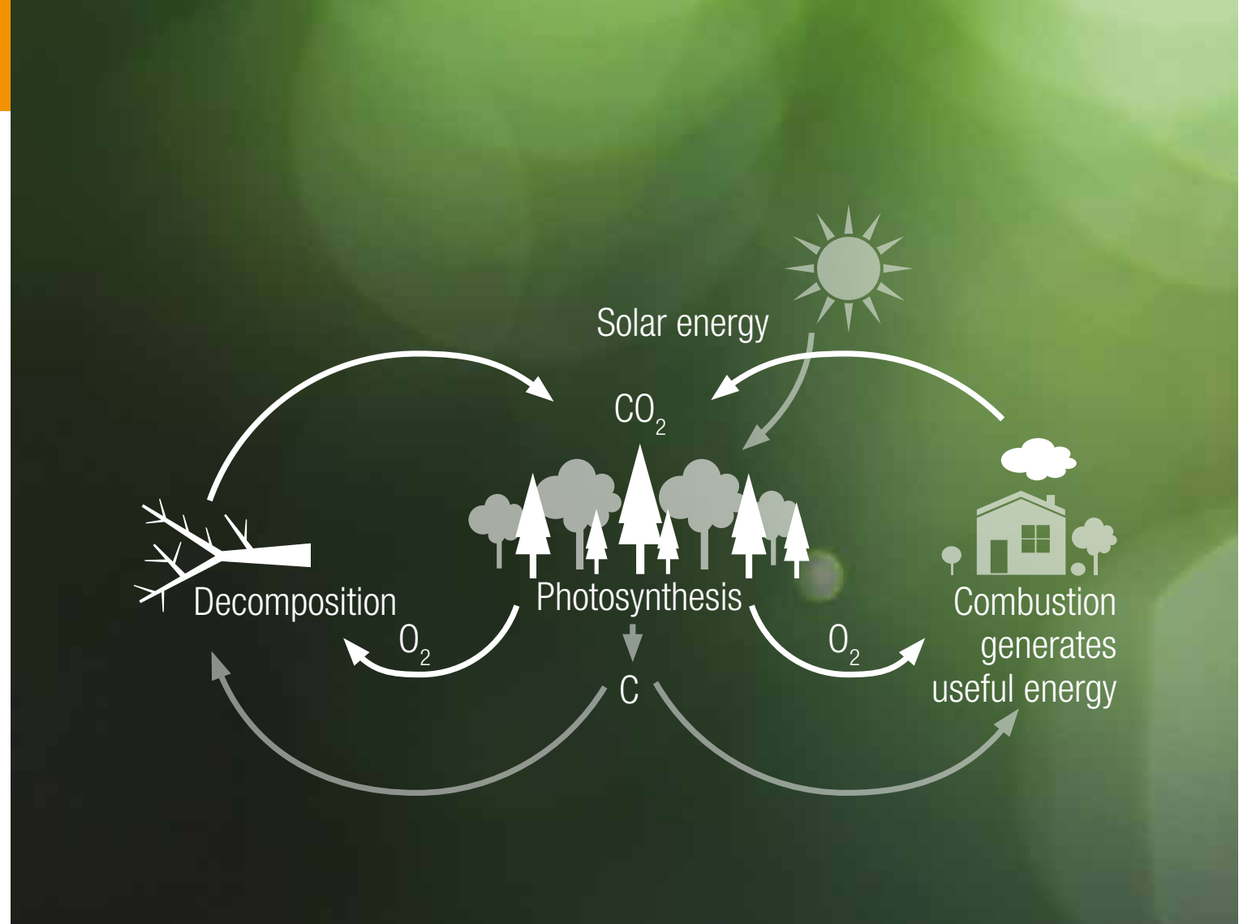
HEATING WITH WOOD – THE NATURAL WAY

Schmid log boilers combine classic wood heating with modern technology and convenience. With a capacity range of 15 - 80 kW, the log boilers are particularly suitable for single and multiple housing as well as agricultural enterprises. Heat generation with logs is ideal for everyone who can supply their own fuel, for example local forestry, agricultural or timber enterprises.

