TREATMENT PERFORMANCE RESULTS

Otto Graf GmbH
Carl-Zeiss-Str. 2-6, 79331 Teningen

EN 12566-3 Annex B
Results corresponding to EN 12566-3 and S.R. 66

Test report PIA-SR66-1605-1061.02

one2clean
SBR plant in one two-zone polypropylene tank

Nominal organic daily load (influent)	0.27 kg BOD_5/d
Nominal hydraulic daily load	0.75 m^3/d
Material	Polypropylene
Watertightness	Pass
Structural behaviour (Pit Test)	Pass (also wet conditions)
Durability	Pass

Treatment efficiency (nominal sequences)

	Efficiency	Effluent
COD	94.2 %	43 mg/l
BOD_5	98.0 %	7 mg/l
NH_4-N	98.3 %	0.5 mg/l
SS	96.3 %	14 mg/l

Electrical consumption	0.63 kWh/d
Number of desludging	Not more than once

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenrather Weg 30
52074 Aachen, Germany

This document replaces neither the declaration of performance nor the CE marking.

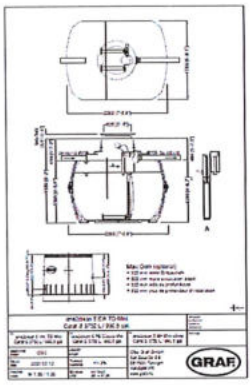
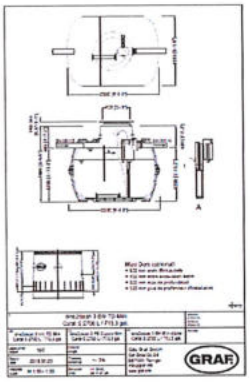
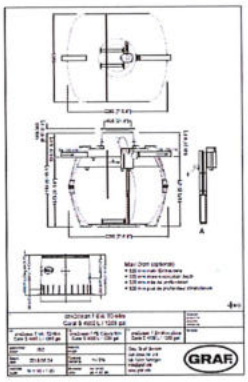
Notified Body No.: 1739

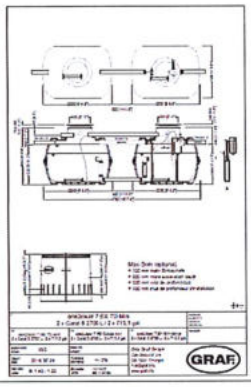
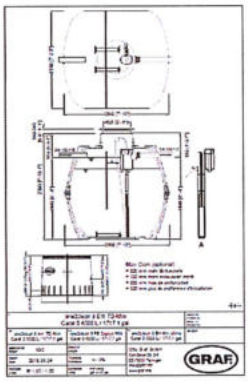
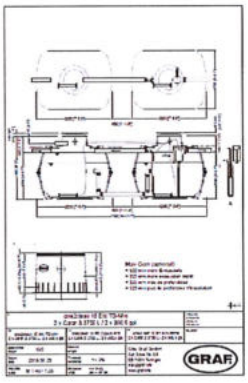
Certified according to ISO 9001:2015

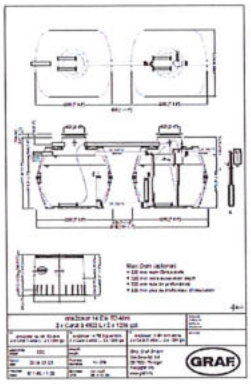
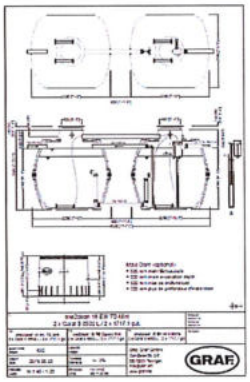
PIA - Sustainable Certification
geprüft - tested - testé

