RESIDENTIAL

GTU 120
GTU 120 FF

GTU 1200
GTU 1200 FF

GTU 1200/V
GTU 1200 FF/V

GT 120

GT 1200

POWER RANGES

GT "COMMERCIAL OUTPUTS" see page 160

GTU 120

GT
"COMMERCIAL OUPUTS"
see page 160

Compact boilers with integrated fuel oil burner, for heating only

★★ CE: n° CE 1312BM3528

- Floor-standing fuel oil boiler, low temperature
- **Annual operating efficiency up to 96%**
- Heating body in eutectic cas iron
- 3-path flue way design and large combustion chamber
- Fuel oil burner integrated with low NOx preset
- 2 control panels with DHW priority function:
  * B: Basic, operation by boiler thermostat
  * D: Diematic 3, with electronic programmable regulation according to the outside temperature (see page 112)

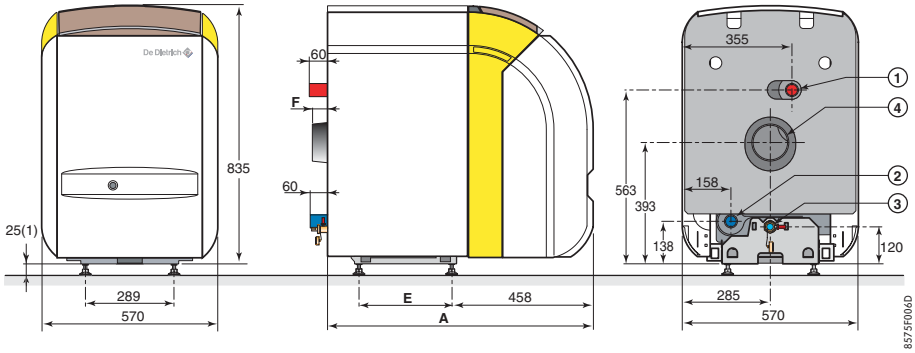
Packaging: 2 packages

Robustness and longevity thanks to the body in eutectic cast iron Integrated burner

MAIN DIMENSIONS (mm and inches)

GTU	120	1200V	1200
① Heating flow	R 1 1/4	G1	G1
② Heating return	R 1 1/4	G1	G1
③ Filling and drain tap - connection for pipe int. (mm)	14	14	14
④ Flue nozzle Ø D	Ø D	Ø D	Ø D
⑤ DHW outlet	-	G1	G1
⑥ DCW inlet	-	G1	G1
⑦ DHW return loop G 3/4 (optional)	-	G 3/4	G 3/4

(1) Feet adjustable from 25 to 40 mm.
(2) Feet adjustable from 35 to 45 mm.
R: Threading
G: External cylindrical threading (watertightness by flat gasket)



	A	B	Ø D	E	F
GTU 123, 1203/L 160	860	-	125	300	50
GTU 124, 1204/L 160	987	-	125	427	50
GTU 125, 1205/L 160-250	1114	-	125	554	50
GTU 126, 1206/L 250	1241	-	153	681	99
GTU 1203/V 130	825	133	125	-	-
GTU 1204/V 130	952	260	125	-	-
GTU 1205/V 130	1079	387	125	-	

TECHNICAL SPECIFICATIONS

Low temperature

Mini outlet temperature: 30°C
Mini return temperature: none
- Max. operating temperature: 100°C
- Max. operating pressure: 4 bar
- Thermostat: 30 to 90°C adjustable
- Safety thermostat: 110°C

Boiler type		GTU	123 RS*	124 S	125 S	126 S
Nominal output (Pn)		**kW**	**21**	**27**	**33**	**39**
Efficiency at … %	100 % Pn at 70°C	%	92.3	92.4	92.2	92.3
output and …°C	30 % Pn at 50°C	%	96.4	95.5	94.4	93.7
water temp. …	30 % Pn at 40°C	%	96.5	97.2	97.3	94.3
Nominal water flow, Δt = 20 K		m^3/h	0.904	1.162	1.420	1.678
Useful output		kW	16-21	21-27	27-33	33-39
Preset output		kW	20	25	30	35
Water content		l	19	24.5	30	35.5
Water resistance at Δt = 20 K		mbar	1.0	1.6	2.4	3.3
Flue gas circuit volume		l	31	41	51	61
Flue gas mass flow rate		kg/h	38	49	60	70
Draught at the nozzle		mbar	0.08	0.12	0.12	0.11
Flue gas temperature		°C	< 180	< 180	< 190	< 190
Net weight		kg	172	200	228	256