HOW TO STORE LOGS CORRECTLY

An important prerequisite for optimum combustion is correct storage of the fuel, as logs should be stored in a dry and well-ventilated place. Firing with moist logs is not only uneconomical, but also produces excessively high emissions at low combustion temperatures.

Economical
Regional
Ecological
Renewable



WOOD BECOMES HEAT

Whoever heats with wood, not only heats economically but also helps the environment. Heating with wood protects our climate, as wood is CO_2-neutral when it burns. As a regional, renewable fuel, wood is a reliable alternative to oil and gas.

LC3 CONTROL SYSTEM

Living area station

LC3 | LAMBDA CONTROL 3

With the Lambda Control 3 (LC3) regulation system, great emphasis is put on simple and intuitive operation. All control elements have the same touch operating logic.

- Boiler control unit
- Living area station
- Remote access via smartphone, tablet & PC

Remote access

LC3 CONTROL

- Intuitive operation with touch and slide control
- All functions are clearly shown as text or symbol
- Calculation of the correct fuel quantity during stoking as well as display of the next heating time
- Full system management for weather-dependent heating circuits, hot water heating and solar management are included
- The demand-controlled operation of a bivalent boiler is integrated as a standard feature
- Various interfaces for connection to building management systems

BOILER CONTROL UNIT

- Robust and scratch-proof 5" glass touch display
- Central system management, simple and convenient

LIVING AREA STATION

- Robust and scratch-proof 5" glass touch display
- Full control from the living area
- Possibility to be flush fitted into an in-wall casing

EXTENSION MODULE

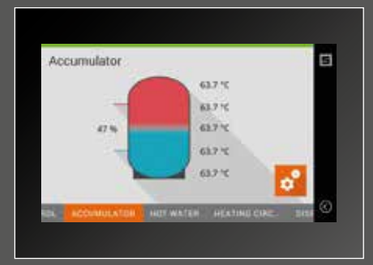
- Extension module with 1 or 2 heating circuits
- Extension module Multi Control 3 with three heating circuits and hot water

REMOTE ACCESS

- When installed on a smartphone, tablet or PC, the system can be controlled and monitored from any location
- Information, such as the current operating status, can be viewed at any time
- Important data, such as the next boiler cleaning interval, can be downloaded

Home screen

Boiler



Buffer accumulator

Heating circuit

NOVATRONIC XV 35

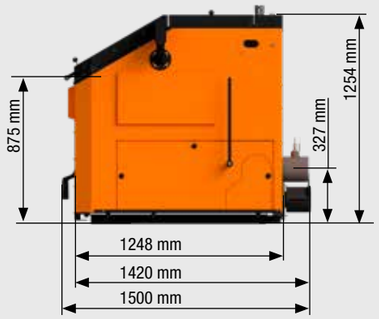
Log combustion system from 30 - 50 kW

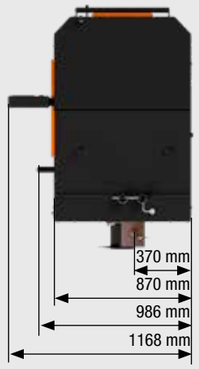
The Novatronic XV was developed for combustion of logs and complies with the state of the art in combustion technology. It has an impressively robust design and is very easy to use.

