

Specialist application

Suitable for SE and U Duct installations

COMBI RANGE
COMPACT 24SE - 28SE

SYSTEM RANGE
MYNUTE 24SE

APPROVED FOR
SE DUCT AND U DUCT
FLUEING APPLICATIONS

LIGHTWEIGHT AND
COMPACT DIMENSIONS



Specialist application range

Product solutions for every installation.

Specialist application range

Combi and system boilers for SE and U Duct installations

SUITABLE FOR SE
DUCT AND U
DUCT FLUEING



COMPACT
DIMENSIONS

COMPATIBLE
WITH VOKERA
'UNI-FLUE'
RANGE

Building Regulations call for high efficiency condensing boilers to be fitted during a boiler upgrade but this is not always possible, standard efficiency boilers are installed in properties where more than one unit is connected to the flueing system, such as flats and apartments where the ducting system has to be shared due to the layout of dwellings in the building.

It is estimated that around 300 000 homes in the UK have gas appliances that utilise a shared flue system, with SE duct or U duct being the most common type, and these are the typical instances where HE boilers are unlikely to be utilised.

Why are condensing high efficiency boilers not suitable for this type of installation?

There are several reasons for this – one being that the flue system and materials used during construction are not generally suitable for condense fluid, the by-product produced by condensing boilers.

Another reason is that when these systems were originally designed, the relevant calculations would have been made based on standard efficiency appliances being utilised. The flue gas temperature from an HE appliance is usually much lower than that of an SE appliance and such a difference could have an effect on how the flue system performs.

Replacing a boiler on a shared flue system

If you are looking to replace existing boilers that are connected to a shared flue system, you will need to ensure the new appliance is of the same type and input as the original appliance. For example regulation stipulates that only a 'type C2' appliance can be connected to a SE duct or U duct, which means that if you remove an old 'type C2' appliance, it needs to be replaced with a new 'type C2' appliance of the same input. There is usually no issue as to whether you replace a regular boiler with a combi.

Specialist application range

Vokèra recognised the need for a range of boilers that are certified and approved for use with Type C2, shared flue systems, for such as SE duct and U duct. The Specialist application range consists of combination, Compact SE, and system, Mynute SE, appliances.

The specialist application range are standard efficiency appliances that are to be used on applications where a condensing boiler is not suitable. Any boiler replacements that use a standard efficiency appliance must have been deemed exempt under the Building Regulations (England and Wales) and Building Standards (Scotland).

Certified and approved for use with Type C2, shared flue systems e.g SE duct and U duct.

Compact dimensions and low lift weight enables a flexible installation with the boiler being able to be sited almost anywhere in the home.

Designed for easy installation. Standard Vokèra pipe-work layout for trouble free replacement of older Vokèra models and on the Compact SE the top mounted flue turrent can be rotated 360 degrees.

Compatible with Vokèra current 'Uni-flue' range of flue accessories.

Built in SARA function for improved efficiency, anti-cycling for longer lasting component performance, frost protection and CO mode for simple servicing.

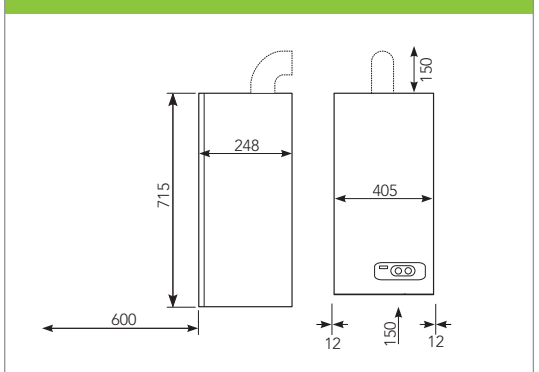
Compact SE can be connected to the Vokèra RF 24 hour clock and thermostat to allow easy control over boiler heating timings and temperatures over a 24 hour period. A 'Tyco' socket provides a simple 'plug and play' connection for the RF clock thermostat receiver.

Technical Specifications

SPECIFICATIONS	Compact 24SE	Compact 28SE	Mynute 24SE
Product order code	20022436	20022803	20030333
Central Heating			
Heat input (kW)	25.8	30.2	25.80
Maximum heat output @ 60/80 °C (kW)	23.94	28.24	23.94
Domestic Hot Water			
Maximum input	25.8	30.2	-
Flow rate 35 °C rise (l/min)	9.8	11.6	-
Weight			
Dry weight (kg)	28	41	29
Connections			
Flow & return	22mm	22mm	22mm
Gas	22mm	22mm	22mm
DHW hot & cold	15mm	15mm	-
Safety valve	15mm	15mm	15mm
Electrical			
Voltage (V/Hz)	230/50	230/50	230/50
Flue Details (concentric)			
Maximum horizontal flue length (60/100mm)	4.25m	3.40m	4.25m
Maximum vertical flue length (60/100mm)	5.25m	4.40m	5.25m
Flue Details (twin pipes)			
Maximum horizontal flue length (80mm/80mm)	16m/16m	14m/14m	16m/16m
Maximum vertical flue length (80mm/80mm)	16m/16m	14m/14m	16m/16m
Efficiency			
Efficiency* (%)	81.1	81.4	81.1
NOx class	3	3	3

