



Hunt Heating.  
**The smart choice.**

**30**  
YEARS  
1982 - 2012





Hunt Heating was established in 1982, Australian owned the company has continued to invest and secure well established long term partnerships with major manufacturers throughout Europe, supplying some exclusive leading Hydronic Heating brands, providing the Australian market with innovative energy efficient hydronic heating solutions and presenting “Comfort in Efficiency”.

**30**  
YEARS  
1982 - 2012

Hunt Heating remain one of Australia's leading suppliers of hydronic products and solutions. With our quality components and expertise, first class product management combined with a dedicated comprehensive Customer Service department Hunt Heating

can assure you and your customers total peace of mind when selecting one of our many system solutions. You are guaranteed a hydronic system that will provide many years of continuous comfort economically, silently and most importantly reducing the carbon footprint of your home.

The versatile intelligent boiler range with a green heart.

The Murelle MGP HE range is the most versatile and intelligent collection of boilers ever produced by Italian manufacturer Sime SpA.

AGA approved 35, 50 and 110Kw enables variants of power, ranging from 35Kw – 1320Kw, internal and external cascade module kits inclusive.



Completely compatible with renewable technologies and optional weather compensation controls, Murelle MGP HE is also Sime's

most environmentally-friendly range yet, achieving over 97% efficiency.

#### Energy efficiency and environmental protection

The innovation of Murelle EV HE range incorporates a new exchanger that achieves a modulation range from 1:5.

Furthermore Murelle EV HE pays particular attention to environmental protection with the adoption of a sophisticated pre-mix system, in which air and gases are mixed in a special collector. Together with a constant temperature monitoring this ensures the boiler output is always perfectly matched to demand and also ensures the highest operating efficiency at all times reducing pollutant emissions (CO and NOx).



Thanks to these solutions NOx emissions of Murelle EV HE are about 30 mg/kWh, less than half of the more restrictive rules of Class 5 UNI EN 297 and 483.

