



Mistral
OIL-FIRED BOILERS YOU'LL WARM TO



High efficiency condensing oil-fired boilers.

Combi Boilers	15 - 41kw
Mega Combi	41 - 68kw
Sealed System	15 - 41kw
Kitchen / Utility	15 - 68kw
Boiler House	15 - 68kw
Outdoor Combi	15 - 41kw
Outdoor Mega Combi	41 - 68kw
Outdoor Sealed System	15 - 41kw
Outdoor Standard	15 - 68kw
Non Condensing Range	15 - 68kw

THE
FUTURE
 -OF-
 OIL-FIRED
 BOILERS

A warm welcome to one of Britains most advanced and comprehensive ranges of condensing and non condensing oil-fired appliances.

A Warm Welcome Next Oil-Fired



Standard Combi



Powerful combination boilers 15 - 41 kw (50 - 140,000 btu). Compact and stylish range, producing highly efficient heating and hot water on demand. Unique immersion back up on combi Plus models.

Sealed System



A standard Kitchen Utility boiler upgraded to include pump, auto air vent and sealed system kit.

Outdoor



Full range of weather resistant, self contained boilers, available as standard, sealed system, and combi. Range from 15 - 68 kw (50 - 232,000btu).

Non

The full range of Mistral internal System and Combi boilers 15 - 68 kw condensing standard efficiency models with 4 port option.



Mistral have been producing oil - fired boilers for over 40 years in the UK. and utilise some of the most technically advanced robotics / equipment, to ensure that we deliver to you, our customer, the very finest product, incorporating cutting edge design. We have the largest range of combi and outdoor models available, with some unique features, such as Y section inners for maximum efficiency, and Immersion heater back - up facility on COMBI PLUS models.

to the Generation -of- Boilers



Mega Combi



Ideal for larger installations 41 - 68 kw (140 - 232,000btu), with flow rates from 25 - 35 litres per minute.

Kitchen / Utility



A quality range of boilers from 15 - 68 kw (50 - 232,000 btu). Models 15 - 41 kw (50 - 140,000 btu) fit neatly under a standard kitchen work surface.

Condensing

and external Utility, 68kw are available as non models with either a 2 or

Boiler House



A range of highly efficient boilers, suitable for installations such as a garage, outhouse or boiler room.

This complete range of NEW products are the result of years of intensive research, development, and continuous testing to ensure these products are of the highest quality and efficiency. Our innovative new Y section inner waterway, has been designed specifically to achieve the best heat transfer result, coupled with a reduced internal boiler pressure, resulting in a cleaner start up. These new heat exchanger inners have also been upgraded to 5mm thick to give a better life span.

The Mistral Com



Standard Combi

A Mistral combination boiler provides full heating, as well as instant hot water.

- Standard Combi Models CC1, CC2, CC3, CC4
15 - 41kw (50 - 140,000btu)
- Mega Combi Models CMC5, CMC6, CMC7
41 - 68kw (140 - 232,000btu)
- Available as non condensing
- Front servicing
- Multi directional flue outlet (Mega model, RH exit to special order)
- Fits beneath standard kitchen work surface (Excluding Mega Models)
- Conventional and balanced flue options
- High quality casings

Combi Plus

The Mistral Combi Plus models have the unique facility of having an electric immersion heater installed in the boilers heat store and are supplied with a 2 channel 7 day programmer. In the event of a burner failure or an oil supply issue this provides an emergency back up supply of domestic hot water. The Mistral Combi Plus option is available on all Combi models. To order, add PLUS to the selected Combi model code.

Combination Range



Mega Combi

The Mistral Mega Combi are the largest available of their kind in the UK, with outputs up to 68kw. (232,000 btu). These are intended for larger properties such as country houses and barn conversions, swimming pools, or industrial units, where there is the need for a family to have a more commercial amount of heating and hot water available. For the convenience of installation, these units are supplied in two parts.

CONDENSING COMBI

Model	CC1	CC2	CC3	CC4	CMC5	CMC6	CMC7
KW	15 - 20	20 - 26	26 - 35	35 - 41	41 - 50	50 - 58	58 - 68
BTU	50 - 70,000	70 - 90,000	90 - 120,000	120-140,000	140-170,000	170-200,000	200-232,000
Flow Rates	17.5	17.5	17.5	17.5	27	27	27
@35 rise	130 lts	160 lts	240 lts	500 lts			
@40 rise				200 lts	230 lts	350 lts	600 lts
Dims	H865mm x W600mm x D600mm				H1230mm x W1000mm x D755mm		
WGT - KGS	190	190	190	190	390	390	390

NON CONDENSING

Model	C1	C2	C3	C4	MC5	MC6	MC7
WGT - KGS	175	175	175	175	375	375	375

*Tests carried out at Mistral Boilers relating to performance are for guidance only and are not a guarantee, as local conditions, stat settings, the set up and commissioning of the appliance can all have a varying effect on the boilers overall performance.

Sealed System Range



The Sealed System boilers are supplied with a 12 litre expansion vessel, pressure gauge, safety valve and automatic air vent. A circulating pump is also included in the boiler package which can be fitted within the boiler or remotely as required.

- Models CS1, CS2, CS3, CS4. 15 - 41kw (50 - 140,000 btu)
- Available as non condensing units
- Front servicing
- Multi directional flue outlets
- Fits beneath standard kitchen work surface
- Conventional and balanced flue options
- High quality casings

CONDENSING

Model	CS1	CS2	CS3	CS4
KW	15 - 20	20 - 26	26 - 35	35 - 41
BTU	50 - 70,000	70 - 90,000	90 - 120,000	120 - 140,000
H	865	865	865	865
W	495	495	495	495
D	600	600	600	600
WGT - KGS	145	145	145	145

NON CONDENSING

Model	S1	S2	S3	S4
WGT - KGS	130	130	130	130

Kitchen / Utility Range



Kitchen / Utility Range

This stylish range of boilers are suited for either kitchen or utility applications. They are extremely quiet in operation, and the front access makes for easier servicing.

- Models CKUT1, CKUT2, CKUT3, CKUT4, CKUT5, CKUT6, CKUT7
- Output from 15 - 68kw (50 - 232,000 btu)
- Fits beneath standard kitchen work surface 15 - 41 kw. (50 - 140,000 btu)
- Available as non condensing
- Front Servicing
- Multi directional flue outlets
- Conventional and balanced flue options
- High quality casings
- Suitable for sealed systems

CONDENSING

Model	CKUT1	CKUT2	CKUT3	CKUT4	CKUT5	CKUT6	CKUT7
KW	15 - 20	20 - 26	26 - 35	35 - 41	41 - 50	50 - 58	58 - 68
BTU	50 - 70,000	70 - 90,000	90 - 120,000	120 - 140,000	140 - 170,000	170 - 200,000	200 - 232,000
H	865	865	865	865	1230	1230	1230
W	495	495	495	495	500	500	500
D	600	600	600	600	755	755	755
WGT - KGS	140	140	140	140	250	250	250

NON CONDENSING

Model	KUT1	KUT2	KUT3	KUT4	KUT5	KUT6	KUT7
WGT - KGS	125	125	125	125	235	235	235

The Mistral Outdoor range is the largest available in the UK, and has grown consistently in popularity over the last 5 years.

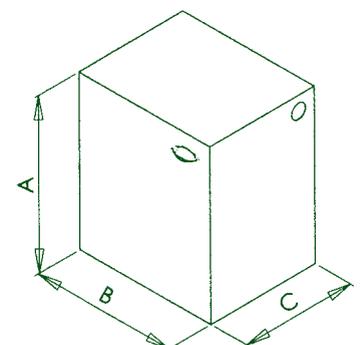
This is the ideal solution for those applications where space is at a premium.

All models are self contained weather resistant units, which are pre-treated, zinc phosphated for corrosion protection, then polyester coated in a durable green texture, allowing them to blend naturally with their external surroundings.

The outdoor cabinets have multiple access points for pipe work and electrical connections. The units are supplied complete with a multi directional flue and terminal guard and have a double lockable front access door.

