No :	P500-9
Issue Date :	JULY 2002

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Advanced boiler technology

TECHNICAL SPECIFICATION SHEET

MODEL : P500 **No of SECTIONS : 9**

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	635	**Efficiency % GCV :**	83
Weight (dry) kgs :	2650	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x1660		
Radiated Losses % :	0.45		

BURNER TYPE	**Pressure Jet**

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	72.91	58	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS	Based @ **10°C Δt** (unless qualified)

Water Content ltrs :	495	**Min Return Temp °C**	45
Resistance mbar :	149	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	13.80	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	2.53 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	**Flue Gas Vol Cu M/h :**	736
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	1102
Chamber Resist. mbar :	1.7		

ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	10
		Run Current amps :	2.5
		Start Current amps :	15

CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-10
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 10

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	750	**Efficiency % GCV :**	83
Weight (dry) kgs :	2910	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x1810		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	86.12	69	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	550	**Min Return Temp °C**	45
Resistance mbar :	166	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	16.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	2.99 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	400	**Flue Gas Vol Cu M/h :**	869
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	1302
Chamber Resist. mbar :	2.3		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	10
		Run Current amps :	2.5
		Start Current amps :	15
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-11
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 11

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	865	**Efficiency % GCV :**	83
Weight (dry) kgs :	3175	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x1965		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	99.32	79	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	605	**Min Return Temp °C**	45
Resistance mbar :	180	**Connection Size mm :**	150 - PN16
Nom Flow Rate l/s :	20.7	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	110
Min Flow Rate l/s :	3.45 #	**(High Limit Set Point)**	
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	400	**Flue Gas Vol Cu M/h :**	1002
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	1502
Chamber Resist. mbar :	3		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	15
		Run Current amps :	4.6
		Start Current amps :	25
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-12
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 12

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	980	**Efficiency % GCV :**	83
Weight (dry) kgs :	3435	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2115		
Radiated Losses % :	0.45		

BURNER TYPE	**Pressure Jet**

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	112.53	90	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS	Based @ **10°C Δt** (unless qualified)

Water Content Itrs :	660	**Min Return Temp °C**	45
Resistance mbar :	194	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	21.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	3.9 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	**Flue Gas Vol Cu M/h :**	1136
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	1702
Chamber Resist. mbar :	3.8		

ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-13
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500 **No of SECTIONS : 13**

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1095	**Efficiency % GCV :**	83
Weight (dry) kgs :	3695	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2265		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	125.74	101	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	715	**Min Return Temp °C**	45
Resistance mbar :	189	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	23.80	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	4.36 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1269
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	1901
Chamber Resist. mbar :	3.9		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	15
		Run Current amps :	4.6
		Start Current amps :	25
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-14
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 14

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1210	**Efficiency % GCV :**	83
Weight (dry) kgs :	3955	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2415		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	138.38	111	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	770	**Min Return Temp °C**	45
Resistance mbar :	200	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	26.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	4.82 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1397
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	2081
Chamber Resist. mbar :	4.8		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	15
		Run Current amps :	4.6
		Start Current amps :	25
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-15
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 15

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1325	**Efficiency % GCV :**	83
Weight (dry) kgs :	4220	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2565		
Radiated Losses % :	0.45		

BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	151.59	121	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	825	**Min Return Temp °C**	45
Resistance mbar :	213	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	28.80	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	5.39 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1530
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	2292
Chamber Resist. mbar :	5		

ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-16
Issue Date :	JULY 2002

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Advanced boiler technology

TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 16

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1440	**Efficiency % GCV :**	83
Weight (dry) kgs :	4480	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2715		
Radiated Losses % :	0.45		

BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	164.33	131	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content Itrs :	880	**Min Return Temp °C**	45
Resistance mbar :	234	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	31.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	5.74 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1658
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	2485
Chamber Resist. mbar :	5.9		

ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	20
		Run Current amps :	6.1
		Start Current amps :	35

CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-17
Issue Date :	JULY 2002

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Advanced boiler technology

TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 17

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1555	**Efficiency % GCV :**	83
Weight (dry) kgs :	4740	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2870		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	177.44	142	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content Itrs :	935	**Min Return Temp °C**	45
Resistance mbar :	262	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	33.80	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	6.2 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1719
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	2683
Chamber Resist. mbar :	5.5		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	20
		Run Current amps :	6.1
		Start Current amps :	35
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-18
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 18

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1670	**Efficiency % GCV :**	83
Weight (dry) kgs :	5005	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x3020		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas – Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	190.56	152	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	990	**Min Return Temp °C**	45
Resistance mbar :	295	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	36.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	6.65 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	1923
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	2882
Chamber Resist. mbar :	6		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	25
		Run Current amps :	8
		Start Current amps :	45
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-19
Issue Date :	JULY 2002

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TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 19

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1785	**Efficiency % GCV :**	83
Weight (dry) kgs :	5265	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x2770		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/h :	203.67	163	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content ltrs :	1045	**Min Return Temp °C**	45
Resistance mbar :	337	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	38.80	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	7.11 #	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	2055
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	3080
Chamber Resist. mbar :	6.5		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating amps :**	25
		Run Current amps :	8
		Start Current amps :	45
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-20
Issue Date :	JULY 2002

broag - remeha
Advanced boiler technology

TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 20

General Details
Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.
Powder coated enamel steel casing c/w glass fibre insulation.Supplied broken down for delivery.
Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1900	**Efficiency % GCV :**	83
Weight (dry) kgs :	5525	**Casing Colour BS No.**	RAL2002
Overall Dim WxHxD mm :	1300x1670x3320		
Radiated Losses % :	0.45		
BURNER TYPE	**Pressure Jet**		
Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M^3/hr:	216.78	173	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		
HYDRAULICS	Based @ **10°C Δt** (unless qualified)		
Water Content Itrs :	1100	**Min Return Temp °C**	45
Resistance mbar :	382	**Connection Size mm :**	150 - PN16
Nom Flow Rate @ 11 ^{0}C Δt l/s :	41.30	**Std Operating Temp °C :**	80
Shunt Flow Rate l/s :	30% of Nom flow	**Max Operating Temp °C :**	95
Min Flow Rate l/s :	7.57#	**High Limit Set Point °C :**	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE	To be manufactured and installed in accordance with BS 6644		
Diameter mm :	500	**Flue Gas Vol Cu M/h :**	2188
Flue Type :	Conventional	**Flue Gas Flow kgs/hr :**	3278
Chamber Resist. mbar :	7		
ELECTRICAL	**Boiler**		**Burner**
Voltage :	230.1.50	**Voltage :**	415.3.50
Fuse rating amps :	6	**Fuse rating :**	25
		Run Current amps :	8
		Start Current amps :	45
CONTROL OPERATION			
Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts