

TTW-TTB

Flue Assemblies and Ancillaries

For use with Models:

TTB410

TTB580

TTW410

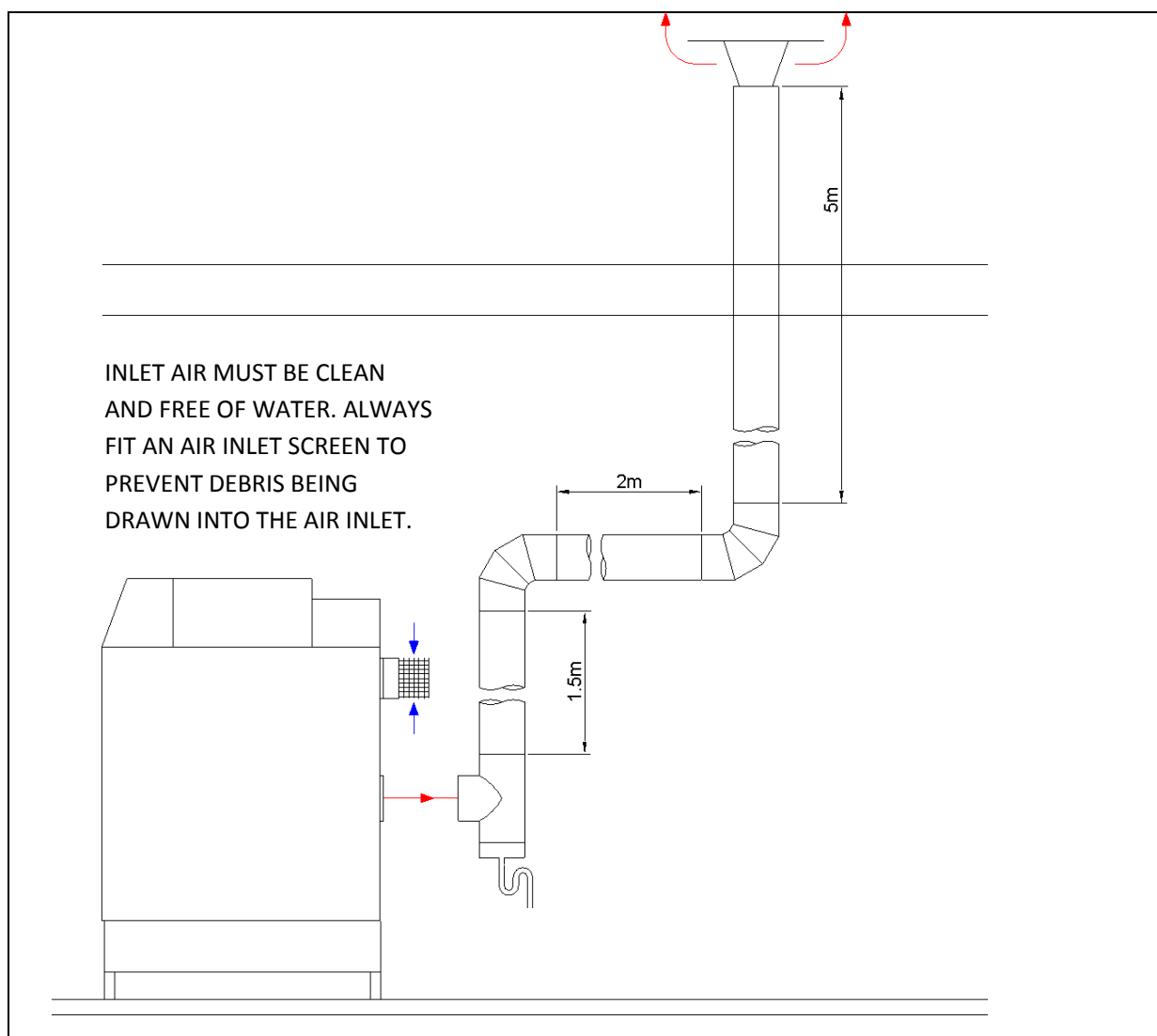
TTW580



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Maximum flue length calculation –Resistance within the flue must be less than 200Pa



