jeremias®
CHIMNEY SYSTEMS

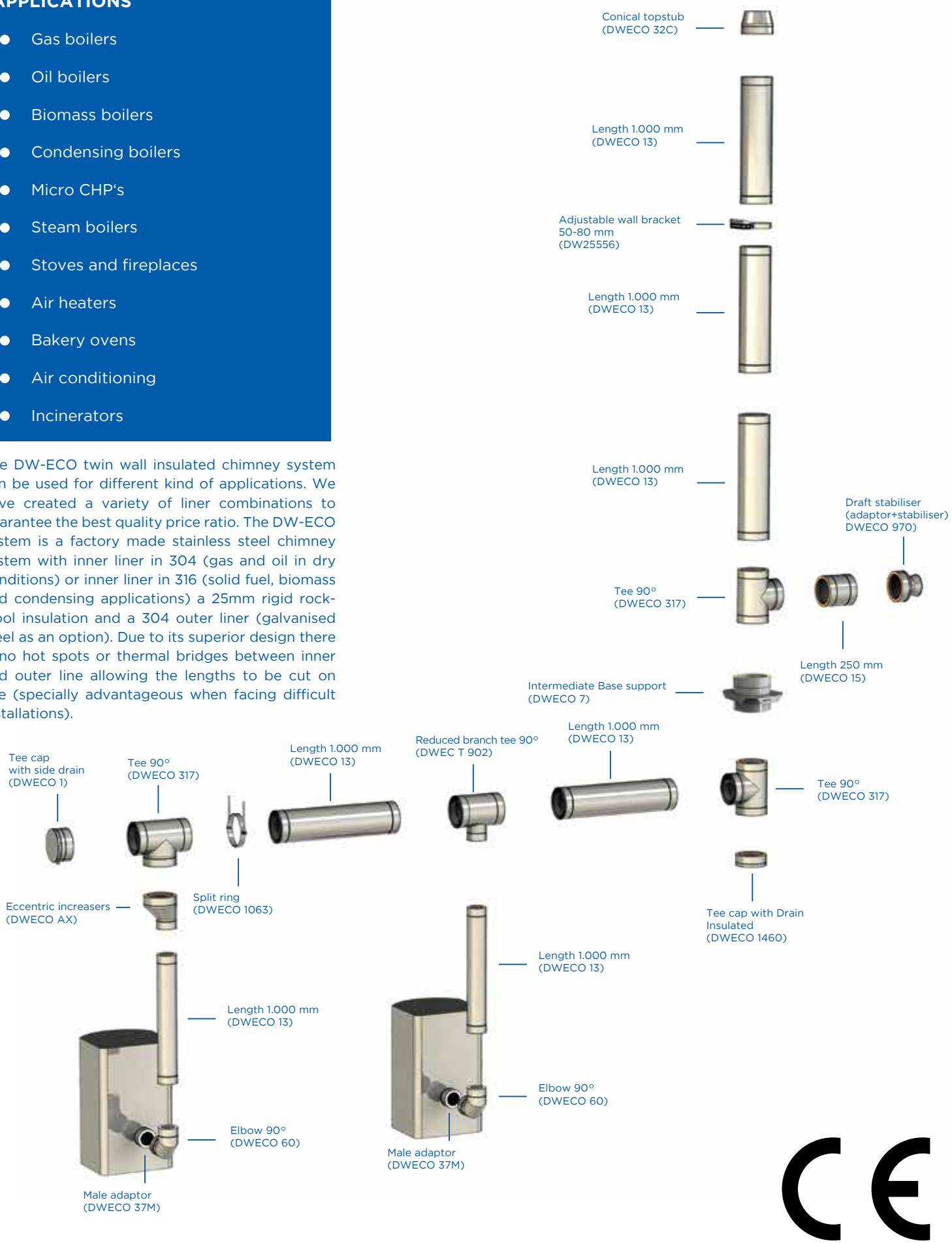
DW ECO 2.0

Twin wall insulated chimney systems

APPLICATIONS

- Gas boilers
- Oil boilers
- Biomass boilers
- Condensing boilers
- Micro CHP's
- Steam boilers
- Stoves and fireplaces
- Air heaters
- Bakery ovens
- Air conditioning
- Incinerators

The DW-ECO twin wall insulated chimney system can be used for different kind of applications. We have created a variety of liner combinations to guarantee the best quality price ratio. The DW-ECO system is a factory made stainless steel chimney system with inner liner in 304 (gas and oil in dry conditions) or inner liner in 316 (solid fuel, biomass and condensing applications) a 25mm rigid rock-wool insulation and a 304 outer liner (galvanised steel as an option). Due to its superior design there is no hot spots or thermal bridges between inner and outer line allowing the lengths to be cut on site (specially advantageous when facing difficult installations).

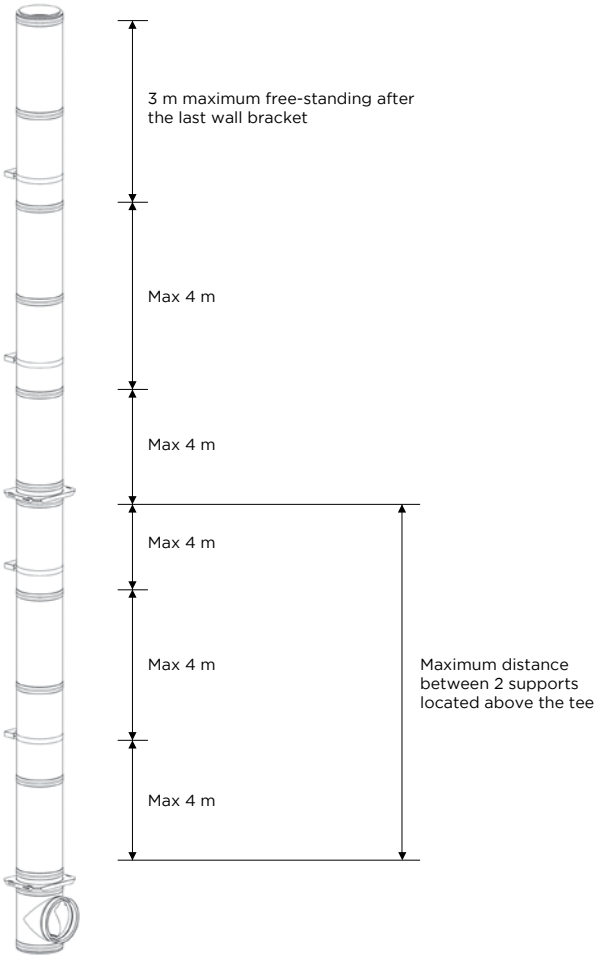


	Natural gas	Oil	Solid fuels	Condensations	Wet conditions	Temperature (°C)	Inside material	Outer material	Material thickness Inside (mm.)	N=natural draught P=pressure H=high pressures	Soot fire resistance
DW-ECO 2.0 304	✓	✓	-	-	-	600	AISI 304	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	✓
	✓	✓	-	-	-	450	AISI 304	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	✓
	✓	✓	-	-	✓	400	AISI 304	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	-
	✓	✓	-	-	✓	200	AISI 304	AISI 304	0.4 - 0.5 - 0.6 by Ø	H	-
DW-ECO 2.0 316	✓	✓	✓	-	-	600	AISI 316L	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	✓
	✓	✓	✓	-	-	450	AISI 316L	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	✓
	✓	✓	-	-	✓	400	AISI 316L	AISI 304	0.4 - 0.5 - 0.6 by Ø	N	-
	✓	✓	-	✓	✓	200	AISI 316L	AISI 304	0.4 - 0.5 - 0.6 by Ø	H	-

WEIGHTS AND HEIGHTS BETWEEN SUPPORTS

In the next tables are shown the approximate weights in linear meters of duct in each model and system, as well as the maximum heights between supports depending on the diameter for vertical installations. At the base, it is necessary to install a wall support (above the tee connection if possible).