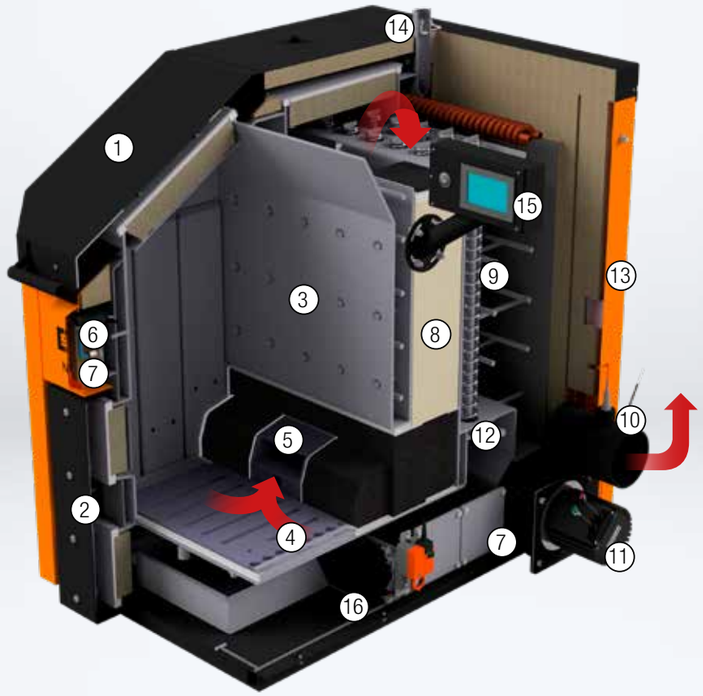
DETAILS MAKE THE DIFFERENCE

- Large filling room cover with low feeding edge for easy loading
- Easy heat exchanger cleaning with cleaning lever on either left or right
- Boiler control with 5” glass touch display on either left or right
- Flue gas connection on either left, right or rear
- Easily accessible, large ash compartment
- Automatic ignition (optional)

Boiler type	Nominal capacity in kW	Log length in cm	Filling chamber in l	Flue gas connection in mm	Filling edge height in mm	Weight in kg
Novatronic XV 35/30	30	50 (56)	163	150	972	930
Novatronic XV 35/35	35	50 (56)	163	150	972	930
Novatronic XV 35/40	40	50 (56)	163	150	972	930
Novatronic XV 35/49	49	50 (56)	163	150	972	930
Novatronic XV 35/50	50	50 (56)	163	150	972	930







A+ valid for all boiler types

1. Ideally positioned filling cover with an optimum cross-section for stoking
2. Front grate door for simple ignition and convenient de-ashing through the large opening
3. Generously designed filling chamber for guaranteed optimum infeed, also with difficult fuels
4. High heat resistance step/slide grate for maintaining the firebed and de-ashing
5. Lower combustion system with special secondary air injection in the flame channel
6. Underpressure measuring sensor for optimised combustion
7. Primary and secondary slide valves for consistent underpressure control of the combustion air volume
8. Highly resistant lined combustion chamber guarantees low emissions
9. Vertical heat exchanger tubes with cleaning springs
10. Lambda sensor and flue gas sensor
11. Energy-efficient and speed-controlled EC flue gas fan
12. Manual heat exchanger cleaning mechanism
13. Maximum efficiency guaranteed with 100 mm all-round insulation
14. Inlet and outlet connection
15. Boiler control with 5" glass touch display
16. Automatic ignition (optional)

Flame channel

NOVATRONIC XV 55

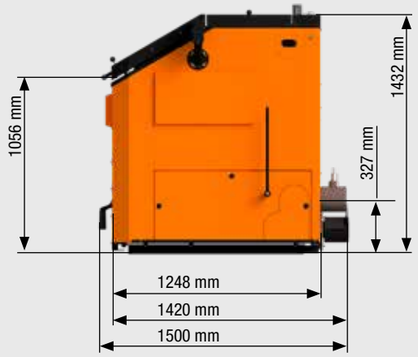
Log combustion system from 35 - 55 kW

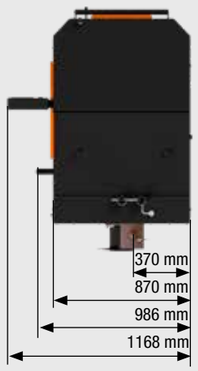
The Novatronic XV was developed for combustion of logs and complies with the state of the art in combustion technology. It has an impressively robust design and is very easy to use.