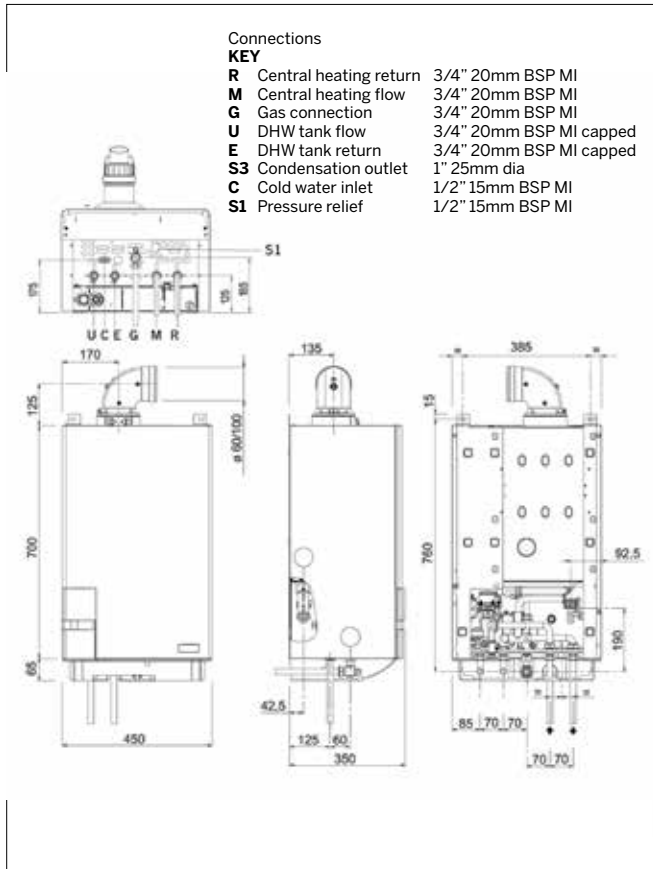
#### Murelle controls



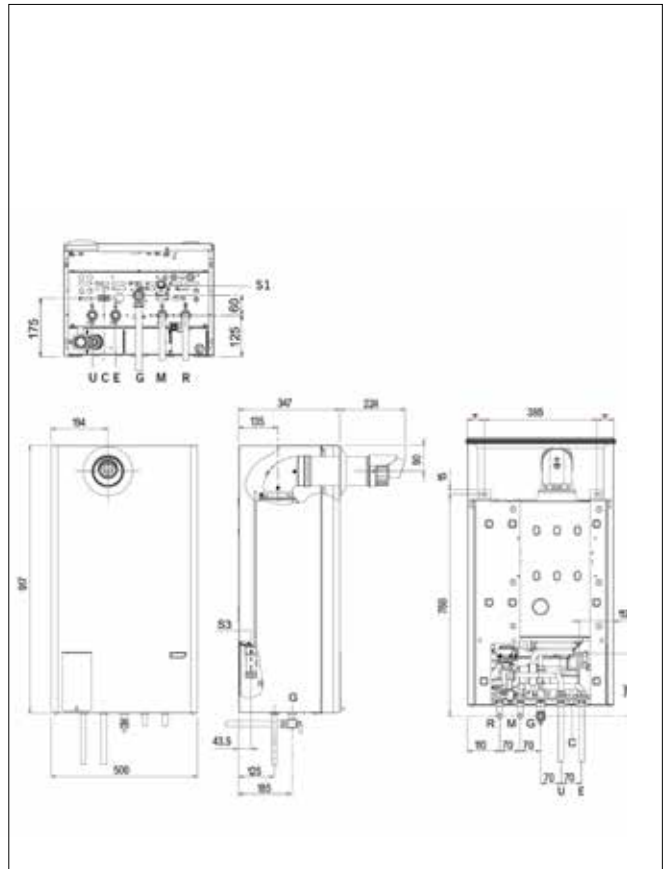
For total control at your fingertips, the remote controllers CR 53 and CR 73 are multifunctional devices managing time and thermoregulation delivering comfort with efficiency and optimising integration with the Murelle EV HE Range. CR 53 allows a constant display of time and temperature managing the comfort of your environment.

The CR 73 allows a constant display of the room temperature, the time, the hourly programming, operation mode and the status of the burner operation.

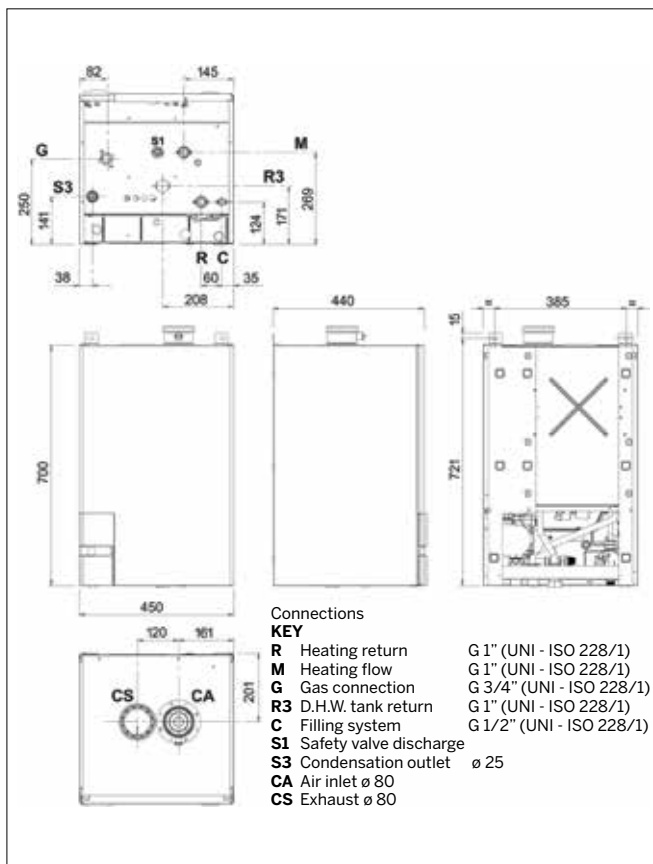
MGP I-HE 35 MF – Boiler



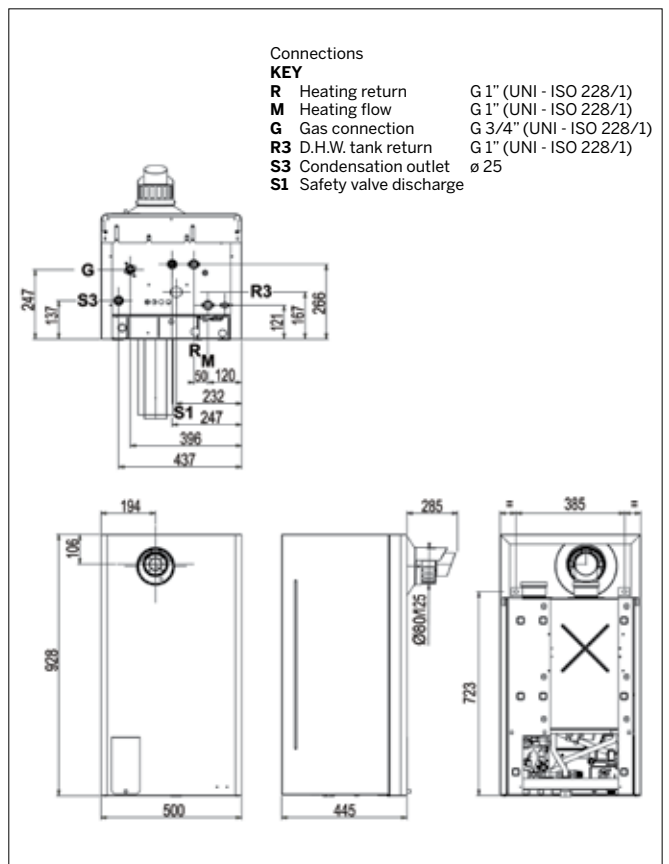
MGP E-HE 35 MF – Boiler



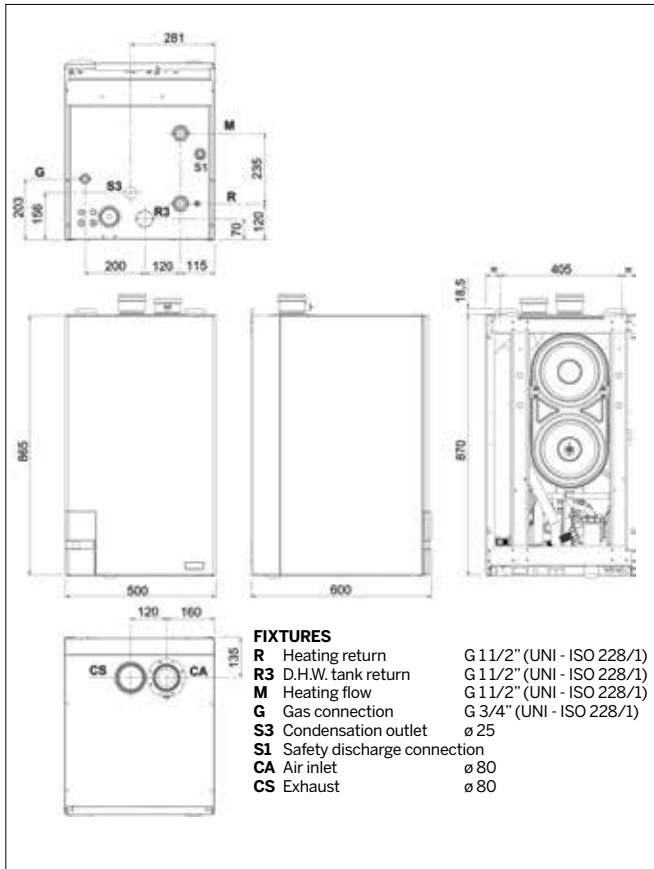
MGP 50 HE-I – Boiler



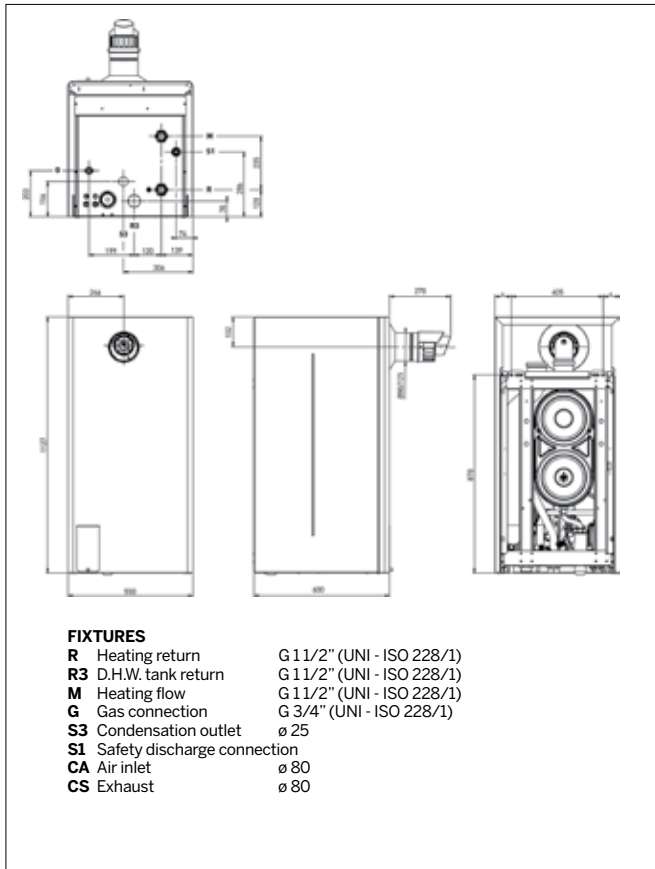
MGP 50 HE-IE – Boiler



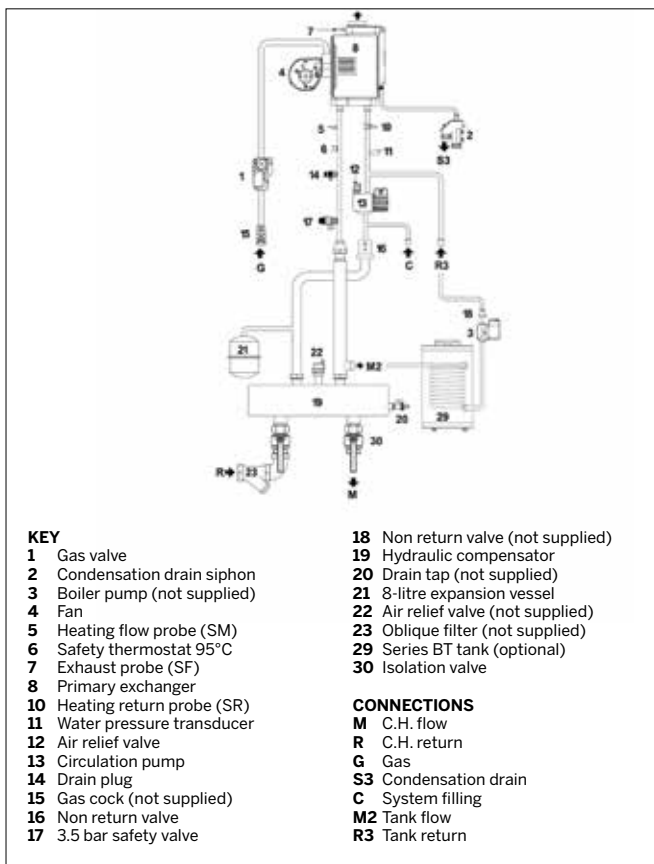
MGP 110 HE I – Boiler



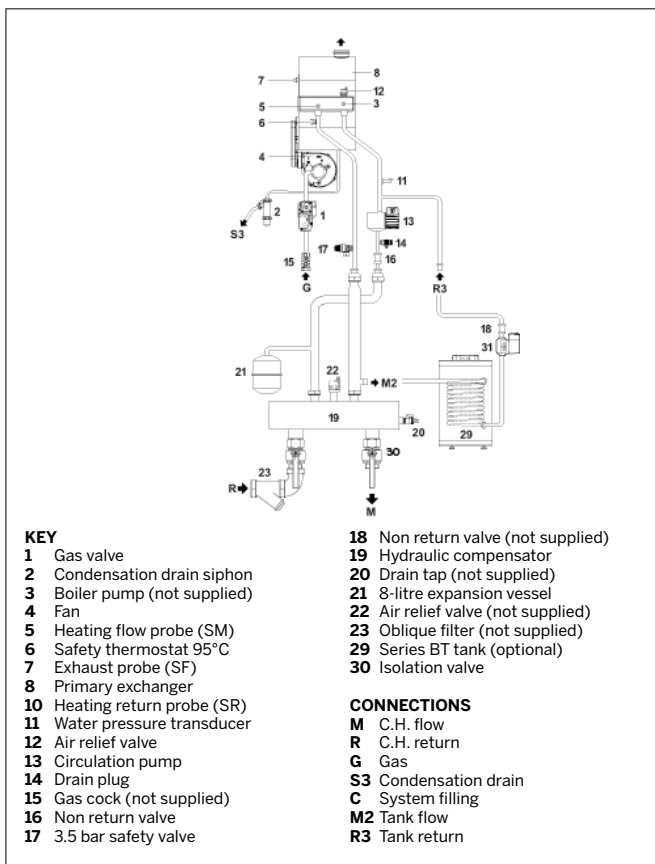
MGP 110 HE E – Boiler



MGP 50 HE

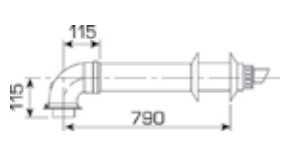
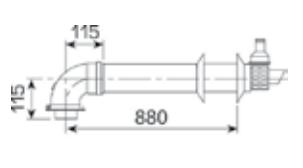