- All boilers in the Mistral range are available as outdoor models
- Available as non condensing units
- Front servicing
- Free up space within the property
- No oil line entering building
- Easy outdoor access for servicing
- Double locked front door
- Frost stat supplied (except combi)
- No external fixings
- Stylish and practical casing - easy on the eye
- Multi directional flue outlet (Mega model, RH exit to special order)

Dimensions	A	B	C
Models 15 - 41kw	895	770	680
Standard 41 - 68kw	1245	650	775
Mega Combi 41 - 68kw	1245	1300	775



Outdoor Range

Standard Outdoor

Range: 15 - 68kw (50 - 232,000btu)
Models: COD1, COD2, COD3, COD4,
COD5, COD6, COD7.



Sealed System Outdoor

Range: 15 - 41kw (50 - 140,000btu)
Models: CODSSI, CODSS2, CODSS3,
CODSS4.



Combi Outdoor

Range: 15 - 41kw (50 - 140,000btu)
Models: CODC1, CODC2, CODC3,
CODC4



Mega Combi Outdoor

Range: 41 - 68kw (140 - 232,000btu)
Models: CODMC5, CODMC6, CODMC7.



Combi Plus Outdoor

Range: 15 - 68kw
Add PLUS to the above codes.



Boiler House Range



Boiler House Range

The Boiler House range is built to the same specification as the popular Kitchen/Utility models but is supplied in a dark coloured casing

- Models CBH1, CBH2, CBH3, CBH4, CBH5, CBH6, CBH7,
- Output from 15 - 68kw (50 - 232,000 btu)
- Performance based on Kitchen / Utility range models
- Available as non condensing
- Front servicing
- Multi directional flue outlet
- Conventional and balanced flue options
- High quality casings

CONDENSING

Model	CBH1	CBH2	CBH3	CBH4	CBH5	CBH6	CBH7
KW	15 - 20	20 - 26	26 - 35	35 - 41	41 - 50	50 - 58	58 - 68
BTU	50 - 70,000	70 - 90,000	90 - 120,000	120-140,000	140-170,000	170-200,000	200-232,000
H	865	865	865	865	1230	1230	1230
W	495	495	495	495	500	500	500
D	600	600	600	600	755	755	755
WGT - KGS	140	140	140	140	250	250	250

NON CONDENSING

Model	BH1	BH2	BH3	BH4	BH5	BH6	BH7
WGT - KGS	125	125	125	125	235	235	235

NON CONDENSING STANDARD EFFICIENCY BOILERS



Mistral manufacture a full range of internal and external non condensing utility, system and combi oil boilers with outputs from 15 - 68KW (50 - 232,000BTU).

To ensure optimum efficiency the Mistral Non Condensing Sedbuk C rated range is assembled with the centrally located 'Y' section waterway heat exchanger. With the exception of the top mounted condensing unit all other components used are identical to the parts used to build the high efficiency condensing models. To facilitate low level flue options a spacer is available to fill the condensing unit void.

Non condensing models can be supplied with either 2 or 4 port outlet options making the boilers a cost effective and practical solution for retrofit applications where it is not possible or practical to fit a condensing boiler.

-  All Mistral Boiler models are available as non condensing
-  Output ranges from 15 - 68kw (50 - 232,000btu)
-  Ideal replacement for old cast iron sectional boilers
-  2 or 4 port outlet options available on all models
-  Practical for commercial and tandem boiler applications
-  Suitable for conventional or balanced flue installation
-  Multi directional flue option and pre punched pipe access points

For sizes and weights please see the specification tables as listed for the applicable condensing model.



The Mistral Kwic Loc B

The Mistral KWIC - LOC balanced flue systems have been developed to provide for both fixed and individual flue design options. Utilizing the 'O' ring seal and clip fixing system, allows all parts to be quickly assembled. Manufactured from high grade stainless steel the KWIC - LOC system and accessories are for balanced or conventional flue applications.

- Suitable for condensing and non condensing applications
- All flues are multi directional. Low Level flues are concealed within the boiler casing, improving cosmetic appearance and helping to retain efficiency
- Vertical, High & Low Level Flue Kit Options, available with a full range of accessories including extensions, elbows, flashings and adapters
- Fixed and adjustable extensions provide for variable flue length requirements

KWIC - LOC flue is available in 2 sizes to suit boilers 15 - 41kw and 41 - 68kw.

