



**Saunier Duval**

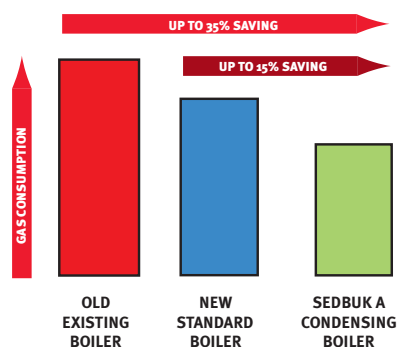
# ISOTWIN CONDENS

**High Efficiency  
Condensing Boiler**



**ISOTWIN CONDENS F35E Combination boiler**

# ISOTWIN CONDENS



**Energy Efficiency Recommended** is an Energy Saving Trust initiative backed by the government. The logo is only found on products that have been carefully selected for their energy efficiency. Buy where you see the sign and help save energy, money and the environment.



## Saunier Duval and High Efficiency

Over a decade of pioneering experience in manufacturing high efficiency means that Saunier Duval is renowned throughout Europe as a name that provides you with innovative home heating solutions, creating a range of high efficiency boilers suitable for all applications. Right across the continent, we have built a reputation for providing our customers with the greatest possible comfort and peace of mind.

### High Efficiency, low bills

Condensing boilers take more heat from the combustion gases and use energy that would otherwise be wasted. There are a number of benefits to be gained by fitting a high efficiency boiler:

- 1. It saves money** – a SEDBUK A condensing boiler typically consumes 30-35% less gas than an old existing boiler so bills will be lower.
- 2. It saves the planet** – fitting a condensing boiler contributes to reducing greenhouse gas emissions.

### ISOTWIN CONDENS High Efficiency Condensing boiler

The ISOTWIN CONDENS high efficiency storage combi combines innovative product design with reliable performance to give you the ultimate in hot water and heating comfort.

#### Comfort

- Its impressive 33 kW output provides heating and hot water comfort for even the largest family property.
- The ISODYN shift load storage system delivers up to 200 litres of usable domestic hot water every 4 minutes. Quick, efficient and supremely effective.
- Impressive 5 second hot water response.

#### Reliability

- The high grade stainless steel heat exchanger provides excellent corrosion resistance.
- The filters on mains water inlet and central heating return prevent blockages.
- A daily pump exercise program delivers assured product performance every day of the year.

#### Flexibility

- Extensive fluing options and frost protection means an ISOTWIN CONDENS can be sited almost anywhere.
- The Saunier Duval Plume Diverter Kit is fully compatible with the ISOTWIN CONDENS removing siting issues caused by plumbing nuisance.
- Zero compartment ventilation means the products can be installed in a cupboard or compartment.

#### Efficiency

- The ISOTWIN CONDENS is SEDBUK A rated – the highest efficiency rating achievable.



2 year  
guarantee



SEDBUK A  
rated



5 sec HW  
delivery



Timer  
compatible



Self  
diagnostics



### Control panel

Concealed, easy to use control panel which includes a digital display with on-board diagnostics and fault code display.

### Overview

The ISOTWIN CONDENS high efficiency storage combi combines innovative product design with reliable performance to give you the ultimate in hot water and heating comfort. A wall hung, fanned flued 33 kW storage combination boiler it uses a shift load storage tank to provide a remarkable 200 litres of usable hot water; plus there's anti-seizure controls, frost protection and on-board diagnostics with digital display for simple, easy read-outs and self-diagnosing faults.

For houses without a mains gas supply, the ISOTWIN CONDENS can be easily converted to G31 propane without a conversion kit. It all combines to make a reliable, user friendly boiler that's perfect for the larger home.