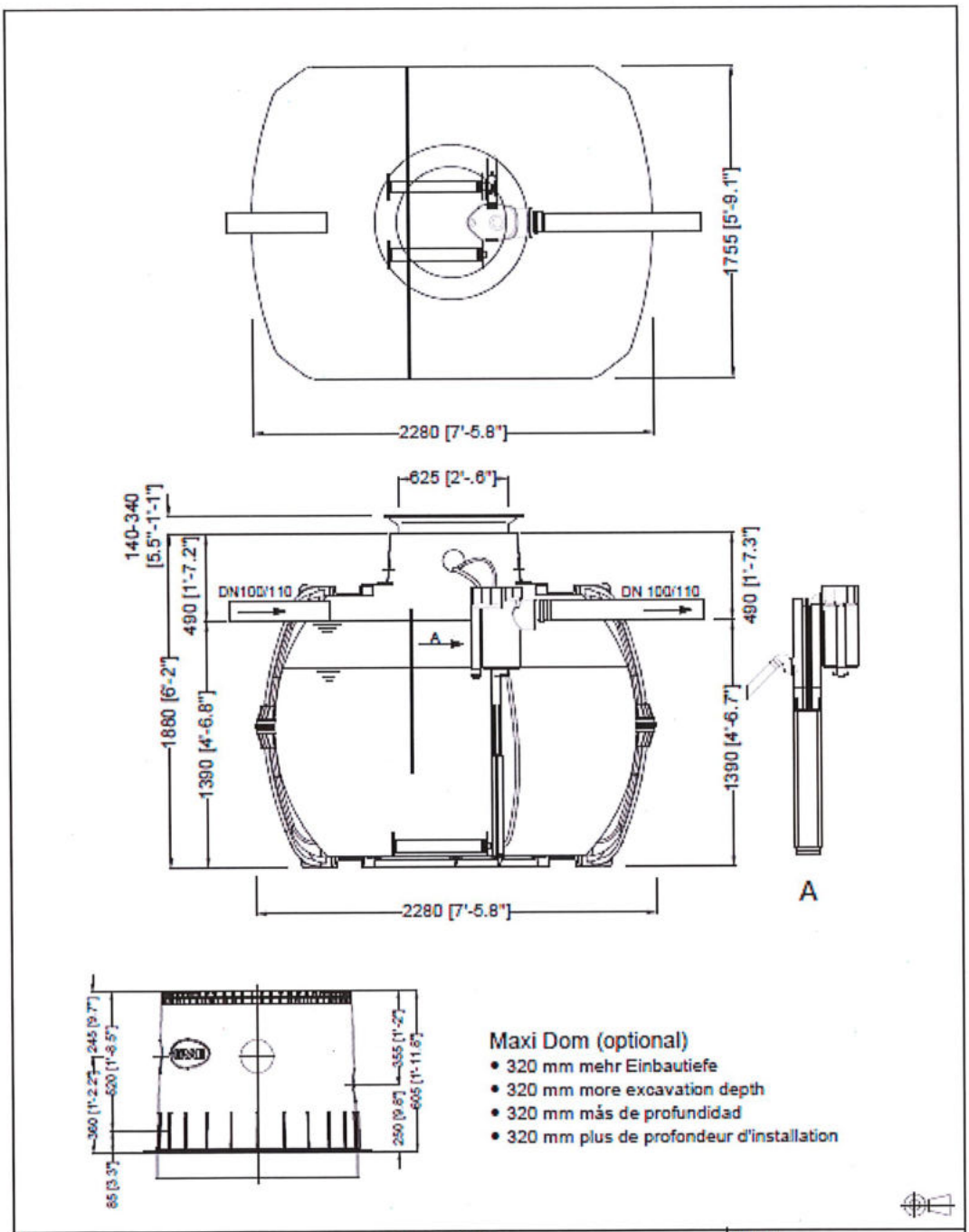
M. Wermter / D. Schmitz February 2022

One2clean range and its referring test reports:

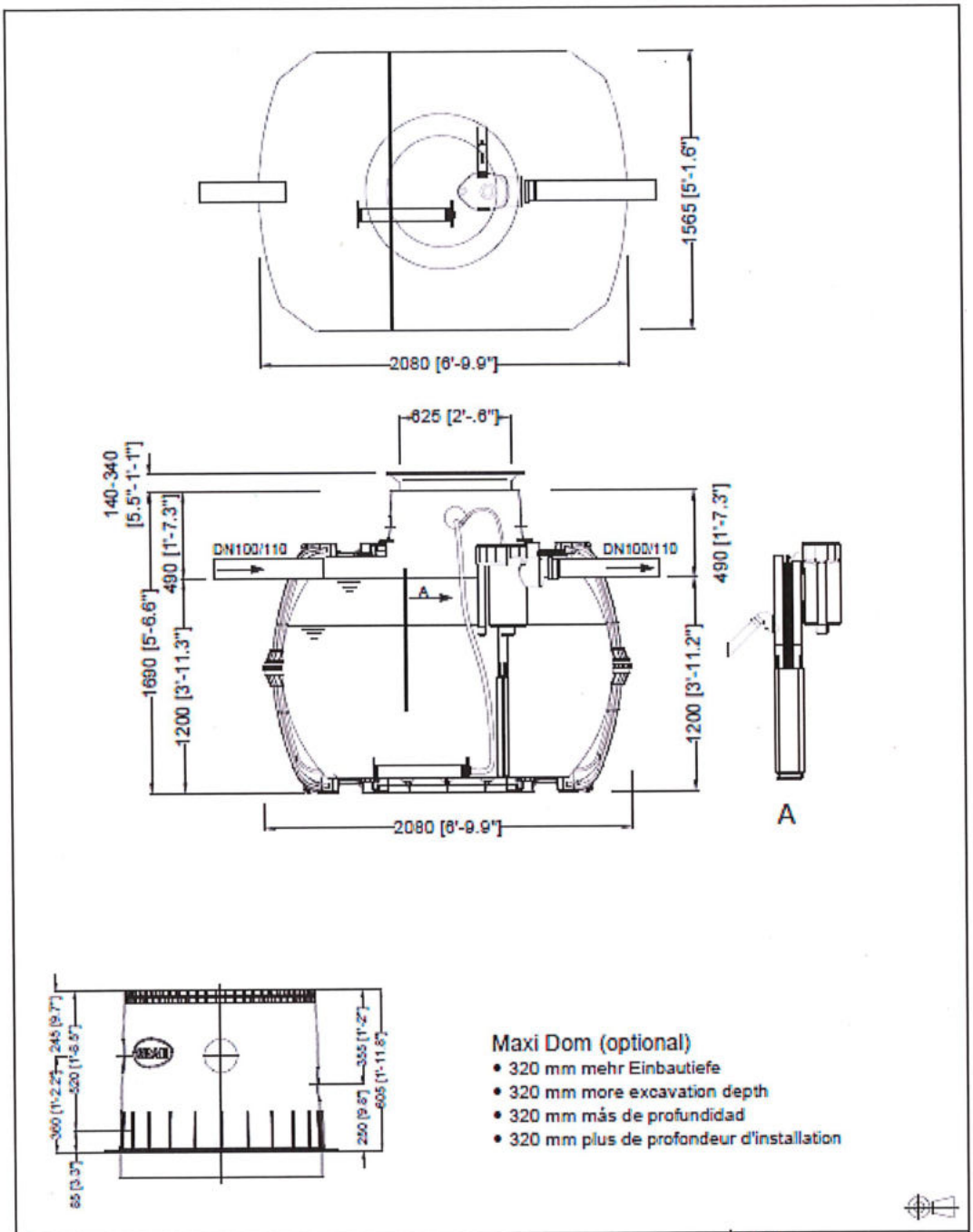
Population Equation (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial type test (ITT) 5		Pass PIA2021-WD-2101-1002.03	Pass PIA2014-216B14.01	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02
3		Pass PIA2021-WD-2101-1002.03	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02
7		Pass PIA2021-WD-2101-1002.03	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02