Values at nominal output and CO_2 = 12% with domestic fuel oil
(*) Burner fitted with a fuel oil reheater

Model	GTU	123 RS	124 S	125 S	126 S
GTU 120 B	Ref.	100001696	100001698	100001699	100001700
GTU 120 D	Ref.	100001711	100001713	100001714	100001715

FOR BOILER OPTIONS: see page 112, **HYDRAULIC MODULES:** see chapter 17

FROM 13.8 TO 33.5 MCAL/H
FROM 16 TO 39 KW
for chimney connection

GTU 1200 V, GTU 1200

Compact boilers with integrated fuel oil jet burner, for heating and domestic hot water

GTU 1200 V
from 16 to 33 kW

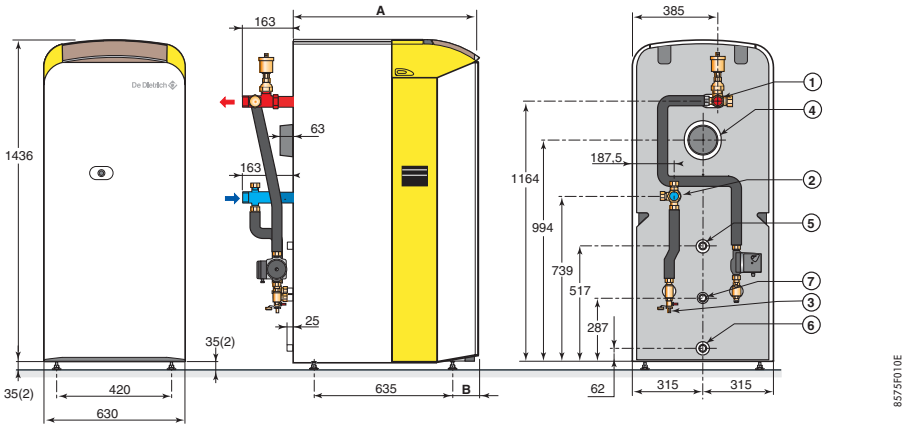
ADVANCE

8575Q008A

- **130 litre integrated DHW calorifier** placed under the casing of the boiler with protection by **"Titan Active System"** (anode without consumption of material)
- Boiler/tank connecting pipes included as are DHW pump and antithermosiphon valve
- DHW sensor delivered

- **Packaging:** 5 packages

Compact solution with integrated DHW tank and burner
Protection of DHW calorifier by "Titan Active System®"



Model	GTU	1203 RS/V 130	1204 S/V 130	1205 S/V 130
GTU 1200 B/V 130	Ref.	100001818	100001820	100001821
GTU 1200 D/V 130	Ref.	100001830	100001832	100001833

GTU 1200
from 16 to 39 kW

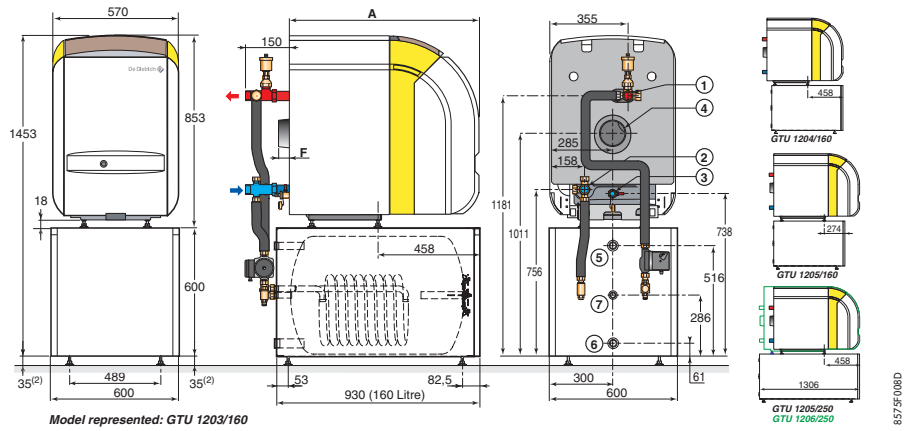
ADVANCE

8575Q007

- 160 litre or 250 litre **DHW calorifier** placed under the boiler with protection by **"Titan Active System"** (anode without consumption of material)
- Boiler/tank connecting pipes included as are DHW pump antithermosiphon valve
- DHW sensor delivered