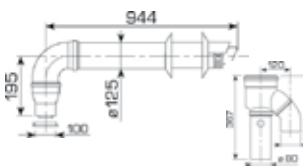
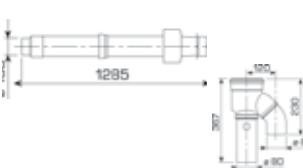
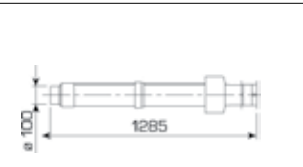
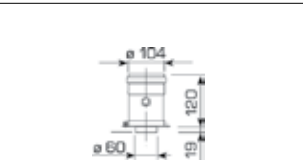
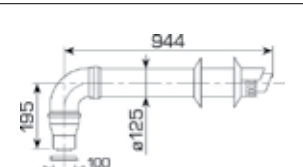
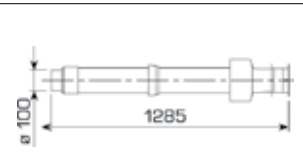
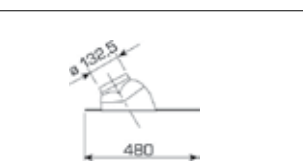
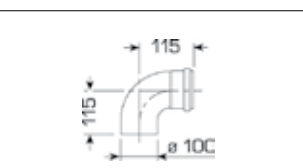
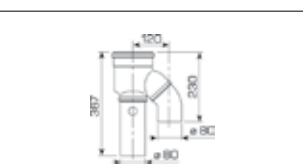
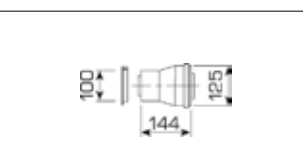
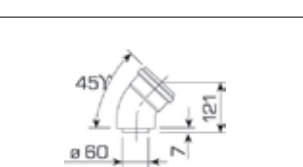