*SEDBUK 2005 **From casing or 25mm above flue elbow (whichever is applicable)

DIMENSIONS AND CLEARANCES (MM)

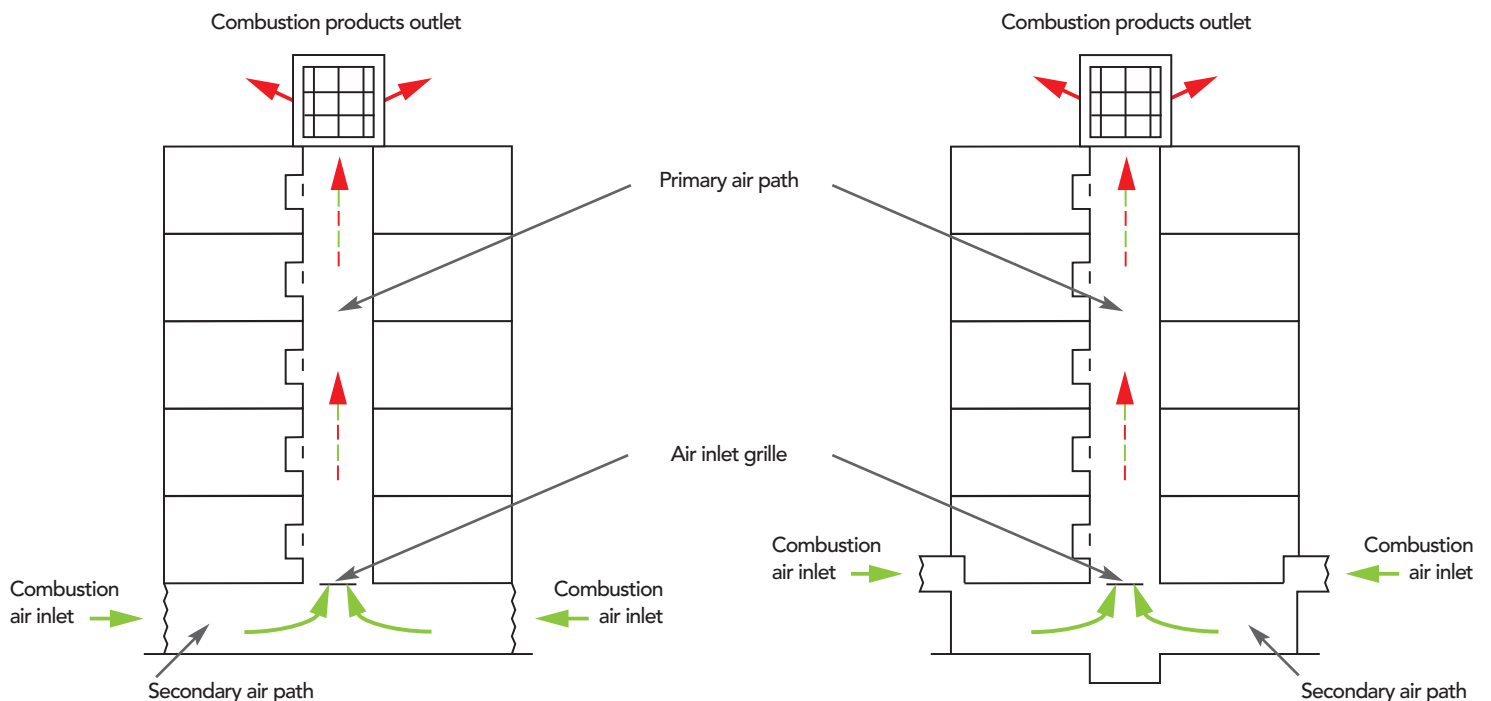


ENERGY SAVING CONTROLS AND OPTIONS

Description	Code
RF wireless combined room thermostat and 24 hr clock*	20029494
Spacing frame	20030704
Telescopic horizontal flue	2359119
Vertical flue terminal	2359039
45° bend (pair)	2359049
90° bend	2359059
0.75m extension	2359069
1.5m extension	2350079
telescopic extension	2359089

*Compact SE only

Installation examples



SE-DUCT WITH AIR DRAWN FROM A POINT OF NEUTRAL PRESSURE

SE-DUCT WITH CROSS DUCTS



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E&OE

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