Also, in horizontal installations, the recommended distance between brackets is 2 m. In vertical installations, the distance between wall brackets should be 4 m maximum.



DWECO 2.0

Weights (kg)

	DW-ECO 2.0 304	DW-ECO 2.0 316
Ø 80	3,3	3,3
Ø 100	3,9	3,9
Ø 130	4,9	4,9
Ø 150	5,5	5,5
Ø 180	6,4	6,4
Ø 200	7,0	7,0
Ø 250	8,6	8,6
Ø 300	10,2	10,2
Ø 350	13,7	13,7
Ø 400	15,6	15,6
Ø 450	17,4	17,4
Ø 500	19,2	19,2
Ø 550	21,1	21,1
Ø 600	26,2	26,2
Ø 650	30,7	30,7
Ø 700	32,9	32,9
Ø 750	35,2	35,2
Ø 800	37,4	37,4

Heights (m)

	DW-ECO 2.0 304	DW-ECO 2.0 316
Ø 80	50	50
Ø 100	50	50
Ø 130	50	50
Ø 150	45	45
Ø 180	39	39
Ø 200	36	36
Ø 250	29	29
Ø 300	25	25
Ø 350	18	18
Ø 400	16	16
Ø 450	14	14
Ø 500	13	13
Ø 550	12	12
Ø 600	10	10
Ø 650	8	8
Ø 700	8	8
Ø 750	7	7
Ø 800	7	7

System
DW - ECO 2.0 316

DESCRIPTION
Factory-made twin wall insulated chimney system made in stainless steel AISI 316 in the inner liner and AISI 304 outer liner

MATERIAL
Inner wall: AISI 316L (AISI 304 on request = DW-ECO 2.0 304)
Outer wall: AISI 304 (AISI 316L or galvanised steel on request)

FINISHING
Standard: Bright annealed (BA)
RAL colours (Check prices)

INSULATION
High density rock wool (120kg/m³)

WALL THICKNESS (mm)
Inner wall: : 0,4 – 0,5 – 0,6 (depending on the diameter/request)
Insulation: 25 mm (32 mm a partir de Ø650 mm)
Pared Outer wall: 0,4 – 0,5 – 0,6 (depending on the diameter)

AVAILABLE DIAMETERS (mm)
80 – 100 – 130 – 150 – 180 – 200 – 250 – 300 – 350 – 400 – 450 – 500 – 550 – 600 – 650 – 700 – 750 – 800

CONNECTION
Male-female push fit connection secured by **locking band included (2.0)**

TIGHTNESS
T--- -N1: No need of joint.
T120 - H1: Include condensing joint seal (DW2526CØ). To get the joint preinstalled substitute the 661 sistem code to D15*.
T200 - H1: Include sealing joint (DW2526Ø). To get the joint preinstalled substitute the 661 sistem code to D01*.

APPLICATIONS
- Pressure Jet and high Efficiency Boilers
- Condensing boilers
- Micro CHP units
- Steam boilers
- Non-chloric chemical extractions
- Stoves / Fireplaces
- Bakery ovens / Incinerators

CHARACTERISTICS
- Working temperature up to 600 ºC (without joint seal)
- Continuous **TIG/LASER welding** in all items
- Locking band included (except terminals)
- **Lengths can be cut onsite** (Check page 41)
- **In condensing applications the condensing joint (DW2526C) is compulsory and a minimum slope of 3° should be applied in horizontal runs (T<120°C).**
- 5.000 Pa with silicone seals

CE MARK NUMBER
0036 CPR 9174 030

CE CLASSIFICATIONS (EN 1856-1)
T600 – N1 – D – V3 – L50040 – G(70)
T450 – N1 – D – V3 – L50040 – G(70)
T400 – N1 – W – V2 – L50040 – O(30)
T200 – H1 – W – V2 – L50040 – O(20)
T120 - H1 - W - V2 - L50040 - O(20)

* To get the prices of the ranges with preinstalled joints just add the price of the jpoint to the price of the item.