sime®
CLIMA DI VALORE

BRAVA

SMALL SIZE, BIG PERFORMANCE

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BRAVA: SMALL SIZE, BIG PERFORMANCE

Brava Slim and Brava One are part of a new generation wall hung boilers, particularly compact and functional. They represent the ideal answer to the requirements of modern domestic environments where space must be used in the best possible way.
Despite compact dimensions, they have technical solutions and features belonging to superior classes of product; we are, therefore, proud to assert that they are small in size, but big on performance.
The elegant design and ease of use help improve the user experience who will appreciate the quality and reliability in time, that Sime incorporates into all of its products.

TECHNOLOGICAL ADVANTAGES

- Extremely compact dimensions
- All boilers with double heat exchanger
- Brass hydraulic unit with DIN Standard conections
- Casing in three pieces
- DHW Management with dual probe
- Combustion control with electronic feedback loop and electronic gas valve
- Can be installed outdoors or built in a wall, by using optional accessories or kit

	CONDENSATION		CONVENTIONAL	
	instantaneous	heating only	open chamber	sealed chamber
25 kW	**Brava Slim 25 HE** **Brava One 25 HE**	**Brava Slim 25 HE T**	**Brava One 25 OF**	**Brava Slim 25 BF** **Brava One 25 BF**
30 kW	**Brava Slim 30 HE** **Brava One 30 HE**			**Brava Slim 30 BF** **Brava One 30 BF**
35 kW	**Brava Slim 35 HE**			
40 kW	**Brava Slim 40 HE**			**Brava Slim 40 BF**

Disponibile su App Store

GET IT ON Google play

Get the Brava Sime App from the App Store or Google Play Store

Aim at the marker picture on the left

Wait until the content in augmented reality appears

Interact with your new Brava Slim HE boiler and discover its features

AMAZING DIMENSIONS FOR ITS POTENTIAL

The particularly compact dimensions are the most evident feature of the new Brava Slim and Brava One: 70 cm x 40 cm x 25 cm up to 35 kWmodel!

For example, by comparing the condensation versions with previous models, there is an average reduction of 30% of the volume. A truly remarkable result.

CONDENSATION	A	L	P	Respect to DGT*
25 HE	700	400	250	**-28%**
30 HE	700	400	250	**-28%**
35 HE	700	400	250	**-40%**
40 HE	700	400	300	-

CONVENTIONAL	A	L	P	Respect to DGT*
25 OF	700	450	250	**-20%**
25 BF	700	400	250	**-20%**
30 BF	700	450	250	**-20%**
40 BF	700	450	350	-

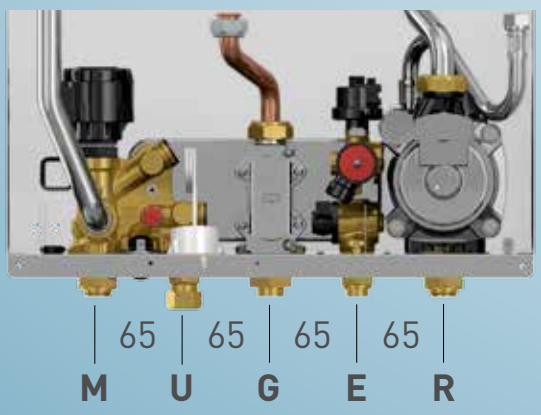
* in volume


P

YOU WILL SLEEP PEACEFUL SLEEP

With Brava Slim and Brava One, Sime uses the brass hydraulic unit on all boilers in the range. Brass stands for quality, reliability, and durability and guarantees a peaceful sleep.
The new hydraulic unit introduces a new sequence of the connection manifolds according to DIN Standard. This is used by the majority of the European manufacturers and gives maximum installation flexibility of Brava Slim and Brava One.