- **Packaging:** 4 packages

Protection of DHW calorifier by "Titan Active System®"



Model represented: GTU 1203/160

Model	GTU	1203 RS/L160	1204 S/L160	1205 S/L160	1205 S/L250	1206 S/L250
GTU 1200 B/L...	Ref.	100001759	100001761	100001762	100001763	100001764
GTU 1200 D/L...	Ref.	100001789	100001791	100001792	100001793	100001794

Nota: dimension and legends: see opposite

TECHNICAL SPECIFICATIONS DOMESTIC HOT WATER (boilers see opposite)

Max operating temperature DHW: 70°C Max operating pressure DHW: 10 bar

Boiler type	GTU	1203 RS/V 130*	1204 S/V 130	1205 S/V 130	1203 RS/L 160*	1204 S/L 160	1205 S/L 160	1205 S/L 250	1206 S/L 250
Useful output	**kW**	**21**	**27**	**33**	**21**	**27**	**33**	**33**	**39**
DHW calorifier capacity	l	130	130	130	160	160	160	250	250
Exchanged power	kW	21	27	28	21	27	28	33	36
Specific rate at $\Delta t = 30$ K (compliance EN 13203-1)	l/min	18	19	19	19.5	20.5	20.5	30	30
Flow per hour $\Delta t = 35$ K	l/h	515	665	690	515	665	690	810	885
Flow over 10 min $\Delta t = 30$ K	l/10 min	215	220	220	250	255	255	385	385
Flue gas temperature	°C	< 180	< 180	< 190	< 180	< 180	< 190	< 190	< 190
Net weight	kg	276	304	332	272	300	328	358	386
DHW performances at room temperature: 20°C, cold water temp.: 10°C, hot water temp.: 45°C, primary hot water temp.: 80°C, DHW storage temp.: 60°C									

(*) Burner fitted with a fuel oil reheater

25 kW
with forced flue (for air/flue gas vent)

GTU 124 FF

Compact boilers with integrated fuel oil jet burner, for heating only

★★ CE: n° CE 1312BM3528

- Floor-standing fuel oil boiler, with forced flue, low temperature
- **Connection by forced flue** delivered by the choice:
  - horizontal (HOR): classification: C_{13x}
  - vertical (VER) including 90° elbow: classification: C_{33x}
- **Annual operating efficiency up to 96%**
- Heating body in eutectic cast iron
- 3-path flue way design and large combustion chamber
- Fuel oil burner integrated with forced flue preset
- Forced flue connection part with condensates recuperator and measuring outlet included
- 2 control panels with DHW priority function:
  - B: Basic, operation by boiler thermostat
  - D: Diematic 3, with electronic programmable regulation according to the outside temperature (see page 112)

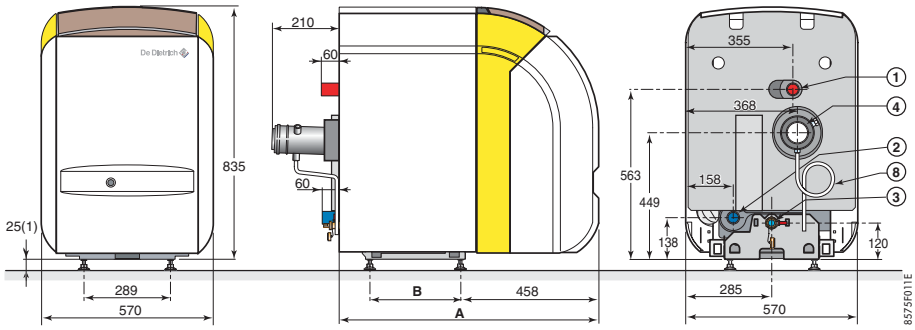
Packaging: 2 packages (except forced flue)

Fuel oil, low temperature solution for forced flue connection

Main dimensions (mm and inches)

GTU... FF	120	1200V	1200
① Heating flow	R 1 1/4	G1	G1
② Heating return	R 1 1/4	G1	G1
③ Filling and drain tap - connection for pipe int. Ø (mm)	14	14	14
④ Concentric connection (flue gas/air) Ø (mm)	80/125	80/125	80/125
⑤ DHW outlet	-	G1	G1
⑥ DCW inlet	-	G1	G1
⑦ DHW return loop (optional)	-	G 3/4	G 3/4
⑧ Condensate train			

(1) Feet adjustable from 25 to 40 mm.
(2) Feet adjustable from 35 to 45 mm.
R: Threading
G: External cylindrical threading (watertightness by flat gasket)



	A	B
GTU 124 FF, 1204 FF/L 160	987	427

Technical specifications

Low temperature

- Min. temperature boiler outlet: 30°C
- Min. temperature boiler return: none
- Max. operating temperature: 100°C
- Max. operating pressure: 4 bar
- Thermostat: 30 to 90°C adjustable
- Safety thermostat: 110°C

Classification: C_{13x}, C_{33x}, C_{93x}

Boiler type		GTU	124 FF
Nominal output		**kW**	**25**
Efficiency at ...%	100 % Pn at 70°C	%	92.3
output and ...°C	30 % Pn at 50°C	%	95.8
average temp.	30 % Pn at 40°C	%	97.6
Water flow at Δt = 20 K		m^3/h	1.076
Electrical power (without pump)		W	250
Preset output		kW	25
Water content		l	24.5
Water resistance at Δt = 20 K		mbar	1.3
Flue gas circuit volume		l	41
Flue gas mass flow rate		kg/h	44
Net weight		kg	205
Values at nominal output and CO_2 = 12 % with fuel oil			

Model	GTU	124.FF HOR (2)	124.FF VER (1)
GTU 124 B FF	Ref.	100001859	100001867
GTU 124 D FF	Ref.	100001865	100001873

(1) The air/flue gas vent is delivered in black, a variant in red can be ordered on request.
(2) The standard horizontal air/flue gas vent works for walls up to 30 cm thick. A longer air/flue gas vent can be delivered for walls up to 60 cm thick (see options chapter 17, page 211).

For Boiler Options: see page 112, **Hydraulic Modules:** see chapter 17

25 kW
with forced flue (for air/flue gas vent)

GTU 1204 FF/V, GTU 1204 FF

Compact boilers with integrated fuel oil jet burner, for heating and domestic hot water

GTU 1204 FF V
25 kW

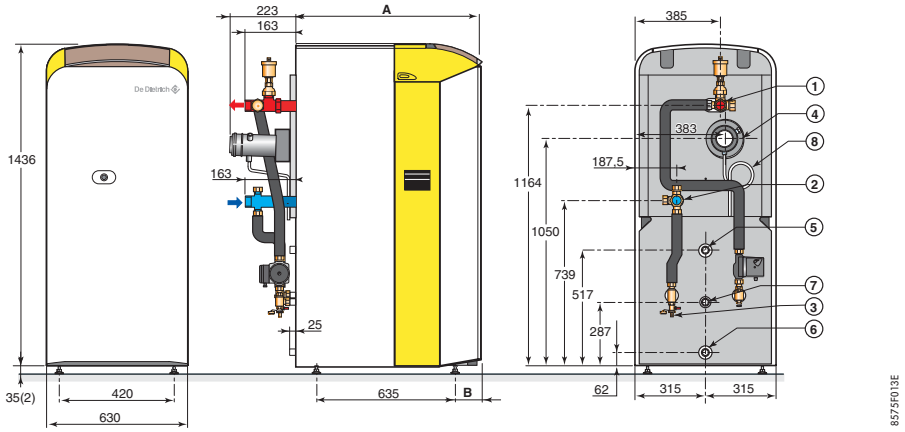
ADVANCE

8575Q008A

- **130 litre integrated DHW calorifier** placed under the casing of the boiler, protection by **"Titan Active System"** (anode without consumption of material)
- Boiler/tank connecting pipes included as are DHW pump and antithermosiphon valve
- DHW sensor delivered

- **Packaging:** 4 packages except forced flue

Protection of DHW calorifier by "Titan Active System®"



8575F013E

Model	GTU	1204.FF/V130 HOR (2)	1204.FF/V 130 VER (1)
GTU 1204 B FF/V...	Ref.	100001899	100001909
GTU 1204 D FF/V...	Ref.	100001905	100001915

GTU 1204 FF
25 kW

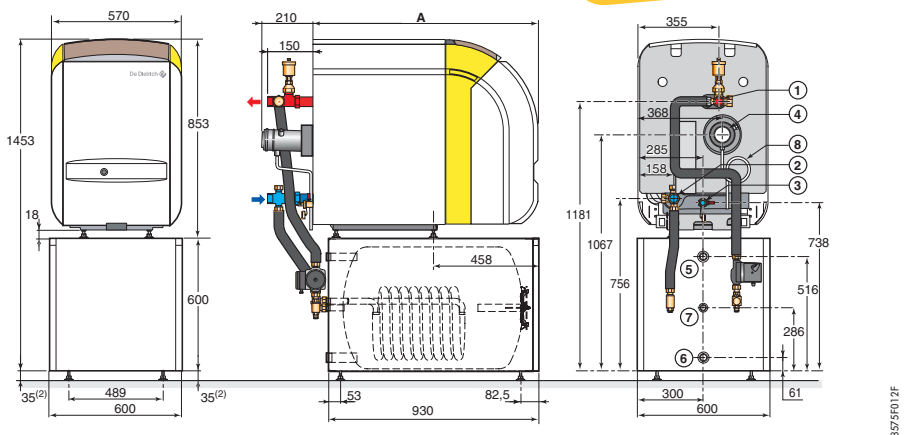
ADVANCE

8575Q007

- 160 litre or 250 litre **DHW calorifier** placed under the boiler, protection by **"Titan Active System"** (anode without consumption of material)
- Boiler/tank connecting pipes included as are DHW pump and antithermosiphon valve
- DHW sensor delivered

- **Packaging:** 4 packages

Protection of DHW calorifier by "Titan Active System®"



8575F012F

Model	GTU	1204.FF/L160 HOR (2)	1204.FF/L160 VER (1)
GTU 1204 B FF/L...	Ref.	100001875	100001887
GTU 1204 D FF/L...	Ref.	100001884	100001896

Nota: dimension and legends: see opposite

(1) The air/flue gas vent is delivered in black, a variant in red can be ordered on request.
(2) The standard horizontal air/flue gas vent works for walls up to 30 cm thick. A longer air/flue gas vent can be delivered for walls up to 60 cm thick (see options chapter 17, page 211).

TECHNICAL SPECIFICATIONS DOMESTIC HOT WATER (boilers see opposite)

- Max. operating temperature DHW: 70°C
- Max. operating pressure DHW: 10 bar

Boiler type	GTU	1204 FF/V 130	1204 FF/L 160
Nominal output	**kW**	**25**	**25**
DHW calorifier capacity	l	130	160
Exchanged power	kW	25	25
Specific rate at $\Delta t = 30$ K (compliance with EN 13203-1)	l/min	18.5	20.0
Flow per hour at $\Delta t = 35$ K	l/h	615	615
Flow over 10 min at $\Delta t = 30$ K	l/10 min	220	255
Net weight	kg	309	305

DHW performances at room temperature: 20°C, cold water temp.: 10°C, hot water temp.: 45°C, primary hot water temp.: 80°C, DHW storage temp.: 60°C

FROM 13.8 TO 40.4 MCAL/H
FROM 16 TO 47 KW
for chimney connection

GT 120

GT
"COMMERCIAL OUPUTS"
see page 160

Boilers to be fitted with a fuel oil / gas burner, for heating only

8575Q002

ADVANCE

★★ CE: n° CE 1312BM3528

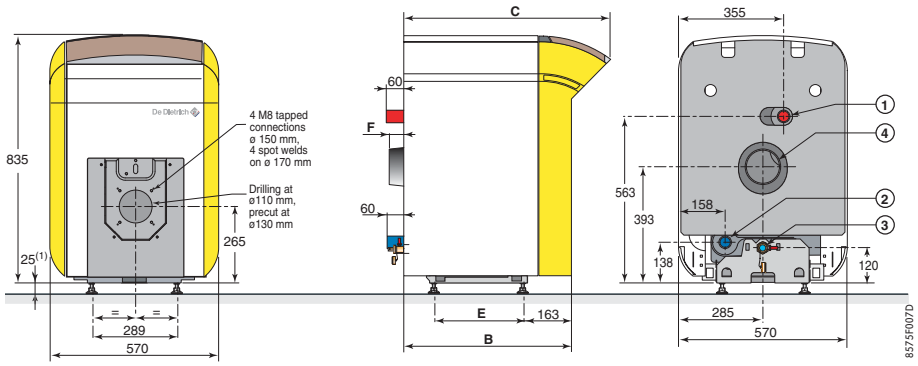
- Floor-standing fuel oil / gas boiler, low temperature
- **Annual operating efficiency up to 96%**
- Heating body in **eutectic cast iron**
- 3-path flue way design and large combustion chamber
- 3 control panels with DHW priority function (except X control panel):
  - B and X: Basic, operation by boiler thermostat
  - D: Diematic 3, with electronic programmable regulation according to the outside temperature (see page 112)
- **Fuel oil or gas burner optional**
- **Packaging:** 3 packages

Fuel oil low temperature high performances with body in eutectic cast iron

MAIN DIMENSIONS (mm and inches)

① Heating flow R 1 1/4
② Heating return R 1 1/4
③ Filling and drain tap - connection for pipe int. Ø 14 mm
④ Flue gas nozzle Ø D

(1) Feet adjustable from 25 to 40 mm.
R: Threading



GT	B	C	Ø D	E	F
123	565	685	125	300	50
124	692	812	125	427	50
125	819	939	125	554	50
126	946	1066	153	681	99

TECHNICAL SPECIFICATIONS

Low temperature
Mini outlet temperature: 30°C
Mini return temperature: none

- Max. operating temperature: 100°C
- Max. operating pressure: 4 bar
- Thermostat: 30 to 90°C adjustable
- Safety thermostat: 110°C

Boiler type		GT	123	124	125	126
Useful output		kW	16-26	26-33	33-40	40-47
Nominal input		kW	17.8-28.9	28.9-36.7	36.7-44.4	44.4-52.2
Water content		l	19	24.5	30	35.5
Water resistance at Δt = 20 K		mbar	1.5	2.4	3.4	4.7
Flue gas circuit volume		l	31	41	51	61
Combustion chamber	Inscribed Ø	mm	240	240	240	240
	Depth	mm	308	435	562	689
	Volume	l	16	21	26	31
Flue gas mass flow rate	- domestic fuel oil	kg/h	48	60	73	88
	- natural gas	kg/h	50	62	75	90
Flue gas circuit resistance		mbar	0.25	0.35	0.47	0.40
Flue gas temperature		°C	< 200	< 200	< 200	< 210
Draught at the nozzle		mbar	0.15	0.20	0.22	0.22
Net weight		kg	146	174	202	230

Values at nominal output and CO_2 = 12% with domestic fuel oil and 9% with natural gas.

Model	GT	123	124	125	126
GT 120 X	Ref.	85759008	85759009	85759010	85759011
GT 120 B	Ref.	100001680	100001681	100001682	100001683
GT 120 D	Ref.	100001692	100001693	100001694	100001695

FOR BOILER OPTIONS: see page 112, **HYDRAULIC MODULES:** see chapter 17, **BURNERS:** see chapter 16

FROM 13.8 TO 40.4 MCAL/H
FROM 16 TO 47 KW
for chimney connection

GT 1200

Boilers to be fitted with a fuel oil / gas burner, for heating and DHW

- 160 litre or 250 litre DHW calorifier placed under the boiler with protection by **"Titan Active System"** (anode without consumption of material)
- Boiler/tank connecting pipes included as are DHW pump antithermosiphon valve
- DHW sensor delivered