Part Numbers 1541 = Boilers 15 - 41kw (50 - 140,000btu) Flue OD Dia 120mm.

Part Numbers 4168 = Boilers 41 - 68kw (140 - 232,000btu) Flue OD Dia 150mm.

Low Level, Vertical and High Level Kit options are supplied with the flue parts as illustrated, complete with burner air hose & clips, seals, lubricant, boiler gasket, terminal guard, fixings and screws as applicable for the kit.

Plume elbow options are available that permit low level and outdoor model flues to be converted into the vertical position. This allows nuisance plumbing to be diverted away from windows or other obstructions. When a plume elbow is fitted, accessories from the vertical/high level flue range are used to complete the system.

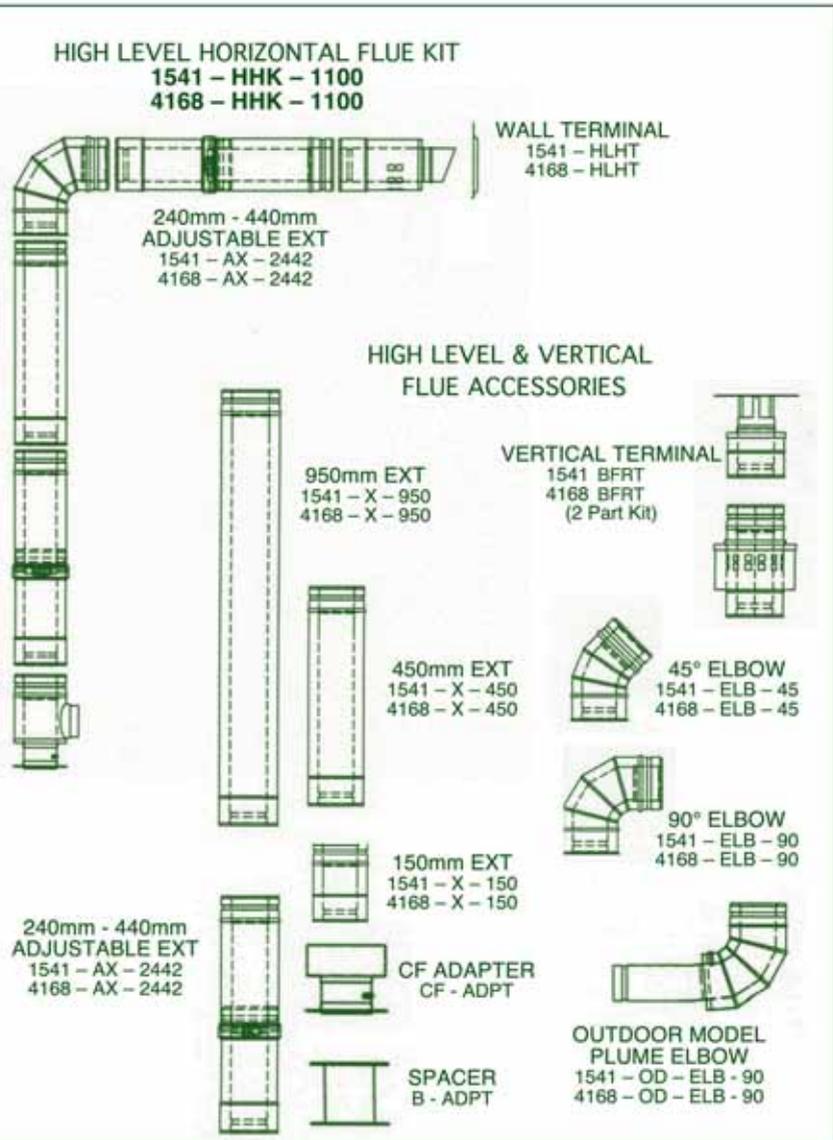
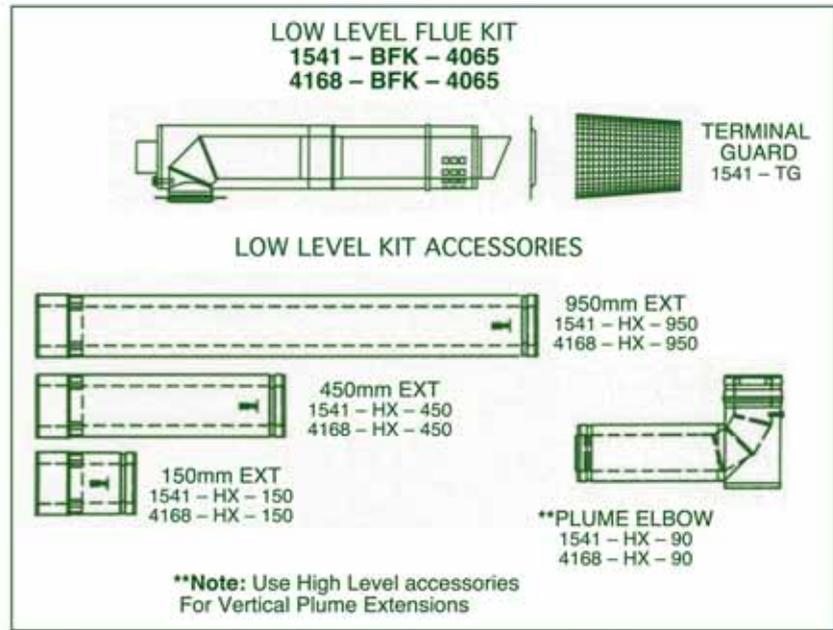
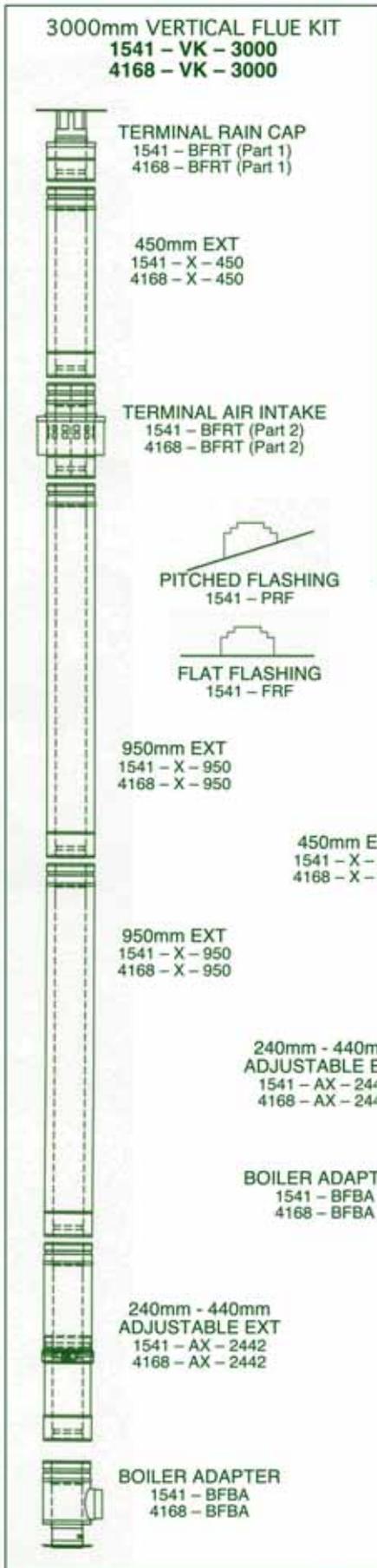
Low level kit extensions (i.e. 1541 - HX - parts) can only be used with low level flue systems and these parts are not compatible for use with vertical and high level accessories (i.e. 1541 - X - parts).

Local conditions, flue position and overall flue length can have an adverse effect on the boiler performance. The boiler may require further adjustment to suit the site conditions.

For further information and advice on the Mistral KWIC - LOC flue systems please do not hesitate to contact our sales / technical office.



anced Flue System



Mistral manufacture a comprehensive range of Sedbuk A rated, high efficiency oil boilers for domestic and industrial heating applications. Culminating from years of boiler manufacturing experience, ongoing development and our wealth of technical knowledge the specially developed Mistral 'Y' Section heat exchangers are fitted to all Mistral condensing and non condensing boilers providing much improved performance and operating efficiency.