Population Equation (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
7		Pass PIA2021-WD-2101-1002.03	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02
9		Pass PIA2016-WD-1509-1050.02	Pass Range conformity according to S.R. 66:2015	Pass PIA2016-ST-PIT-1509-1050.02 For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02
10		Pass PIA2021-WD-2101-1002.03	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02

Population Equation (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
14		Pass PIA2021-WD-2101-1002.03	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02
18		Pass PIA2016-WD-1509-1050.02	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.75 m from inlet invert	Pass PIA2016-DH-1509-1050.02



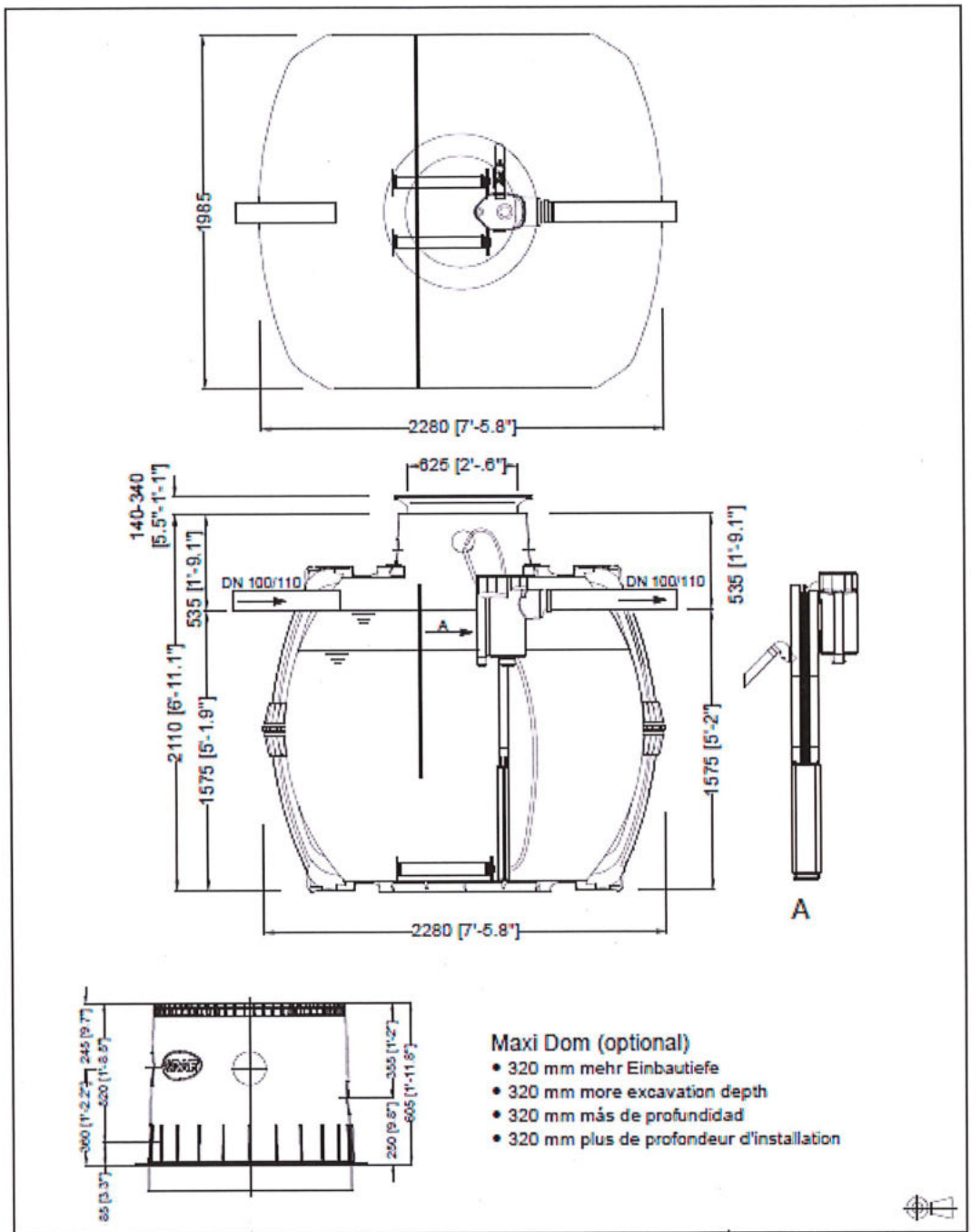
D: one2clean 5 EW TD-Mini Carat S 3750 L / 990,6 gal.			Artikel-Nr. product no. article no. artículo no.
CB: one2clean 5 Inh. TD-Mini Carat S 3750 L / 990,6 gal.	ES: one2clean 5 PE Cúpula Mini Carat S 3750 L / 990,6 gal.	FR: one2clean 5 EH Mini-dôme Carat S 3750 L / 990,6 gal.	revision
gezeichnet / drawn: CSC	Gewicht / weight	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	GRAF
Datum / date: 2020.02.12	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:30 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



Maxi Dom (optional)

- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

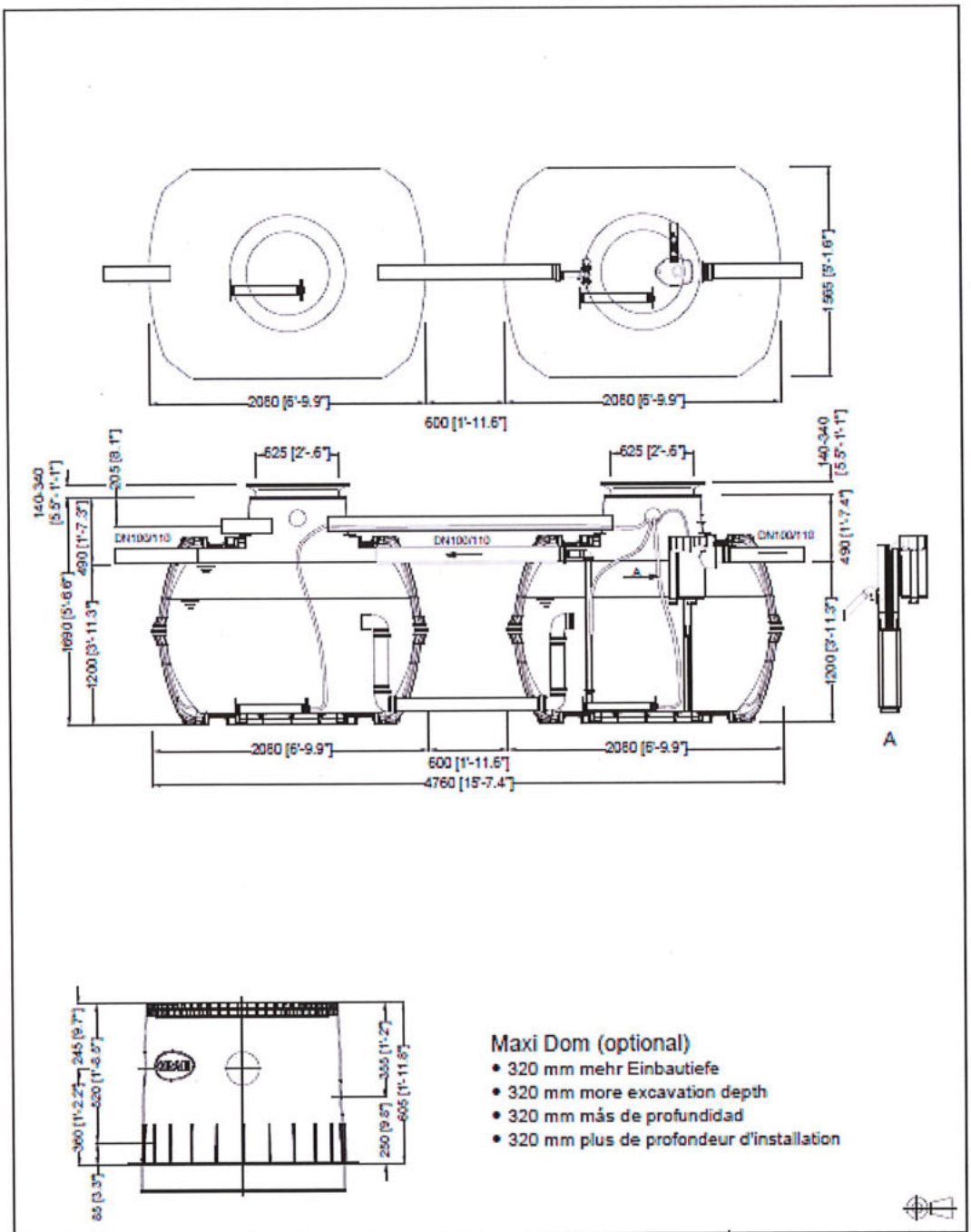
D	one2clean 3 EW TD-Mini Carat S 2700 L / 713,3 gal.		Artikel-Nr. product no. article no. artículo no.
GB one2clean 3 Inh. TD-Mini Carat S 2700 L / 713,3 gal.	ES one2clean 3 PE Cúpula Mini Carat S 2700 L / 713,3 gal.	FR one2clean 3 EH Mini-dôme Carat S 2700 L / 713,3 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight:	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	
Datum / date: 2018.05.23	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:30 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



Maxi Dom (optional)

- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

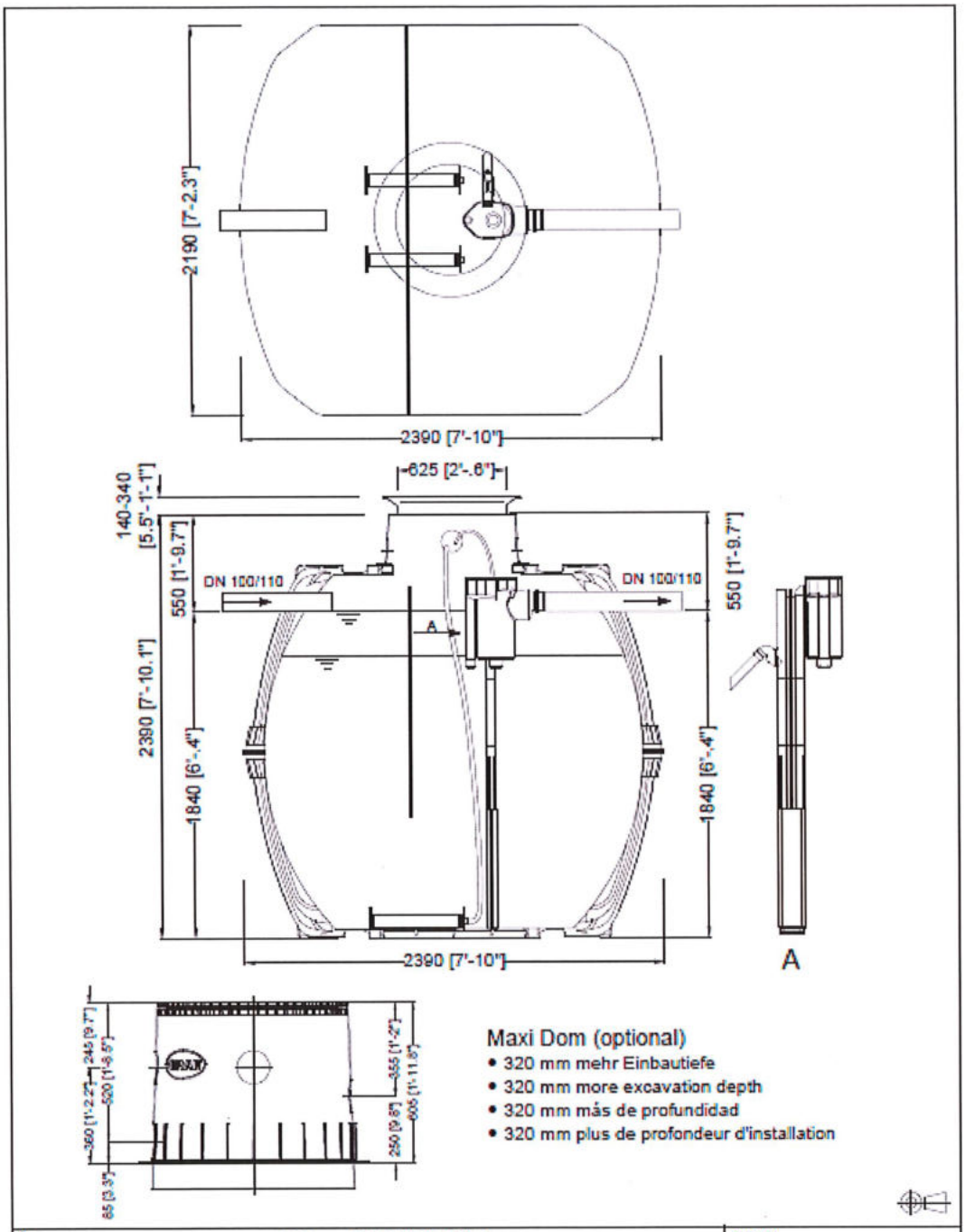
D: one2clean 7 EW TD-Mini Carat S 4800 L / 1268 gal.			Artikel-Nr. product no. artículo no.
GB: one2clean 7 Inh. TD-Mini Carat S 4800 L / 1268 gal.	ES: one2clean 7 PE Cúpula Mini Carat S 4800 L / 1268 gal.	FR: one2clean 7 EH Mini-dôme Carat S 4800 L / 1268 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	
Datum / date: 2018.05.24	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:30 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