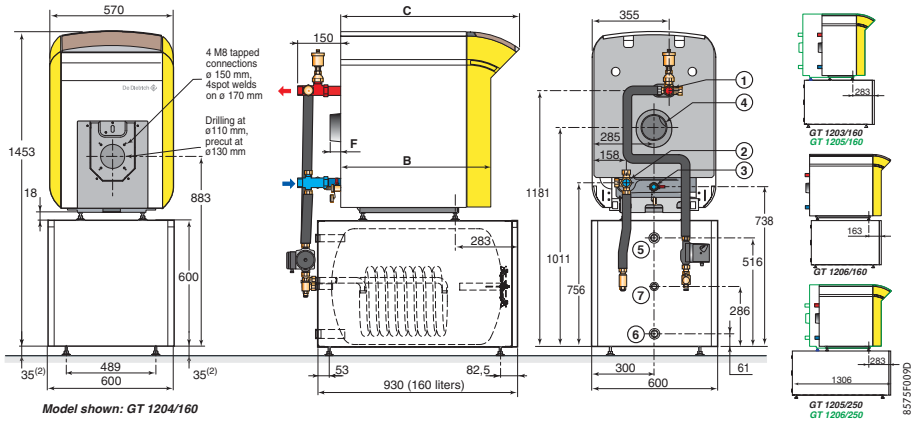
- Packaging: 5 packages

Protection of DHW calorifier by "Titan Active System®"

MAIN DIMENSIONS (mm and inches)

① Heating flow G1
② Heating return G1
③ Filling and drain tap - connection for pipe int. Ø 14 mm
④ Flue gas nozzle Ø D
⑤ DHW outlet. G1
⑥ DCW inlet G1
⑦ DHW return loop G 3/4 (optional)

(2) Feet adjustable from 35 to 45 mm.
R: Threading
G: External cylindrical threading (watertightness by flat gasket)



Model shown: GT 1204/160

GT	B (mm)	C (mm)	ø D (mm)	F (mm)
1203/L 160	565	685	125	50
1204/L 160	692	812	125	50
1205/L 160-250	819	939	125	50
1206/L 160-250	946	1066	153	99

TECHNICAL SPECIFICATIONS DOMESTIC HOT WATER (boilers see opposite)

- Max. operating temperature: 70°C
- Max. operating pressure: 10 bar

Boiler type	GT	1203/L 160	1204/L 160	1205/L 160	1206/L 160	1205/L 250	1206/L 250
Useful output	kW	16-26	26-33	33-40	40-47	33-40	40-47
Nominal input	kW	17.8-28.9	28.9-36.7	36.7-44.4	44.4-52.2	36.7-44.4	44.4-52.2
DHW calorifier capacity	l	160	160	160	160	250	250
Exchanged power	kW	26	28	28	28	36	36
Flow per hour at $\Delta t = 35$ K	l/h	640	690	690	690	885	885
Specific rate at $\Delta t = 30$ K	l/min	20.5	20.5	20.5	20.5	30	30
Flow over 10 min. at $\Delta t = 30$ K	l/10 min.	255	255	255	255	385	385
Number of dwellings	Nl	2.6	2.6	2.6	2.6	5.5	5.5
Net weight	kg	246	274	302	330	332	360

DHW performances at room temperature: 20°C, cold water temp.: 10°C, hot water temp.: 45°C, primary hot water temp.: 80°C, DHW storage temp.: 60°C

Model	GT	1203/L 160	1204/L 160	1205/L 160	1206/L 160	1205/L 250	1206/L 250
GT 1200 B	Ref.	100001735	100001736	100001737	100001739	100001738	100001740
GT 1200 D	Ref.	100001753	100001754	100001755	100001757	100001756	100001758

FOR BOILER OPTIONS: see page 112, **HYDRAULIC MODULES:** see chapter 17, **BURNERS:** see chapter 16

OPTIONS AND EXAMPLE OF INSTALLATION
FOR GT/GTU 120/1200...