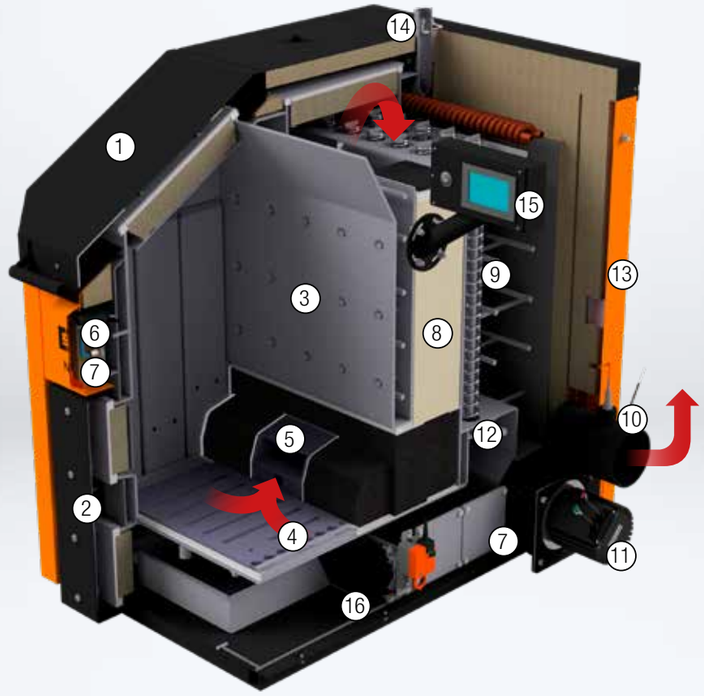
DETAILS MAKE THE DIFFERENCE

- Large filling room cover and high capacity for long re-feeding intervals
- Easy heat exchanger cleaning with cleaning lever on either left or right
- Boiler control with 5” glass touch display on either left or right
- Flue gas connection on either left, right or rear
- Easily accessible, large ash compartment
- Automatic ignition (optional)

Boiler type	Nominal capacity in kW	Log length in cm	Filling chamber in l	Flue gas connection in mm	Filling edge height in mm	Weight in kg
Novatronic XV 55/35	35	50 (56)	203	150	1151	1045
Novatronic XV 55/45	45	50 (56)	203	150	1151	1045
Novatronic XV 55/49	49	50 (56)	203	150	1151	1045
Novatronic XV 55/55	55	50 (56)	203	150	1151	1045







A⁺ valid for all boiler types

1. Ideally positioned filling cover with an optimum cross-section for stoking
2. Front grate door for simple ignition and convenient de-ashing through the large opening
3. Generously designed filling chamber for guaranteed optimum infeed, also with difficult fuels
4. High heat resistance step/slide grate for maintaining the firebed and de-ashing
5. Lower combustion system with special secondary air injection in the flame channel
6. Underpressure measuring sensor for optimised combustion
7. Primary and secondary slide valves for consistent underpressure control of the combustion air volume
8. Highly resistant lined combustion chamber guarantees low emissions
9. Vertical heat exchanger tubes with cleaning springs
10. Lambda sensor and flue gas sensor
11. Energy-efficient and speed-controlled EC flue gas fan
12. Manual heat exchanger cleaning mechanism
13. Maximum efficiency guaranteed with 100 mm all-round insulation
14. Inlet and outlet connection
15. Boiler control with 5” glass touch display
16. Automatic ignition (optional)

Flame channel

NOVATRONIC XV 80

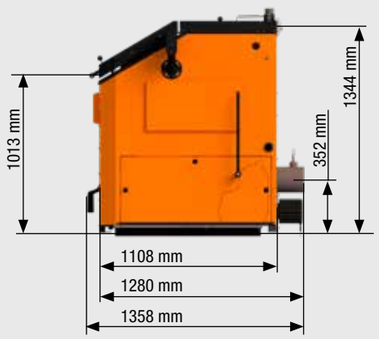
Log combustion system from 49 - 80 kW

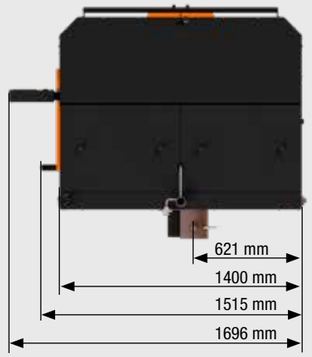
The Novatronic XV was developed for combustion of logs and complies with the state of the art in combustion technology. It has an impressively robust design and is very easy to use.

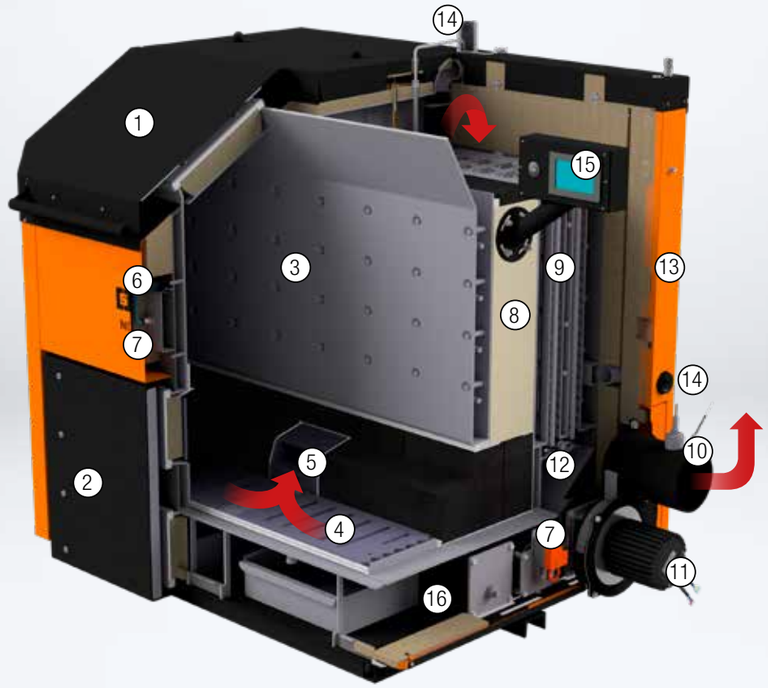
DETAILS MAKE THE DIFFERENCE

- Large filling room cover with low feeding edge and high capacity, therefore easy to stoke and long re-feeding intervals
- Log wood boiler for burning logs of 1 m
- Easy heat exchanger cleaning with cleaning lever on either left or right
- Boiler control with 5” glass touch display on either left or right
- Flue gas connection on either left, right or rear
- Easily accessible, large ash compartment
- Automatic ignition (optional)

Boiler type	Nominal capacity in kW	Log length in cm	Filling chamber in l	Flue gas connection in mm	Filling edge height in mm	Weight in kg
Novatronic XV 80/49	49	100 (109)	319	160	1092	1480
Novatronic XV 80/50	50	100 (109)	319	160	1092	1480
Novatronic XV 80/60	60	100 (109)	319	160	1092	1480
Novatronic XV 80/70	70	100 (109)	319	160	1092	1480
Novatronic XV 80/80	80	100 (109)	319	160	1092	1480







A⁺ valid for all boiler types

1. Ideally positioned filling cover with an optimum cross-section for stoking
2. Front grate door for simple ignition and convenient de-ashing through the large opening
3. Generously designed filling chamber for guaranteed optimum infeed, also with difficult fuels
4. High heat resistance step/slide grate for maintaining the firebed and de-ashing
5. Lower combustion system with special secondary air injection in the flame channel
6. Underpressure measuring sensor for optimised combustion
7. Primary and secondary slide valves for consistent underpressure control of the combustion air volume
8. Highly resistant lined combustion chamber guarantees low emissions
9. Vertical heat exchanger tubes with cleaning springs
10. Lambda sensor and flue gas sensor
11. Energy-efficient and speed-controlled EC flue gas fan
12. Manual heat exchanger cleaning mechanism
13. Maximum efficiency guaranteed with 100 mm all-round insulation
14. Inlet and outlet connection
15. Boiler control with 5” glass touch display
16. Automatic ignition (optional)