Boiler type:			TTB410		
Flue gas	Diameter: 180 mm.		Number	Pa	Pa total
	Straight tube	m ¹ total	8,5	3,0	25,5
	T-piece	outlet	1	25,5	25,5
	Bend	90°	2	9,9	19,8
	Flue outlet	Zeta=1,0	1	28,3	28,3
	Total resistance flue gas outlet:				99,1
Air supply	Diameter: 180 mm.		Number	Pa	Pa total
	Air inlet	Zeta=1,3	1	27,7	27,7
	Total resistance air supply:				27,7
Total resistance flue gas outlet and air supply:					126,8 Pa

The total resistance is less than 200 Pa, so this is acceptable.

CONVENTIONAL FLUE ASSEMBLY MODELS

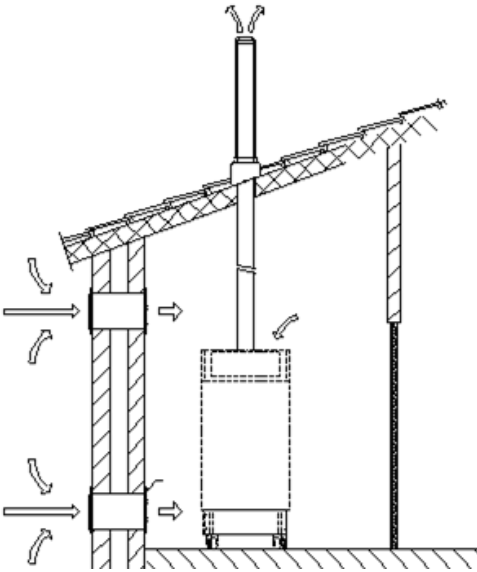
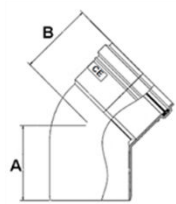
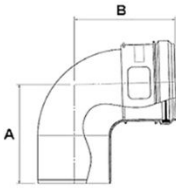
TTW410,TTW580

COMPONENTS REQUIRED TO START INSTALLATION

VERTICAL FLUE

M70439	VERTICAL TERMINAL Ø200mm	1
LE400093	ECCENTRIC INCREASER Ø180mm - Ø200mm FOR EXHAUST	1
LE400094	AIR INLET SCREEN Ø160mm SS	1

Maximum equivalent flue length -see page 3

		A=111mm,B=131mm
		A=227mm,B=195mm

Additional Flue Ancillary Items

Item No.	Description	Dimensions
LV310696	EXTENSION Ø200mm PP	500mm
M70402	EXTENSION Ø200mm PP	1000mm
M70404	EXTENSION Ø200mm PP	2000mm
M70411	ELBOW 90° Ø200mm PP	See above
M70412	BEND 45° Ø200mm PP	See above
LV310677	T PIECE WITH CONDENSATE CONNECTOR Ø200mm PP	n/a
M87198	WALL CLAMP Ø200mm	n/a

For further information, see Installation manual available at www.lochinvar.ltd.uk