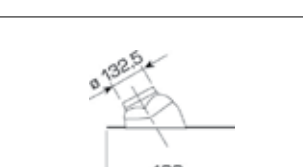
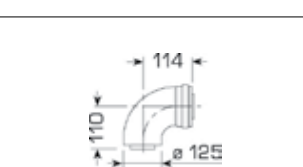

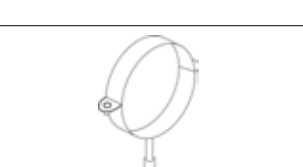
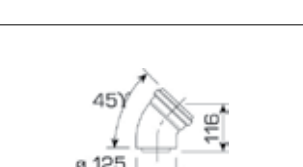

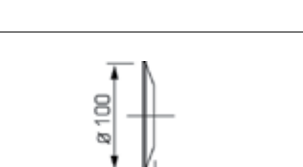

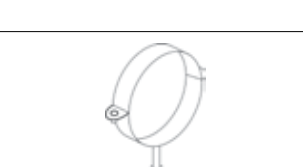


MGP 110 HE







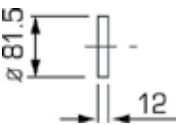
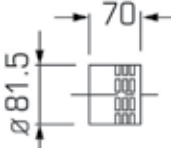



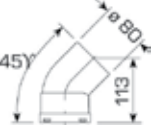

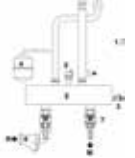


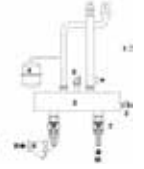
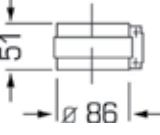
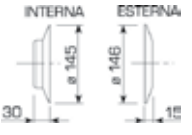

High Efficiency Flue Accessories Concentric  
60/100mm

High Efficiency Flue Accessories Concentric  
80/125mm

			
<b>8096250</b> Condensing Horizontal Flue Kit 790mm	<b>8096260</b> 880mm Plume Terminal Kit (Inc 60mm White Outlet Pipe & Bkts)	<b>8091280</b> Horizontal Flue Kit Co-Ax Murelle 50 and 110R	<b>8091281</b> Vertical Flue Kit Co-Ax Murelle 50 and 110R
			
<b>8091205</b> Vertical Flue Kit 80/125mm 1285mm (inc 60/100 reducer)	<b>8086950</b> Vertical Adaptor 120mm Starter	<b>8096253</b> Condensing Horizontal Flue Terminal Kit 850mm	<b>8091205</b> Vertical Flue Kit 80/125mm 1285mm (inc 60/100 reducer)
			
<b>8091300</b> Angled Flashing Plate	<b>8095850</b> 90 Degree Flue Bend	<b>8091401</b> Twin to Concentric Adaptor Kit 60/100mm - 80/125mm	<b>8093150</b> Concentric Adaptor Kit 60/100mm - 80/125mm
			
<b>8095950</b> 45 Degree Flue Bend	<b>8096151</b> Flue Extension 500mm	<b>8091300</b> Angled Flashing Plate	<b>8095870</b> 90 Degree Flue Bend
			
<b>8096150</b> Flue Extension 1.0m	<b>8082102</b> Flue Support Bracket 100mm	<b>8095970</b> 45 Degree Flue Bend	<b>8096170</b> Flue Extension 500mm
			
<b>6230400</b> Terminal weather seal		<b>8096171</b> Flue Extension 1.0m	<b>8082103</b> Flue Support Bracket 125mm