Flame channel

ZYKLOTRONIC XV²

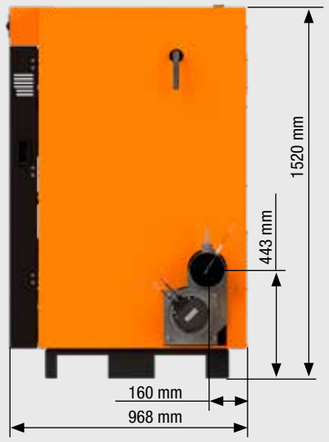
Log combustion system from 20 - 30 kW

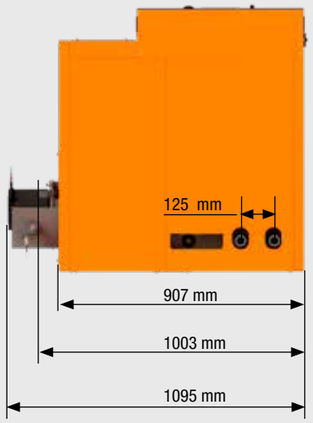
The Zyklotronic XV² was developed for combustion of logs and meets the state of the art in combustion technology. It has an impressive, cyclone-type combustion chamber and is very easy to use.

DETAILS MAKE THE DIFFERENCE

- Simple ash disposal with large ash tray
- Low flue connection on either right or at rear
- Conical combustion chamber for optimum fuel infeed
- Energy-optimized cladding
- Automatic ignition (optional)

Boiler type	Nominal capacity in kW	Log length in cm	Filling chamber in l	Flue gas connection in mm	Filling edge height in mm	Weight in kg
Zyklotronic XV² 30/20	20	50 (58)	160	150	930	703
Zyklotronic XV² 30/25	25	50 (58)	160	150	930	703
Zyklotronic XV² 30/30	30	50 (58)	160	150	930	703





A⁺⁺ valid for all boiler types

1. Boiler control with 5" glass touch display
2. Self-adjusting, operator-friendly filling door, can be hinged on either side
3. Carbonisation gas extraction prevents smoke discharge during stoking
4. Step grate made of a highly heat resistant special casting
5. Self-adjusting grate door for simple ignition and convenient de-ashing
6. Automatic ignition (optional)
7. Cyclone-type, vertical vortex combustion chamber for positive, optimised burnout
8. Manual cleaning lever on either right or at left
9. Flue gas fan, can be positioned either on the right or at the rear
10. Lambda sensor with flue gas sensor
11. Integrated ash tray
12. Connection for return temperature control group
13. Primary and secondary air control motor

Flame channel

EASYTRONIC XV²

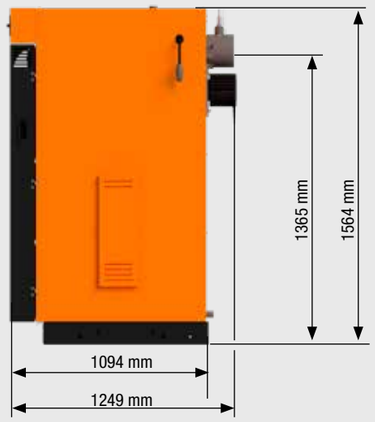
Log combustion system from 15 - 30 kW

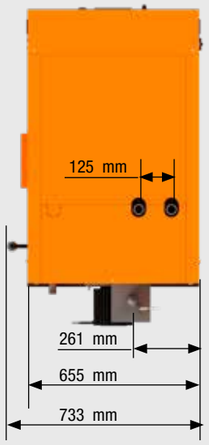
The Easytronic XV² was developed for combustion of logs and meets the state of the art in combustion technology. It has an impressively slimline design and is very easy to use.