ALL OPTIONS EXCEPT CONTROL UNITS OPTIONS

DHW PRODUCTION	PACKAGE	REF.
➪ **for GT/GTU 120**		
- with independent 160 or 250 litre calorifier located under the boiler see models GT/GTU 1200		p. 107, 109 and 111
- with 130 litre calorifier integrated under the casing see models GTU 1200 V		p. 107, 109
- with BP or BL independent calorifier:		see chapter 19
- with solar calorifier:		see chapter 1
DHW temperature sensor	AD 212	100000030
Connecting kit: BP/BL, UNO/2, DUO/2 and TRIO	EA 116	100007834

DHW PRODUCTION	PACKAGE	REF.
➪ **for GT/GTU 1200**		
G in R connection kit (1" and 3/4")	BH 84	89557009
Magnesium anode kit	EA 103	100000492
Electrical resistance 2400 W (1)	BH 76	89557003
(1) The tank is then protected by the magnesium anode included in this package		

BH 76

EA 116

CONTROL UNITS OPTIONS

➪ CHOICE OF OPTIONS ACCORDING TO THE CONTROL PANEL TYPE AND THE CONNECTED CIRCUITS

Control panel		DHW	direct	2 x direct	with valve	direct + with valve	2 x with valve	direct + 2 x with valve
X	GT 120	no	as standard	no	no	no	no	no
B	GT/GTU 120	AD 212	as standard	+ 2 x AD 140, 137 or 200	no	no	no	no
	GT/GTU 1200 GTU 1200 V	as standard	as standard	+ 2 x AD 140, 137 or 200	no	no	no	no
D (1) (2)	GT/GTU 120	AD 212	as standard	1 x FM 48	1 x FM 48	1 x FM 48	2 x FM 48	2 x FM 48
	GT/GTU 1200 GT/GTU 1200 V	as standard	as standard	1 x FM 48	1 x FM 48	1 x FM 48	2 x FM 48	2 x FM 48

➪ CONTROL UNITS	PACKAGE	REF.
➪ **for X and B control panel**		
Roomthermostat		
- non programmable	AD 140	88017859
- programmable (wire)	AD 137	88017855
- programmable (wireless)	AD 200	88017018
- DHW temperature sensor (only B control panel)	AD 212	100000030

(1) Each of the circuits "heating" can be completed in choice by a remote control FM 51, FM 161/162 or FM 52.
(2) Cascade by 2 boilers possible with a BUS cable AD 134 for D (DIEMATIC 3) control panel. With more than 2 and up to 10 boilers, it is necessary to incorporate one additional AD 217 PCB per boiler

	PACKAGE	REF.
➪ **for D** (DIEMATIC 3) **control panel**		
PCB + sensor for 1 circuit with mixing valve	FM 48	85757743
Interactive remote control CDI 2	FM 51	85757746
Inter. remote radio control CDR 2 (with radio transmitter)	FM 161	100004636
Additional CDR 2 module (without radio transmitter)	FM 162	100004637
Simplified remote control with room sensor	FM 52	85757747
BUS cable connection 12 m	AD 134	88017851
DHW temperature sensor	AD 212	100000030
Radio outside temperature sensor	AD 241	100010960
Boiler radio module (radio transmitter)	AD 242	100010961
Set of sensors for storage tank	AD 160	88017887
Flue gas temperature sensor (except... FF)	FM 47	85757742
2 stage/modulating/3 WV PCB	AD 217	100004294

Example of installation

GTU 1200 D
- 1 direct circuit (without mixing valve)
- 1 underfloor heating circuit (with mixing valve)

DESCRIPTION	PACKAGE	REF.
GTU 1204 S/L 160 D	-	100001791
PCB + sensor for a mixing valve	FM 48	85757743
Options		
- Interactive remote control CDI 2	2 x FM 51	2 x 85757746
- Hydraulic module with 3-stage circulator pump		
• for 1 direct circuit	EA61	89997016
• for 1 circuit with mixing valve	EA63	89997018
- Insulated collector for 2 hydraulic modules	EA 59	89997014
- Connecting pipe boiler/module	EA 101	89997061
- Set of wall consoles for hydraulic module	EA 74	89997029
- Hydraulic safety kit	EA 47	89997002