### Stainless steel heat exchanger

High grade stainless steel provides excellent corrosion resistance and product reliability

### House suitability

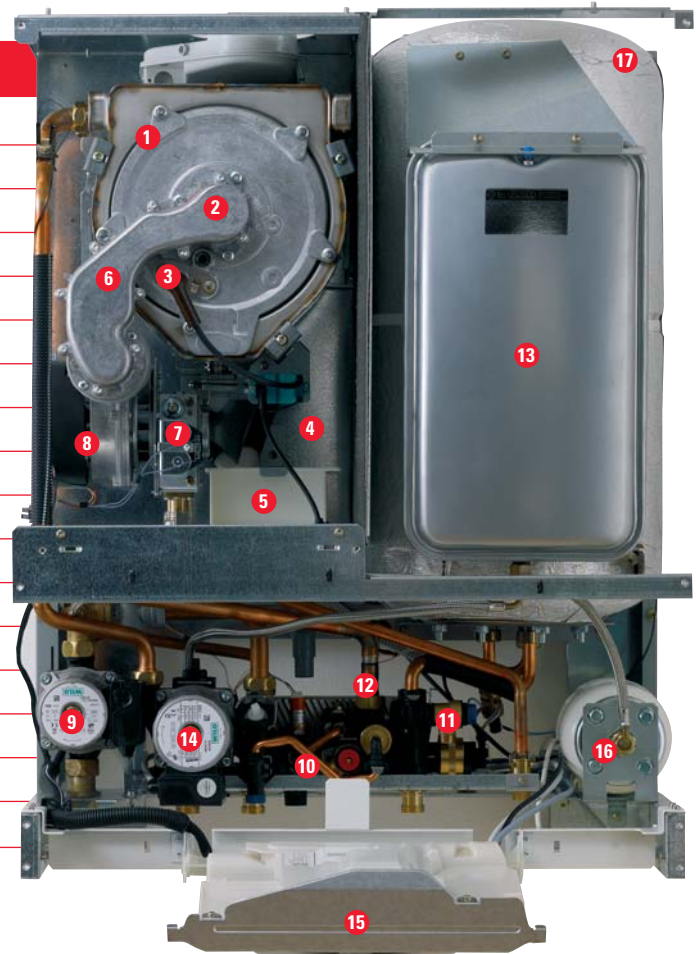
Typical 4 bedroom house.





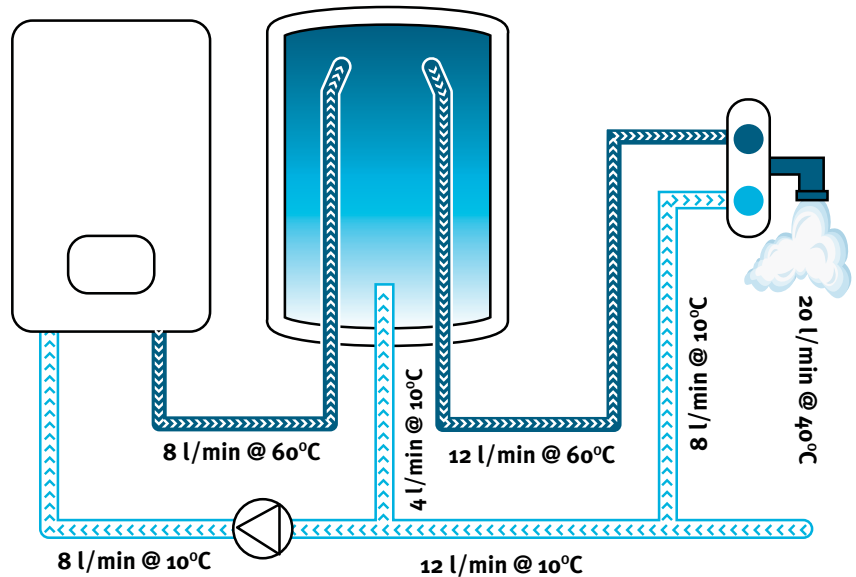
### ISOTWIN CONDENS F35E features

- 1 Stainless steel heat exchanger
- 2 Burner
- 3 Ignition electrode
- 4 Spark generator
- 5 Condensate trap
- 6 Mixing arm
- 7 Air/gas ratio controller
- 8 Fan
- 9 Domestic hot water pump
- 10 Filling loop
- 11 Pressure relief valve
- 12 Domestic hot water heat exchanger
- 13 Central heating expansion vessel
- 14 Central heating pump
- 15 Control box
- 16 Domestic hot water expansion vessel
- 17 Domestic hot water storage tank



### ISODYN®

The ISOTWIN CONDENS uses a shift load storage principle to deliver up to 200 litres of usable domestic hot water. This is achieved by mixing water stored in the integral tank with water produced during normal domestic hot water operation. This is enough water to satisfy even the largest demands and once the tank has been depleted the ISOTWIN continues to operate in normal combi mode producing 14 l/min of hot water @ 35°C rise.



## Service for peace of mind

At Saunier Duval we are committed to giving you peace of mind and our service offer is designed to do just that.

We have an unrivalled national service network, and in the unlikely event of a problem, you can reach our call centre 7 days a week 364 days a year, with our team of highly trained service engineers on call 6 days a week throughout the year.

All this combines to ensure Saunier Duval provides the most professional, flexible and highest quality service possible to all of our customers.



## Warranty for confidence and satisfaction

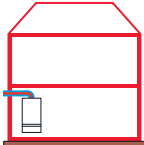
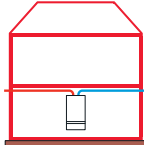
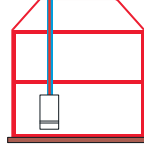
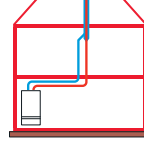
All Saunier Duval condensing boilers are supported by a 2 year parts warranty and a 1 year labour warranty to ensure your long term confidence and satisfaction. For ultimate peace of mind, you can choose one of our Extended Warranty options.

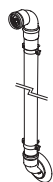
<b>Technical helpline</b>	<b>01773 828 400</b>
<b>General helpline</b>	<b>0870 606 4351</b>
<b>In-Warranty service</b>	<b>01773 525 914</b>
<b>Installer training</b>	<b>01773 596 174</b>



### Technical specifications and Flue options

ISOTWIN CONDENS technical specifications	
Model	F35E
Household suitability	Typical 4 Bedroom Detached House
Output heating 80°C / 60°C	28.0 kW
Output heating 50°C / 30°C	30.6kW
Output DHW	33.2 kW
Flow rate @ 35°C Δt	14 l/min
Useable DHW @ 40°C	200 litres
Weight	75 kg
Gas type	Nat/LPG
Min water supply pressure	0.5 bar
Max system capacity @ 75°C	240 l
SEDBUK rating	A
DIMENSIONS	
Height	890 mm
Width	700 mm
Depth	480 mm
CLEARANCES	
Top	150 mm
Bottom	200 mm
Side	50 mm
Flue Type	Fan flued
Flue Size	100 mm
Max flue length horizontal	5.0 m
Max flue length vertical	5.5 m
Max flue length twin flue	40 m

Flue options
<b>Horizontal concentric flue</b> 
<b>Horizontal twin pipe flue</b> 
<b>Vertical concentric flue</b> 
<b>Vertical twin pipe flue</b> 
For a comprehensive guide to flueing, please call 01773 596 190



### Plume Diverter Kit

The Saunier Duval Plume Diverter Kit makes siting your boiler easy by enabling you to overcome any flue termination or plumbing issues. The ISOTWIN CONDENS is fully compatible with the Plume Diverter Kit.



Water Research Council approved. British Gas Service Listed. C.E. Energy Efficiency Recommended is an Energy Saving Trust initiative backed by the government. The logo is only found on products that have been carefully selected for their energy efficiency. Buy where you see the sign and help save energy, money and the environment.

Saunier Duval pursues a policy of continuous product improvement and reserves the right to alter specification and design without prior notice.



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