High Efficiency Twin Accessories 80mm

System and Control Accessories

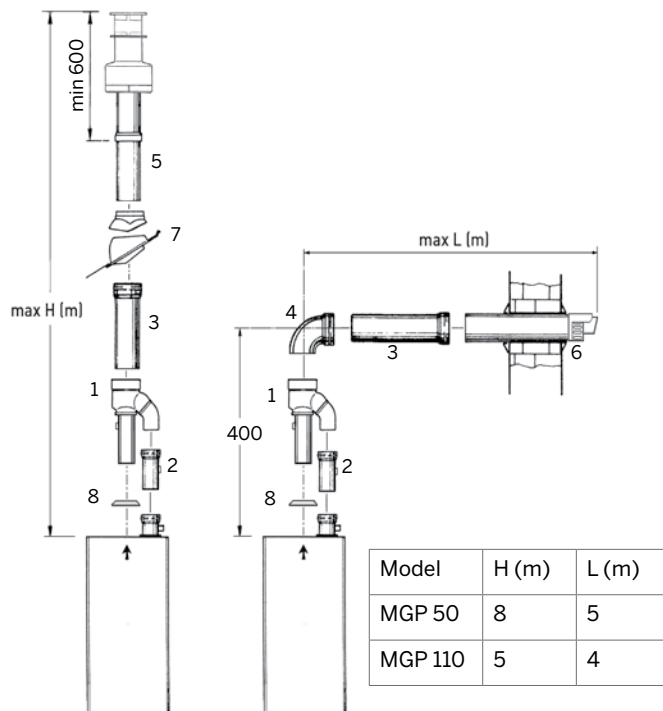
			
<p><b>8089912</b> Boiler Twin Flue Adaptor Kit Murelle MGP</p>	<p><b>8091401</b> Twin - Concentric 80/125mm adaptor</p>	<p><b>8092226</b> External Programmer Twin Channel Murelle Range</p>	<p><b>8092227</b> External Programmer Single Channel Murelle Range</p>
			
<p><b>8089500</b> Air Inlet Terminal</p>	<p><b>8089501</b> Exhaust Terminal</p>	<p><b>8094101</b> External Sensor</p>	<p><b>8092228</b> Mechanical Clock Kit Single Channel Murelle Range Only</p>
			
<p><b>8077450</b> 90 Degree Flue Bend</p>	<p><b>8077451</b> 45 Degree Flue Bend</p>	<p><b>8092229</b> Digital Clock Kit Single Channel Murelle Range</p>	<p><b>8101586</b> Murelle 50R Hydraulic Separator</p>
			
<p><b>8077350</b> Flue Extension 500mm</p>	<p><b>8077351</b> Flue Extension 1.0m</p>	<p><b>8101587</b> Murelle 110R Hydraulic Separator</p>	
			
<p><b>8092700</b> Single 80mm Joiner</p>	<p><b>8091500</b> Flue Collar Kit 80mm Internal &amp; External</p>		
			
<p><b>8091504</b> Flue Support Bracket 80mm</p>			

RANGE	MURELLE GREEN PLANET			MURELLE GREEN PLANET		
TYPE	SYSTEM INTERNAL			SYSTEM EXTERNAL		
MODEL	HE 35	HE 50	HE 110	HE 35	HE 50	HE 110
SALES CODE BOILER ONLY (NG)	MGP HE35I-NG	MGP HE50I-NG	MGP HE110I-NG	MGP HE35E-NG	MGP HE50E-NG	MGP HE110E-NG
<b>Performance</b>						
Maximum thermal efficiency 80°C - 60 °C / 50°C - 30°C (%)	97.1/107	97.5/106.6	97.8/106.1	97.1/107	97.5/106.6	97.8/106.1
Minimum thermal efficiency 80°C - 60 °C / 50°C - 30°C (%)	92.9/107	96.9/109.3	97.7/109.1	92.9/107	96.9/109.3	97.7/109.1
Heating Input nominal / minimum NG (Kw)	34.8/12.8	48/9.6	108/21.6	34.8/12.8	48/9.6	108/21.6
Heating Output nominal / minimum at 80 - 60°C NG (Kw)	33.8/11.9	46.8/9.3	105.6/21.1	33.8/11.9	46.8/9.3	105.6/21.1
Heating Output nominal / minimum at 50 - 30°C NG (Kw)	37.2/13.7	51.2/10.5	114.6/23.6	37.2/13.7	51.2/10.5	114.6/23.6
Nominal gas consumption NG (Mj/h)	138	193.12	428.25	138	193.12	428.25
Turn down gas consumption NG (Mj/h)	50.6	37.88	85.5	50.6	37.88	85.5
Nox Class (5 being lowest)	5	5	5	5	5	5
Installer maximum single piece lift weight (kg)	38	40	88	45	53	98
Minimum system pressure (bar)	0.5	0.5	0.5	0.5	0.5	0.5
Maximum heating system pressure (bar)	3	3.5	5	3	3.5	5
Water volume (L)	6.1	7.3	8.2	6.1	7.3	8.2
Expansion vessel capacity (L)	10	External	External	10	External	External
Expansion relief valve (bar)	3	3.5	5	3	3.5	5
Maximum inlet gas pressure NG / LPG (kPa)	2.75/3.50	2.75/3.50	2.75/3.50	2.75/3.50	2.75/3.50	2.75/3.50
Minimum inlet gas pressure NG / LPG (kPa)	1.13/2.75	1.13/2.75	1.13/2.75	1.13/2.75	1.13/2.75	1.13/2.75
Internal pump head (kPa)	60	70	80	60	70	80
Nominal/Minimum flow rate (l/s at 80°C - 60 °C)	0.4/0.14	0.55/0.11	1.25/0.25	0.4/0.14	0.55/0.11	1.25/0.25
Modulation ratio (:1)	3:1	5:1	5:1	3:1	5:1	5:1
<b>Electrical</b>						
Electrical supply	240 V - 50Hz	240 V - 50Hz	240 V - 50Hz	240 V - 50Hz	240 V - 50Hz	240 V - 50Hz
Electrical rating	4 Amps	4 Amps	4 Amps	4 Amps	4 Amps	4 Amps
<b>Dimensions</b>						
Height (mm)	700	700	865	700	700	865
Width (mm)	450	450	500	450	450	500
Depth (mm)	350	400	600	350	400	600
<b>Clearances</b>						
Above (mm)	200	200	200	200	200	200
Below (mm)	200	200	200	200	200	200
Side (mm)	15	15	15	15	15	15
Front (mm)	500	500	500	500	500	500