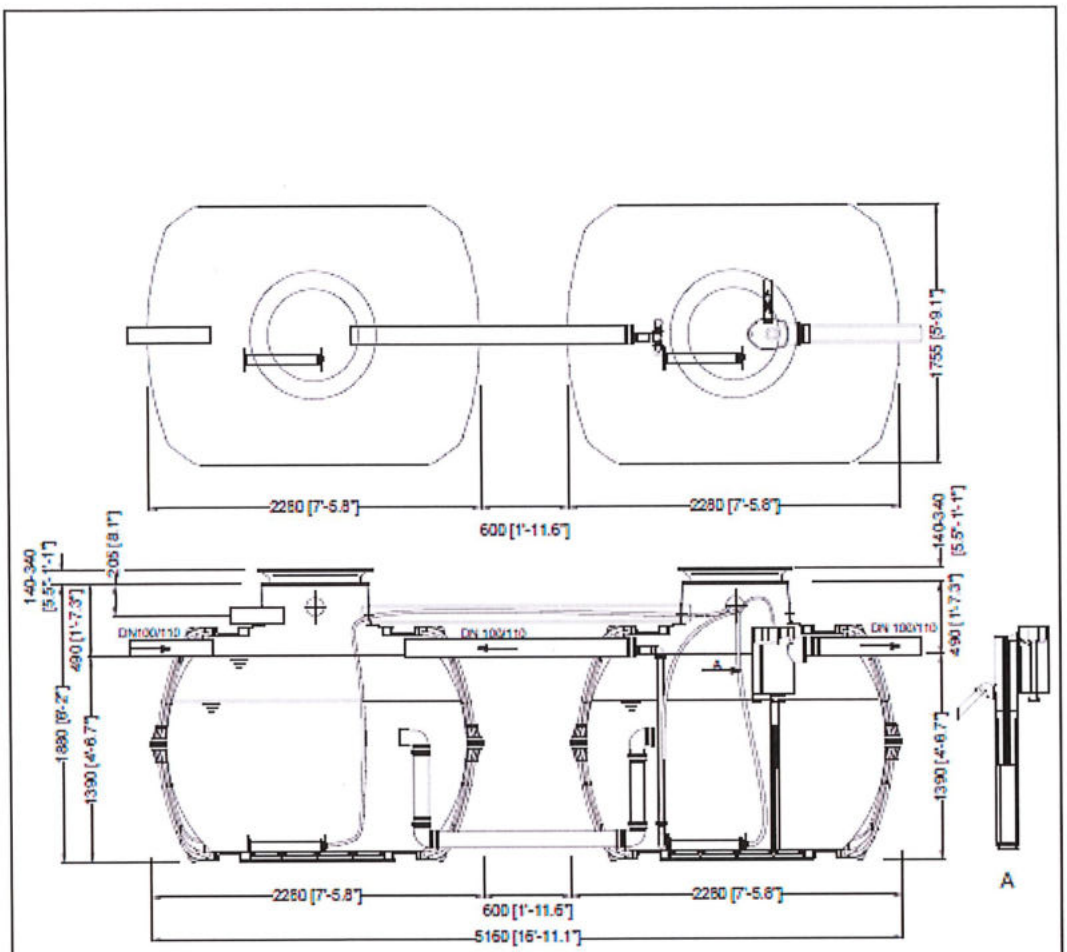
Maxi Dom (optional)

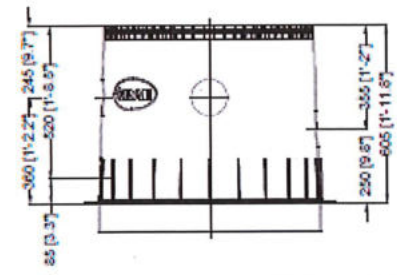
- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

D: one2clean 7 EW TD-Mini 2 x Carat S 2700 L / 2 x 713,3 gal.			Artikel-Nr. product no. article no. artículo no.
GB: one2clean 7 Inh. TD-Mini 2 x Carat S 2700 L / 2 x 713,3 gal.	ES: one2clean 7 PE Cúpula Mini 2 x Carat S 2700 L / 2 x 713,3 gal.	FR: one2clean 7 EH Mini-dôme 2 x Carat S 2700 L / 2 x 713,3 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	GRAF
Datum / date: 2018.05.24	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:40 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



D	one2clean 9 EW TD-Mini Carat S 6500 L / 1717,1 gal.		Artikel-Nr. product no. article no. artículo no.
GB one2clean 9 Inh. TD-Mini Carat S 6500 L / 1717,1 gal.	ES one2clean 9 PE Cúpula Mini Carat S 6500 L / 1717,1 gal.	FR one2clean 9 EH Mini-dôme Carat S 6500 L / 1717,1 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight:	Otto Graf GmbH Carl-Zeiss-Str. 2-5 DE-79331 Teningen mail@graf.info www.graf.info	GRAF
Datum / date: 2018.05.24	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:30 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		