The new brass unit



M	System flow	**¾"**
U	Sanitary water outlet	**½"**
G	Gas supply	**¾"**
E	Sanitary water inlet	**½"**
R	System return	**¾"**

Specific cocks and curves kit are available to fit the new boilers to previous Sime installations

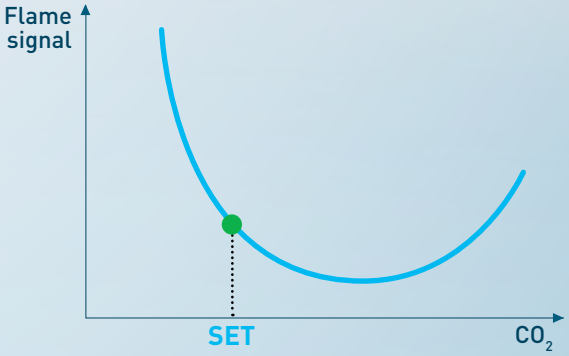
TO EVERY ACTION THE PERFECT REACTION

The manufacturers of boilers have always worried about adjusting the more efficient and environmentally friendly combustion. The passing of time often cancels these efforts, lowering the quality of the combustion due to uncontrollable physical drifts. An active control of the combustion allows maintaining the system within the predefined limits of efficiency, safety and emissions. The system is based on two essential components: the ignition electrode and the control electronics. The electrode, immersed in the flame, works as control sensor of the combustion, providing feedback to the electronics continuously controlling the combustion.

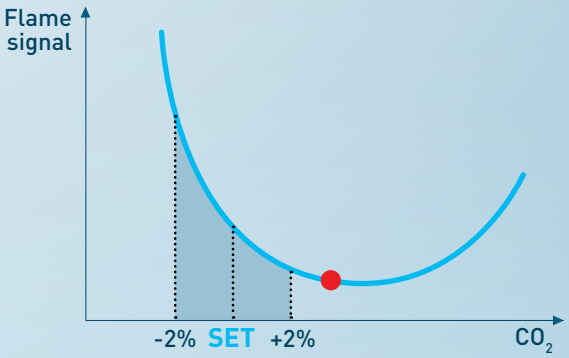
SYSTEM BENEFITS

- Simple commissioning, high reliability and reduced maintenance in time
- Maximum safety in case of bad exhaust gas evacuation or unburnt gas recirculation (not detectable by traditional systems)
- Improved control of combustion drifts caused by processing tolerances, oxidation and isolation losses
- No mechanical setting: electronic calibration of the gas valve trough simple parameter settings
- Increased reliability by eliminating the air pressure switch from traditional combustion boilers
- Greater ease in LPG/methane gas change through simple parameter in condensation boilers and safe operation in case of using the wrong gas

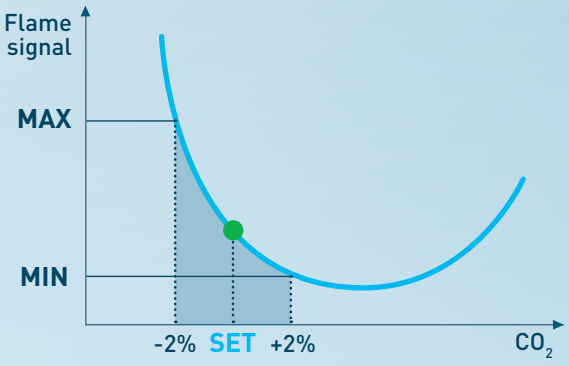
UPON IGNITION, THE BOILER WORKS IN OPTIMAL COMBUSTION CONDITIONS



DURING OPERATION, THE COMBUSTION UNDERGOES DRIFTS THAT MAY LEAD IT OUTSIDE OF THE PREDEFINED WORK FIELD



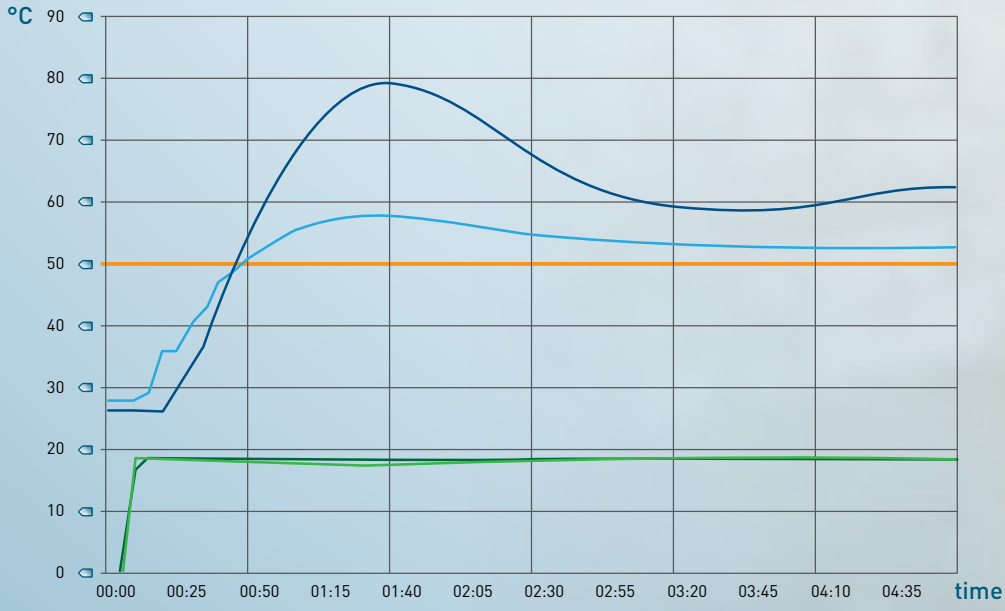
THE SYSTEM DETECTS THE DRIFT AND AUTOMATICALLY RUNS A NEW CALIBRATION TO GO BACK TO WORKING AT THE PRE-DEFINED SET



HIGH PERFORMANCES WITHOUT ANY WASTE

With Brava Slim and Brava One, Sime introduces a sanitary DHW management with dedicated temperature probe. This ensures precise and stable temperature of hot water with no overshoots. Brava Slim, both in condensing and in traditional combustion version, is also fitted with pre-heating function of the DHW exchanger (it can be deactivated). This makes the boiler ready even when cold, and allows obtaining the three stars, greater scoring of sanitary comfort according to Standard EN 13203.

DHW performance comparison between DGT range and the new range



DHW flow rate: 200 l/h
DHW Set-point: 50°C

In light colours the new range
In dark colours the DGT range

DHW outlet T°

DHW Flow rate

VERSATILE AND ADJUSTABLE TO ANY ENVIRONMENT

The particularly compact dimensions of Brava Slim and Brava One offer maximum assembly reliability: all models from 25 to 35 kW, condensing and standard combustion balanced flue models, are suitable for outdoor installation or built-in a wall, by using simple accessories.

	BRAVA SLIM	BRAVA ONE
Built-in cabinet or casing for outdoor	★	★
Sime Home remote control (Plus)	★	★
Cock kit	★	★
Anti-freeze kit -15°C	☆	☆
Outdoor probe	☆	☆
Automatic loading kit	☆	
Solar kit (thermostatic valve)	☆	

★ Necessary accessories ☆ Optional accessories

The perfect complement for Brava in outdoor or built-in version, are the new Sime Home remote controls, designed for perfect integration with the boilers.

The elegant and linear design fits in any environment and the exclusive functions allow the total control of the system and of the boiler.

	SIME HOME	SIME HOME PLUS
High resolution dot matrix display	✓	✓
White back-lighting		✓
Weekly heating programming	✓	✓
Weekly DHW accumulation programming		✓
Climatic adjust. on outdoor and indoor probe	✓	✓
Management of boiler parameters from remote control	✓	✓
System operation parameter display	✓	✓
Advanced boiler diagnostics with advise		✓
Contact for telephone dial		✓
Gain indication of a solar circuit		✓

EXPANDIBILITY BEYOND EXPECTATIONS

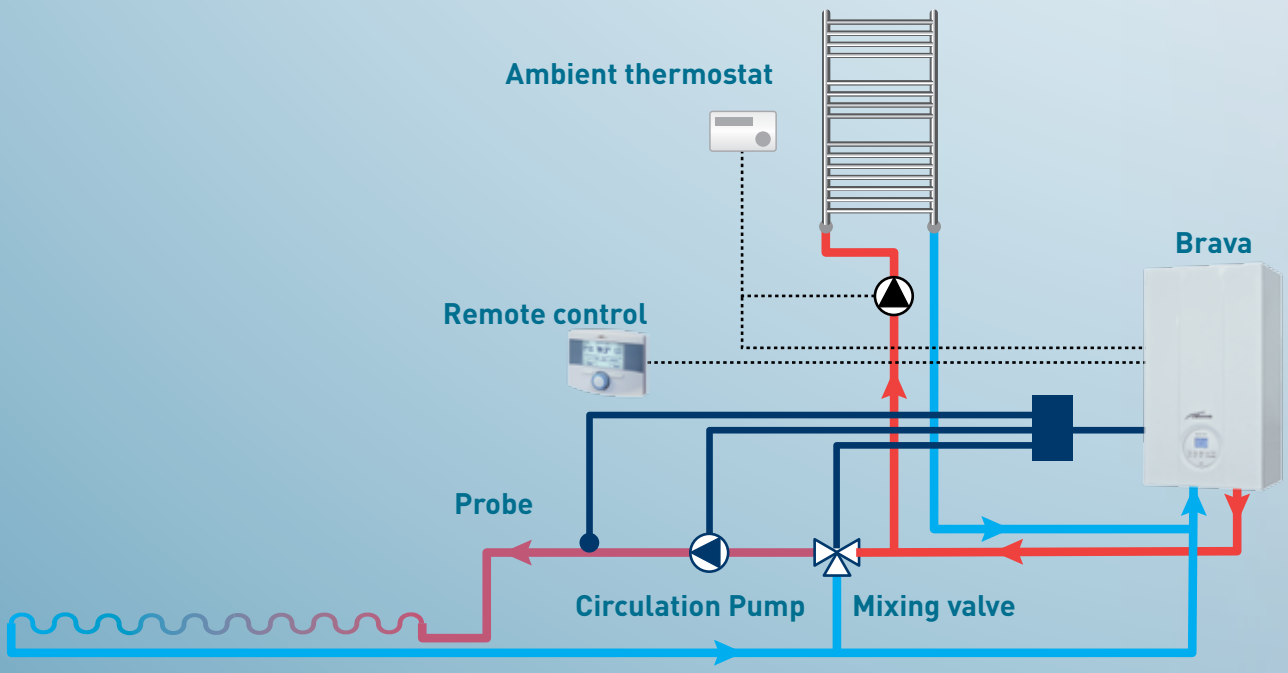
The Brava Slim boilers are designed with a wide plant flexibility: the possibility of managing a modern heating system significantly increases due to the number of dedicated accessories.

Solar kit with thermostatic valve
Kit that intercepts hot water coming from a solar circuit and directs it to the boiler, possibly mixed, that will activate to integrate if needed.

Management kit of a mixed area
Kit consisting of an electronic board, temperature probe and mixing valve to manage a low temperature area. The kit includes the Sime Home Plus remote control.

Management kit of four direct areas
Kit consisting of an electronic board and Sime Home Plus remote control to manage 4 areas.

Expansion board kit with two relay
Through appropriate parameter setting, can perform two of the following functions: alarm for remoteness of occurred anomaly, area valve controlled by ambient thermostat or remote control, automatic loading of boiler.



BRAVA SLIM AND BRAVA ONE IN DETAIL

Brava Slim and Brava One are distinguished by different appearances and by a specific user interface:

Brava Slim

5 rubber keys and large blue back-lit LCD

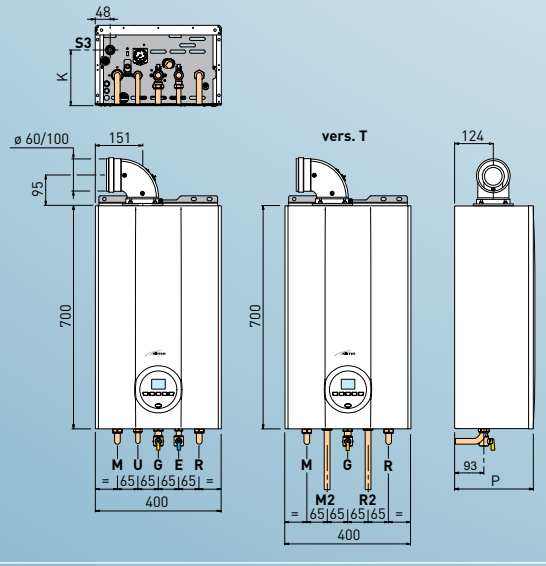
Brava One

4 rubber keys, 2 knobs and a small blue back-lit LCD

	CONDENSATION		TRADITIONAL COMBUSTION	
	BRAVA SLIM HE	BRAVA ONE HE	BRAVA SLIM	BRAVA ONE
				
Features				
Casing	3 pieces	3 pieces	3 pieces	3 pieces
User interface	5 keys	4 keys + 2 knobs	5 keys	4 keys + 2 knobs
Water gauge	transducer + LCD	pressure switch + water gauge	transducer + LCD	pressure switch + water gauge
Display	Medium-sized blue back-lit LCD with 23 symbols	Small blue back-lit LCD with 7 symbols	Medium-sized blue back-lit LCD with 23 symbols	Small blue back-lit LCD with 7 symbols
Wide range	25-30-35-40 instantaneous	25-30 instantaneous 25 T	25-30-40 BF	25 OF 25-30 BF
Performances				
Modulation	1:5 heating (1:8 25T) 1:6 DHW	1:5 heating	1:3	1:3
Climatic adjustment	integrated	integrated	integrated	integrated
Anti-freeze function	protection up to -5°C	protection up to -5°C	protection up to -5°C	protection up to -5°C
Sanitary				
DHW Performance	3 DHW stars	standard	3 DHW stars	standard
DHW Management with dual probe	✔	✔	✔	✔
Increased plate exchanger	increased	standard	increased	standard
Flow meter/flow meter	flow meter	flow meter	flow meter	flow meter
Outdoor connectivity				
Thermostat input	2	1	2	1
Settable temperature levels	1	1	1	1
Remote alarm	✔ accessory	✖	✔ accessory	✖
Settable temperature levels	✔ accessory	✖	✔ accessory	✖
Accessories				
Solar with thermostatic mixing valve	✔	✖	✔	✖
Mixed area management kit	✔	✖	✔	✖
Fitting cover	✔ accessory	✔ accessory	✔ accessory	✔ accessory
Anti-freeze kit	-15°C	-15°C	-15°C	-15°C
Automatic system loading	✔ accessory	✖	✔ accessory	✖

TECHNICAL DATA AND DIMENSIONS

		BRAVA SLIM HE					BRAVA ONE HE	
Model		**25**	**30**	**35**	**40**	**25 T**	**25**	**30**
Nominal thermal power (80-60°C)	kW	19,7	23,6	29,5	34,5	23,6	19,7	23,6
Nominal thermal power (50-30°C)	kW	21,4	25,7	32,2	37,5	25,7	21,4	25,7
Reduced thermal power (80-60°C)	kW	3,9	4,7	5,9	6,9	2,9	3,9	4,7
Reduced thermal power (50-30°C)	kW	4,3	5,1	6,5	7,5	3,2	4,3	5,1
Heating nominal heat flow	kW	20	24	30	35	24	20	24
Heating reduced heat flow	kW	4,0	4,8	6,0	7,0	3,0	4,0	4,8
Max useful yield (80-60°C)	%	98,5	98,3	98,3	98,6	98,3	98,5	98,3
Min useful yield (80-60°C)	%	97,5	97,9	98,3	98,6	96,6	97,5	97,9
Max useful yield (50-30°C)	%	107	107,1	107,3	107,1	107,1	107	107,1
Min useful yield (50-30°C)	%	107,5	106,25	108,3	107,1	106,6	107,5	106,25
Useful perform. at 30% of the load (40-30°C)	%	107	107	107	107	107	107	107
Energy performance (EEC 92/42)		****	****	****	****	****	****	****
Power consumption	W	105	114	135	135	105	105	114
Electric protection degree	IP	X5D	X5D	X5D	X5D	X5D	X5D	X5D
Heating adjustment field	°C	20/80	20/80	20/80	20/80	20/80	20/80	20/80
Water contents in the boiler	l	4,65	4,75	4,95	5,60	4,50	4,65	4,75
Maximum operating pressure	bar	3	3	3	3	3	3	3
Max operating temperature	°C	85	85	85	85	85	85	85
Heating expansion vessel capacity	l	9	9	9	10	9	9	9
Heating expansion vessel pressure	bar	1	1	1	1	1	1	1
Sanitary adjustment field	°C	10/60	10/60	10/60	10/60	-	10/60	10/60
Sanitary nominal thermal power	kW	24	28	35	40	-	24	28
Sanitary nominal heat flow	kW	24	28	35	40	-	24	28
Specific sanitary flow rate (EN 625)	l/min	11,2	12,9	16,5	19,4	-	11,2	12,9
Continuous sanitary flow rate Δt 30°C	l/min	11,4	13,4	16,4	19,1	-	11,4	13,4
Sanitary minimum flow rate	l/min	2,0	2,0	2,0	2,0	-	2,0	2,0
Min/max sanitary pressure	bar	7,0/0,5	7,0/0,5	7,0/0,5	7,0/0,7	-	7,0/0,5	7,0/0,5
Max ø 60/100 horizontal length	m	6	5	4	4	6	6	5
Max ø 80/125 horizontal length	m	12	10	10	10	12	12	10
Max 80+80 horizontal twin pipe length	m	25+25	25+25	25+25	25+25	25+25	25+25	25+25
Max 60+60 horizontal twin pipe length	m	6+6	6+6	4+4	4+4	6+6	6+6	6+6
NOx class		5	5	5	5	5	5	5
Weight	kg	28,5	28,5	29,9	32,6	27,5	28,5	28,5



DIMENSIONS	25-30-35	40
P	250	300
K	175	214

CONNECTIONS

R	System return	3/4"
M	System flow	3/4"
G	Gas supply	3/4"
M2	Storage tank flow	3/4"
R2	Storage tank return	3/4"
E	Sanitary water inlet	1/2"
U	Sanitary water outlet	1/2"
S3	Condensation discharge	ø 25

TECHNICAL DATA AND DIMENSIONS

		BRAVA SLIM			BRAVA ONE		
Model		**25 BF**	**30 BF**	**40 BF**	**25 OF**	**25 BF**	**30 BF**
Nominal thermal power	kW	23,7	28,1	37,2	23,0	23,7	28,1
Reduced thermal power	kW	7,8	9,2	11,3	8,7	7,8	9,2
Heating nominal heat flow	kW	25,5	30,0	40,0	25,0	25,5	30,0
Heating reduced heat flow	kW	9,2	10,8	13,5	10,0	9,2	10,8
Useful perform. at 100% of the load	%	92,9	93,7	93,3	92,2	92,9	93,7
Useful perform. at 30% of the load	%	90,5	91,1	91,7	91,5	90,5	91,1
Energy performance (EEC 92/42)		★★★	★★★	★★★	★★	★★★	★★★
Power consumption	W	112	113	136	79	112	113
Electric protection degree	IP	X5D	X5D	X5D	X4D	X5D	X5D
Heating adjustment field	°C	20/80	20/80	20/80	20/80	20/80	20/80
Water contents in the boiler	l	3,05	3,65	4,90	3,15	3,05	3,65
Maximum operating pressure	bar	3	3	3	3	3	3
Max operating temperature	°C	85	85	85	85	85	85
Heating expansion vessel capacity	l	8	9	8	8	8	9
Heating expansion vessel pressure	bar	1,0	1,0	1,0	1,0	1,0	1,0
Sanitary adjustment field	°C	10/60	10/60	10/60	10/60	10/60	10/60
Specific sanitary flow rate (EN 625)	l/min	11,3	13,4	17,8	10,9	11,3	13,0
Continuous sanitary flow rate Δt 30°C	l/min	11,3	13,4	17,8	11,1	11,3	13,4
Sanitary minimum flow rate	l/min	2,0	2,0	2,0	2,0	2,0	2,0
Min/max sanitary pressure	bar	0,4/7	0,4/7	0,4/7	0,4/7	0,4/7	0,4/7
Max ø 60/100 horizontal length	m	3,5	3,0	3,0	-	3,5	3,0
Max ø 80/125 horizontal length	m	6,0	6,0	6,0	-	6,0	6,0
Max 80+80 horizontal twin pipe length	m	15+15	12+12	10+10	-	15+15	12+12
NOx class		3	3	3	3	3	3
Weight	kg	28,9	31,4	36,0	26,2	28,9	31,4

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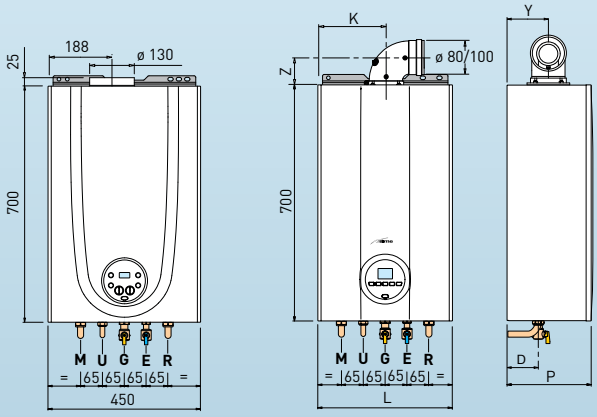

CONNECTIONS

R	System return	3/4"
M	System flow	3/4"
G	Gas supply	3/4"
E	Sanitary water inlet	1/2"
U	Sanitary water outlet	1/2"

DIMENSIONS	25	30	40
L	400	450	450
P	250	250	340
K	203	221	245
Z	80	80	85
Y	120	120	165
D	95	95	179

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