RANGE	MURELLE GREEN PLANET			MURELLE GREEN PLANET		
TYPE	SYSTEM INTERNAL			SYSTEM EXTERNAL		
MODEL	HE 35	HE 50	HE 110	HE 35	HE 50	HE 110
<b>Flueing</b>						
Maximum 60/100 horizontal length (m)	4	-	-	4	-	-
Maximum 60/100 vertical length (m)	6	-	-	6	-	-
Maximum 80/125 horizontal length (m)	8	5	4	8	5	4
Maximum 80/125 vertical length (m)	11	8	5	11	8	5
Maximum 80/80 horizontal twin pipe length (m)	20	20	20	20	20	20
Maximum 80/80 vertical twin pipe length (m)	20	20	20	20	20	20
<b>Features</b>						
Giannoni (AISI 316) stainless steel heat exchanger (5 year warranty)	✓	✓	✓	✓	✓	✓
Intelligent easy - to use control panel	✓	✓	✓	✓	✓	✓
Self diagnostics performance data processor built in	✓	✓	✓	✓	✓	✓
BMS (building management system compatible) 0-10v dc	✓	✓	✓	✓	✓	✓
Dual demand signal 240v or voltage free	✓	✓	✓	✓	✓	✓
Cascade control built in	-	✓	✓	-	✓	✓
Internal clock (option)	✓	✓	✓	-	-	-
Domestic hot water built in diverter valve (optional)	✓	-	-	✓	-	-
PFilter protection	✓	✓	✓	✓	✓	✓
Backlit display	✓	✓	✓	✓	✓	✓
Full gas/air modulation	✓	✓	✓	✓	✓	✓
Frost protection	✓	✓	✓	✓	✓	✓
Automatic by-pass fitted	✓	✓	✓	✓	✓	✓
No compartment ventilation required	✓	✓	✓	✓	✓	✓
Prewired electrical lead	✓	✓	✓	✓	✓	✓
Anti-cycling device	✓	✓	✓	✓	✓	✓
Daily pump kick	✓	✓	✓	✓	✓	✓
Adjustable pump overrun on heating	✓	✓	✓	✓	✓	✓
Weather compensation (optional)	✓	✓	✓	✓	✓	✓
Optional Mixed Zone Card	✓	✓	✓	✓	✓	✓
Optional Solar Card Control	✓	✓	✓	✓	✓	✓
LPG version	✓	✓	✓	✓	✓	✓
Electrical Protection	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D

Type C (ø 80/125 coaxial exhaust)



**WARNING**

- "MGP 50" each additional 90° bend, reduces the available length by 2 meters each additional 45° bend reduces the available length by 1 meter.
- "MGP 110" additional bends are not permitted.

KEY	80/125 COAXIAL FLUING	
1	8091401	Twin adaptor
2	8092800	Condense collector
3	8096171	1000mm extension
3b	8096170	500mm extension
4	8095870	90° bend
4b	8095970	45° bend
5	8091205	Roof terminal
6	8096253	Horizontal terminal
7	8091300	Articulated tile
8	N/A	Gasket – supplied with boiler