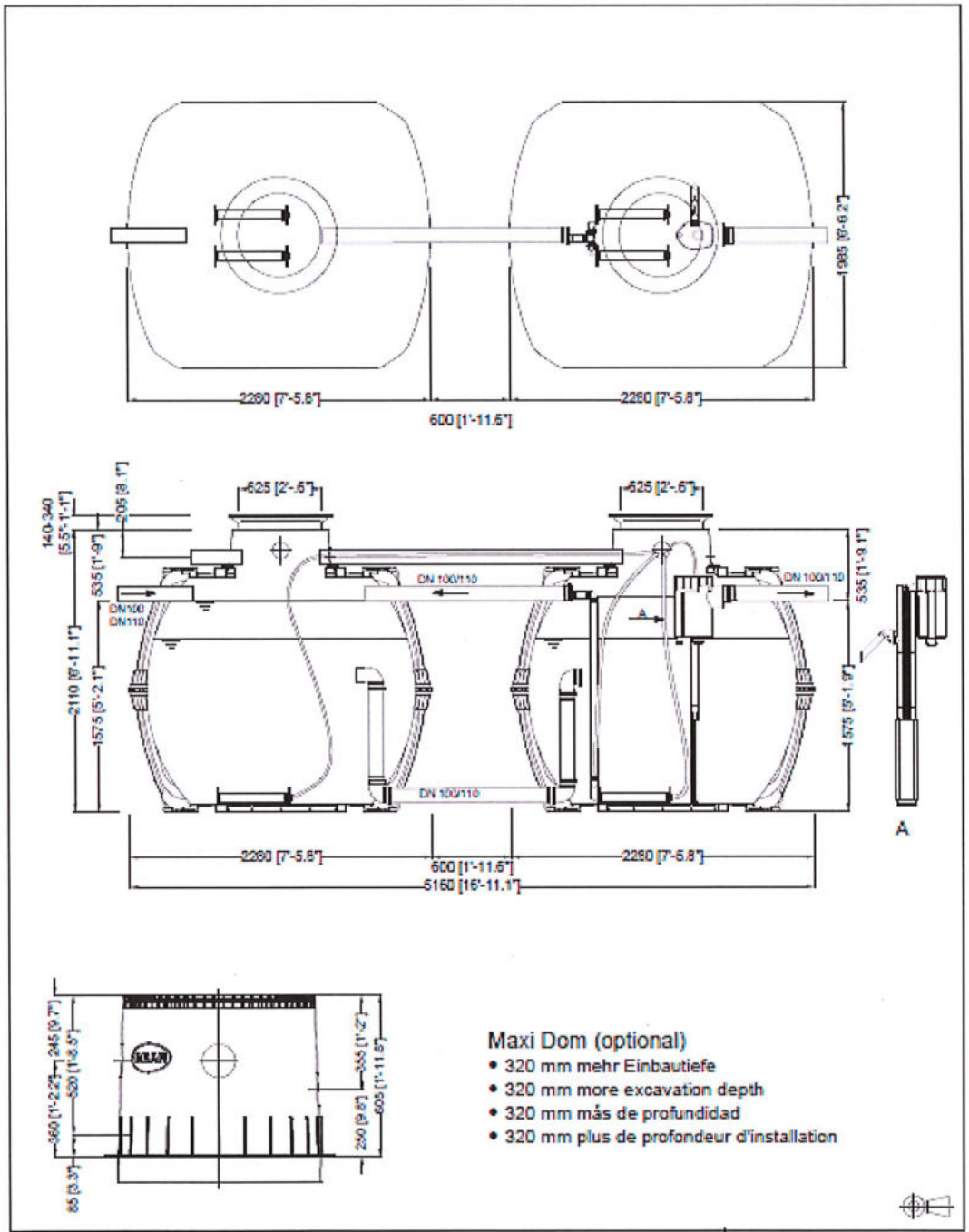




Maxi Dom (optional)

- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

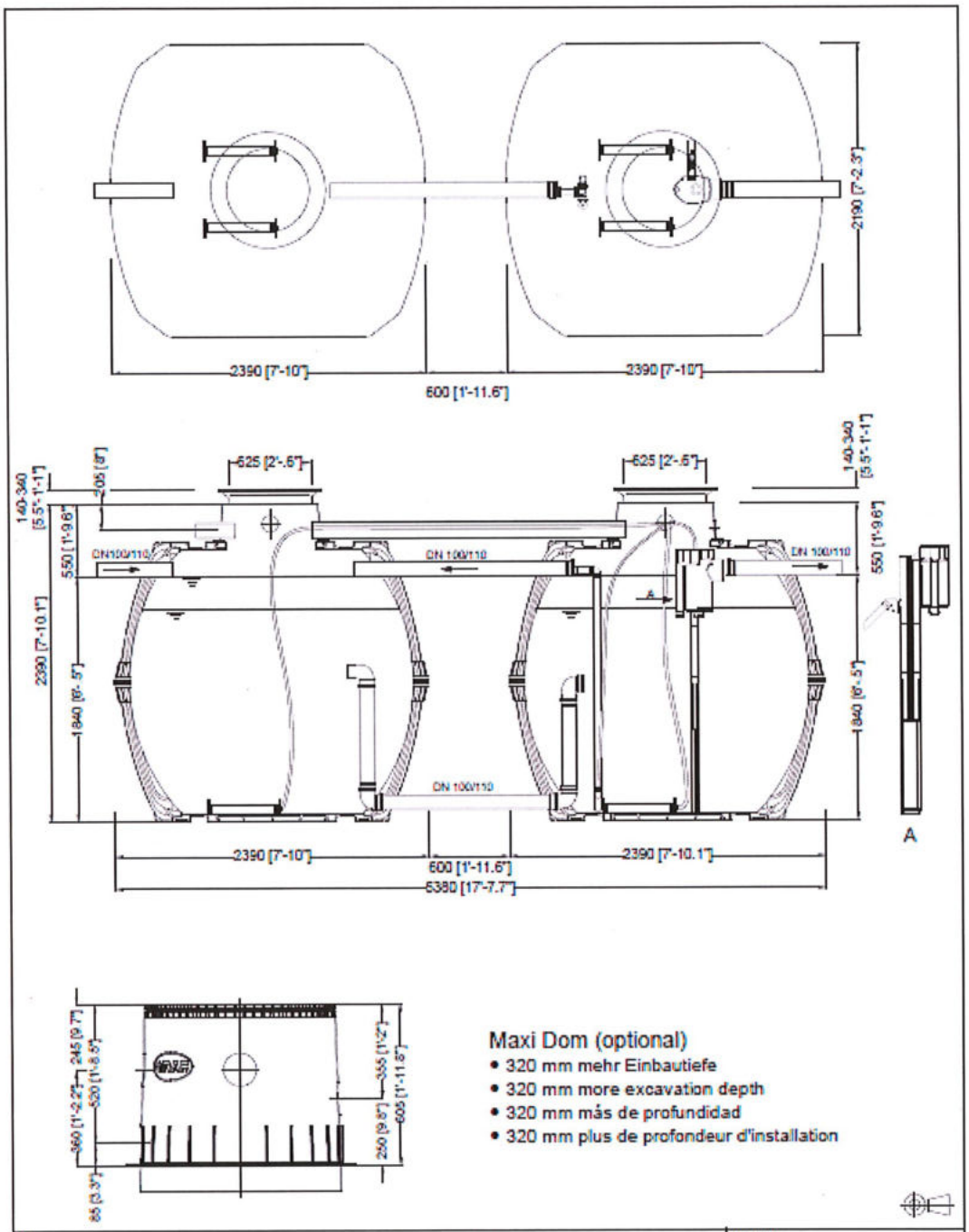
D: one2clean 10 EW TD-Mini 2 x Carat S 3750 L / 2 x 990,6 gal.			Artikel-Nr. product no. article no. artículo no.
GB: one2clean 10 Inh. TD-Mini 2 x Carat S 3750 L / 2 x 990,6 gal.	ES: one2clean 10 PE Cúpula Mini 2 x Carat S 3750 L / 2 x 990,6 gal.	FR: one2clean 10 EH Mini-dôme 2 x Carat S 3750 L / 2 x 990,6 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight:	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	GRAF
Datum / date: 2018.05.25	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:40 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



Maxi Dom (optional)

- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

D: one2clean 14 EW TD-Mini 2 x Carat S 4800 L / 2 x 1268 gal.			Artikel-Nr. product no. article no. artículo no.
GB: one2clean 14 Inh. TD-Mini 2 x Carat S 4800 L / 2 x 1268 gal.	ES: one2clean 14 PE Cúpula Mini 2 x Carat S 4800 L / 2 x 1268 gal.	FR: one2clean 14 EH Mini-dôme 2 x Carat S 4800 L / 2 x 1268 gal.	revision
gezeichnet / drawn: ISC	Gewicht / weight:	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	
Datum / date: 2018.05.25	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:40 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		



Maxi Dom (optional)

- 320 mm mehr Einbautiefe
- 320 mm more excavation depth
- 320 mm más de profundidad
- 320 mm plus de profondeur d'installation

D	one2clean 18 EW TD-Mini 2 x Carat S 6500 L / 2 x 1717,1 gal.		Artikel-Nr. product no. artículo no. article no.
GB one2clean 18 Inh. TD-Mini 2 x Carat S 6500 L / 2 x 1717,1 gal.	ES one2clean 18 PE Cúpula Mini 2 x Carat S 6500 L / 2 x 1717,1 gal.	FR one2clean 18 EH Mini-dôme 2 x Carat S 6500 L / 2 x 1717,1 gal	revision
gezeichnet / drawn: ISC	Gewicht / weight		
Datum / date: 2018.05.25	Toleranz / tolerance: +/- 3%		
Maßstab / scale: M 1:40 / 1:20	Einheiten / units: mm [inch] gal. = US gal.		

Otto Graf GmbH
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