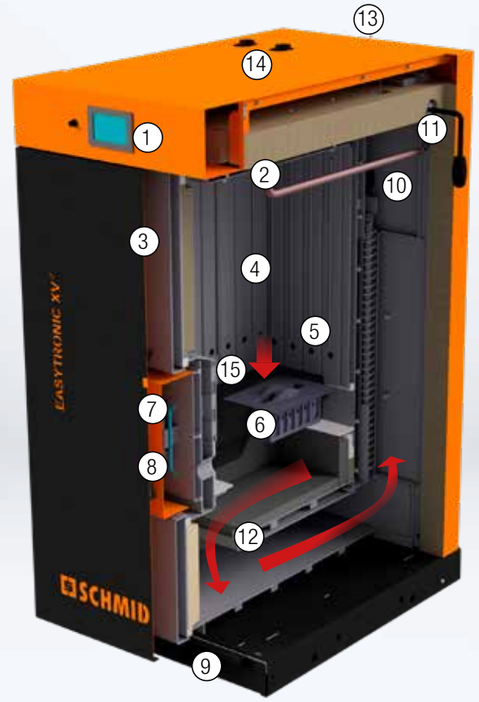
DETAILS MAKE THE DIFFERENCE

- Large filling door at convenient height for easy feeding
- Convenient heat exchanger cleaning from outside
- Simple de-ashing with integrated ash container in the boiler base
- Energy-optimized cladding
- Automatic ignition (optional)

Boiler type	Nominal capacity in kW	Log length in cm	Filling chamber in l	Flue gas connection in mm	Filling edge height in mm	Weight in kg
Easytronic XV² 30/15	12-15	50 (56)	145	150	882	757
Easytronic XV² 30/20	12-20	50 (56)	145	150	882	757
Easytronic XV² 30/25	15-25	50 (56)	145	150	882	757
Easytronic XV² 30/30	15-30	50 (56)	145	150	882	757







A⁺⁺ valid for all boiler types

1. Boiler control with 5" glass touch display
2. Carbonisation gas extraction with heating flap
3. Self-adjusting, operator-friendly filling door, can be hinged on either side
4. Filling chamber with steel panel cladding
5. Primary air supply
6. Two-part combustion nozzle
7. Primary air control motor
8. Secondary air control motor
9. Integrated ash tray
10. Cleaning system in the heat exchanger
11. Manual cleaning lever on either right or at left
12. Water-cooled secondary combustion chamber
13. Lambda sensor with flue gas sensor
14. Connection for return temperature control group
15. Automatic ignition (optional)

Flame channel

HEAT EXCHANGER CLEANING LEVER

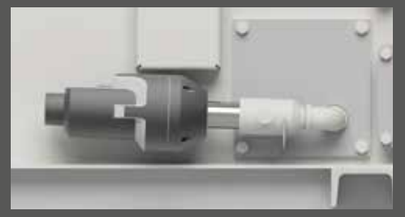
The manual heat exchanger cleaning has various advantages. On the one hand, cleaning the heat exchanger tube minimizes the workload for the chimney sweep, on the other, it ensures clean combustion and increases efficiency.

EC FAN

The EC fan ensures precise, infinitely variable capacity control and and reliable, quiet operation. EC fans consume less power and create higher pressure, so that more air can be conveyed at lower costs.

5" GLASS TOUCH DISPLAY

The new boiler control guarantees simple and convenient operation of the log combustion system. It includes full system management for weather-dependent heating circuits, hot water heating and solar management.

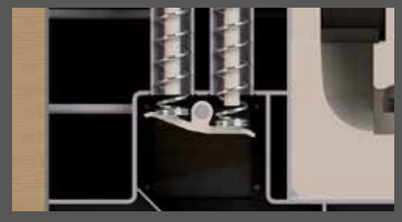


AUTOMATIC IGNITION UNIT

With the automatic ignition (optional), the heating period can be controlled individually, and with the LC3 Control even remotely. The stoked boiler can also be automatically ignited depending on the boiler temperature.

COMBUSTION CHAMBER UNDERPRESSURE CONTROL

The modern underpressure control optimises combustion. Constant underpressure ensures a high level of operational reliability, irrespective of the flue draught. The best emission values are achieved by the interaction of the underpressure control and the EC fan.



HEAT EXCHANGER CLEANING SPRINGS

The heat exchanger cleaning springs are moved from top to bottom with the cleaning lever. This process loosens the deposits in the heat exchanger tubes, which fall directly into the ash zone.

INTELLIGENT DETAILS – FOR THE EFFICIENT HEATING OF TOMORROW

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