**8091280** 125mm Horizontal Flue Kit

Inclusive of the following items

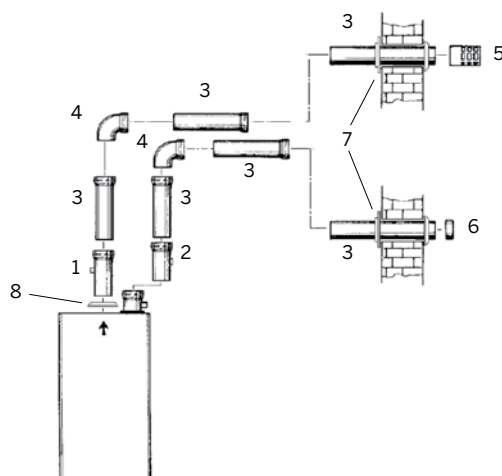
KEY	CODE	DESCRIPTION
1	8091401	Twin adaptor
2	8092800	Condense collector
4	8095870	90° bend
6	8096253	Horizontal terminal

**8091281** Vertical Flue Kit

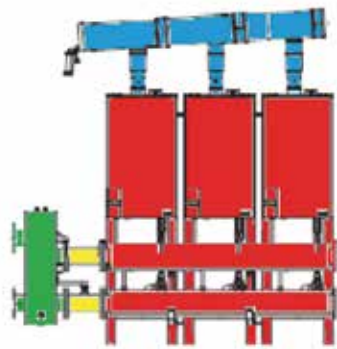
Inclusive of the following items

KEY	CODE	DESCRIPTION
1	8091401	Twin adaptor
2	8092800	Condense collector
5	8091205	Vertical terminal

Type C (separate ø 80 flues)



KEY	80MM FLUING	
1	8077350	500mm extension
2	8092800	Condense recovery
3	8077350	500mm extension
3b	8077351	1000mm extension
4	8077450	90° bend
4b	8077451	45° bend
5	8089501	Exhaust terminal
6	8089500	Air inlet terminal
7	8091500	Wall seals (2 inner and 2 outer)
8	N/A	Gasket – supplied with boiler



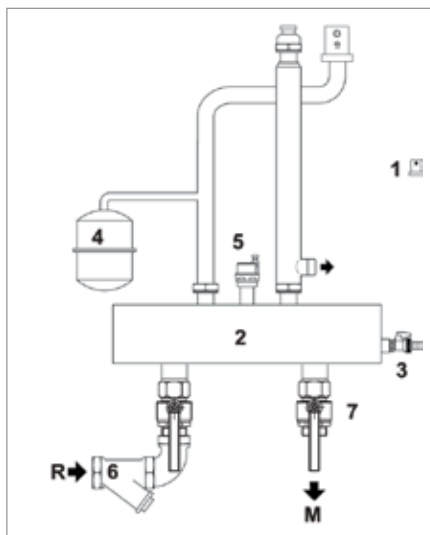
Available Internal, External,  
Natural Gas and LPG

PRODUCT CODE	DESCRIPTION	OUTPUT KW
	<b>Murelle Cascade Equipe 100</b>	
9001100	Two Murelle HE 50 R Boilers, Mounting frames and headers	93.6
8101534	Low loss header connection kit	
8101550	Low loss header	
9000100	Cascade flue	
	<b>Murelle Cascade Equipe 150</b>	
9001150	Three Murelle HE 50 R Boilers, Mounting frames and headers	140.4
8101534	Low loss header connection kit	
8101550	Low loss header	
9000150	Cascade flue	
	<b>Murelle Cascade Equipe 220</b>	
9001220	Two Murelle HE 110 R Boilers, Mounting frames and headers	210.8
8101532	Low loss header connection kit	
8101552	Low loss header	
9000220	Cascade flue	
	<b>Murelle Cascade Equipe 330</b>	
9001330	Three Murelle HE 110 R Boilers, Mounting frames and headers	316.2
8101532	Low loss header connection kit	
8101552	Low loss header	
9000330	Cascade flue	
	<b>Murelle Cascade Equipe 440</b>	
9001440	Four Murelle HE 110 R Boilers, Mounting frames and headers	421.6
8101533	Low loss header connection kit	
8101553	Low loss header	
9000440	Cascade flue	
	<b>Murelle Cascade Equipe 550</b>	
9001550	Five Murelle HE 110 R Boilers, Mounting frames and headers	527.0
8101533	Low loss header connection kit	
8101553	Low loss header	
9000550	Cascade flue	
	<b>Murelle Cascade Equipe 660</b>	
9001660	Six Murelle HE 110 R Boilers, Mounting frames and headers	632.4
8101533	Low loss header connection kit	
8101553	Low loss header	
9000660	Cascade flue	

**The use of a hydraulic separator is mandatory. Additional expansion vessel must be sized accordingly and installed downstream of the hydraulic separator or plate heat exchanger.**

### Hydraulic separator for single boiler installations

Code 8101586 50Kw  
Code 8101587 110Kw



### Key

1. Non return valve (not supplied)
2. Hydraulic compensator
3. Drain tap (not supplied)
4. 8 litre expansion vessel boiler only
5. Air relief valve (not supplied)
6. Oblique filter (not supplied)
7. Isolation valve



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