CONVENTIONAL FLUE ASSEMBLY MODELS

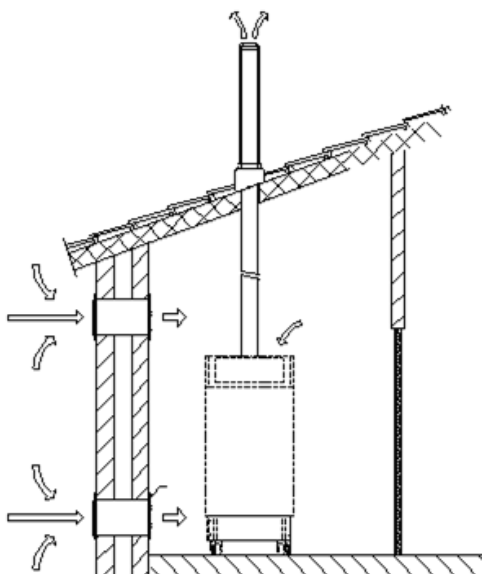
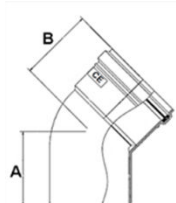
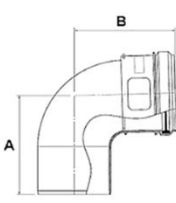
TTB410,TTB580

COMPONENTS REQUIRED TO START INSTALLATION

VERTICAL FLUE

M70439B	VERTICAL TERMINAL Ø200mm	1
LE400093B	ECCENTRIC INCREASER Ø180mm - Ø200mm FOR EXHAUST	1
LE400094B	AIR INLET SCREEN Ø160mm SS	1

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TWIN-PIPE FLUE ASSEMBLY MODELS

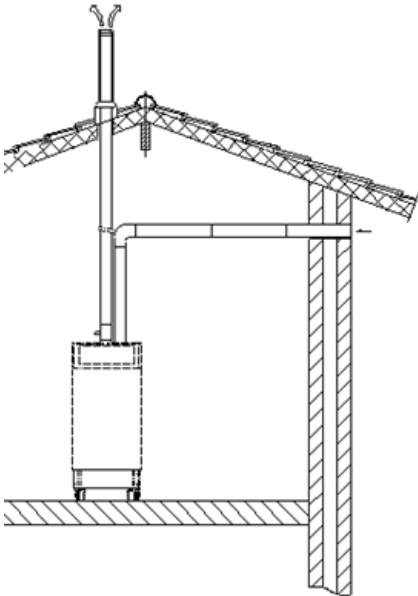
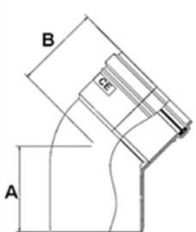
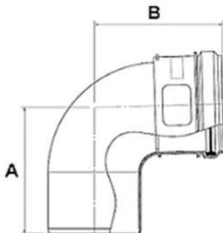
TTW410,TTW580

COMPONENTS REQUIRED TO START INSTALLATION

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LE400092	INCREASER Ø180mm TO Ø200mm FOR AIR INLET ONLY	1
LE400093	ECCENTRIC INCREASER Ø180mm - Ø200mm FOR EXHAUST	1
LE400096	VERTICAL TERMINAL Ø200mm (AIR INLET) - PP	1

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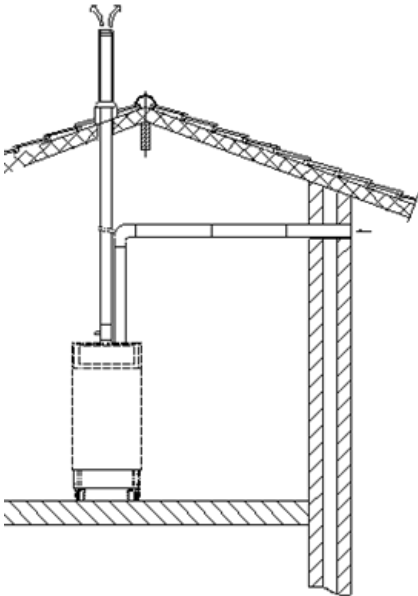
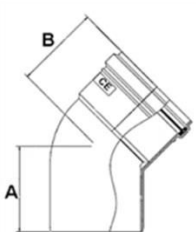
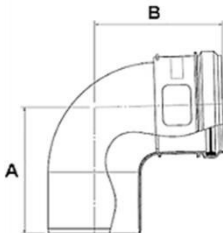
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IMPORTANT INFORMATION

These instructions must be read and understood before installing, commissioning, operating or maintaining the equipment.