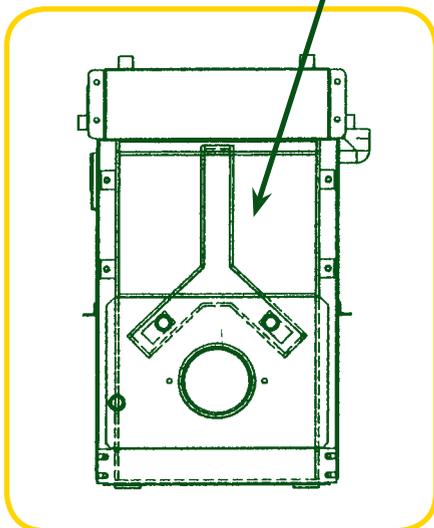
The unique 'Y' section centrally located waterway design allows excellent heat transfer to take place, particularly in the lower combustion chamber. This greatly reduces the pressure build up normally associated with conventionally manufactured boiler types. The 'Y' section design allows baffles to be a more open tolerance, providing for better overall running performance, smoother start ups and cleaner combustion.

Baffles fitted to non central waterway heat exchangers, normally have to be extremely tight to attain required efficiencies, which can cause pressure build up and increased soot deposit in the boiler.

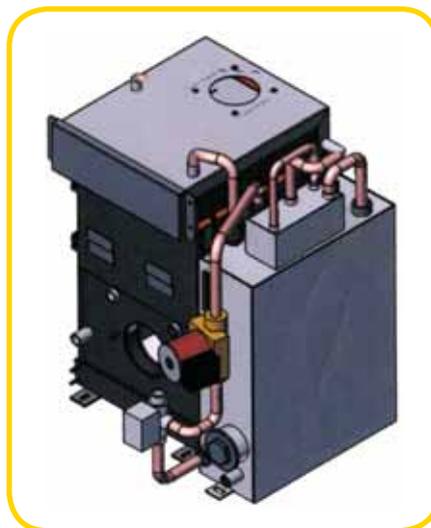
The additional surface heat transfer area created within the boiler by the 'Y' section heat exchanger also allows Mistral to manufacture high KW output boilers within typical domestic appliance size enclosures.

Mistral Boilers Limited are committed to offering the most technically advanced and extensive range of domestic oil boilers available.

INNER Y



COMBI



WARRANTY

Heat Exchanger - 5 Years • Burner & Controls - 2 Years
(Terms and Conditions Apply).

Safety

Please note that the products are extremely heavy and great care should be taken when moving appliances around. Specialist equipment should be used where possible, a full risk assessment and a plan of action should be undertaken, prior to purchase to avoid any injury.

We would like to thank you for taking the time to read through our product catalogue and hope you have found something which meets your requirements. Mistral are one of the longest standing manufacturers of oil fired boilers and associated products in the UK.

It is our Company policy to create continual improvement, and as such, are always open to new ideas. We also strive to source and purchase all our materials from the UK, wherever possible.

If you require any more advice or guidance on any of our products, please feel free to contact our customer service department.



Complies with the EC low voltage and electromagnetic compatibility and efficiency directives.



With high efficiencies and low emissions the Mistral range of oil fired boilers are environmentally friendly and as a result economical to run.



Registered equipment group member of the oil firing technical association for the petroleum industry.



**British Made
Quality
Products**



All our manufacturing is carried out under a stringent quality control system to ISO9001 and monitored by the British Standards Institute.

Our sales / technical / customer service departments will be pleased to assist and advise on all our products and associated components.

Tel: 01952 270082

Fax: 01952 270086

mistralboilers@aol.com

www.mistralboilers.com



Mistral Boilers Ltd, Unit C4, Halesfield 23,

Telford, Shropshire TF7 4NY

Mistral boilers maintain a policy of continuous product improvement and in order to stay at the forefront of boiler technology reserves the right to alter specifications without notice. The statutory rights of the consumer are not affected. All information correct at time of going to press. Terms & Conditions of Warranty are available on request.