



TREATMENT PERFORMANCE RESULTS

Otto Graf GmbH

Carl-Zeiss-Str. 2-6, 79331 Teningen, Germany

EN 12566-3 Annex B

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

Test report PIA-SR66-1602-1017.03

Klaro Easy

Sequential Batch Reactor (Initial type test)
in combination with Carat tanks

| | | | |
|--|-----------------------------|----------|----------|
| Nominal organic daily load (influent) | 0.30 kg BOD ₅ /d | | |
| Nominal hydraulic daily load | 1.20 m ³ /d | | |
| Material | Polypropylene | | |
| Watertightness | Pass | | |
| Structural behaviour (Pit Test) | Pass (also wet conditions) | | |
| Durability | Pass | | |
| Treatment efficiency (nominal sequences) | | | |
| | Efficiency | Effluent | |
| | COD | 92.3 % | 48 mg/l |
| | BOD ₅ | 97.5 % | 6 mg/l |
| | NH ₄ -N | 75.8 % | 8.3 mg/l |
| | SS | 96.7 % | 7 mg/l |
| Electrical consumption | 1.50 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



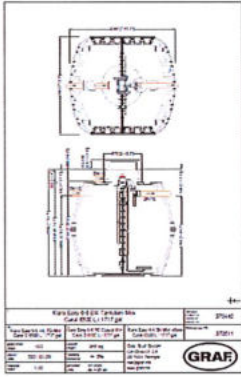
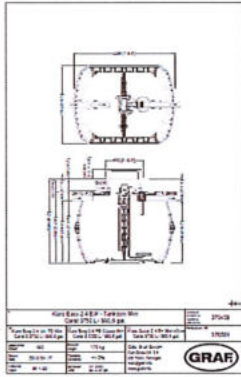
Certified according to
ISO 9001:2015

PIA - Sustainable Certification
M. Wermter
D. Schmitz
geprüft - tested - teste

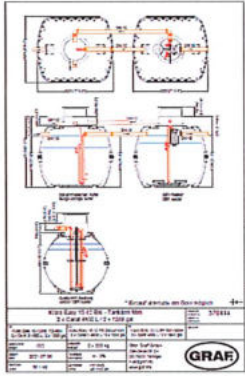
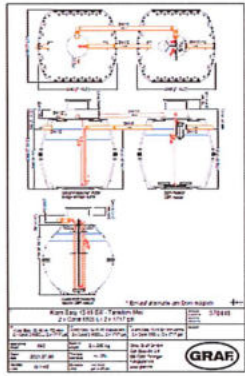
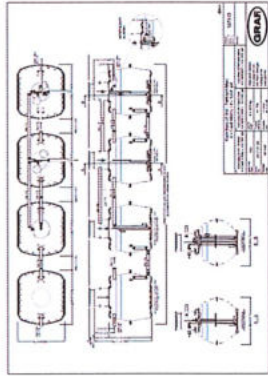
M. Wermter / D. Schmitz

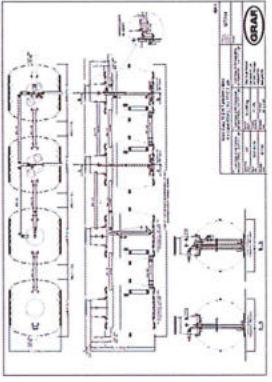
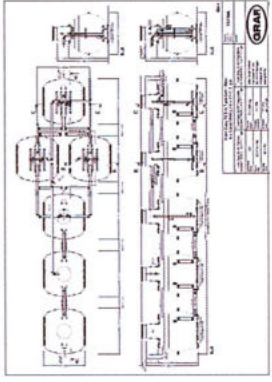
February 2022

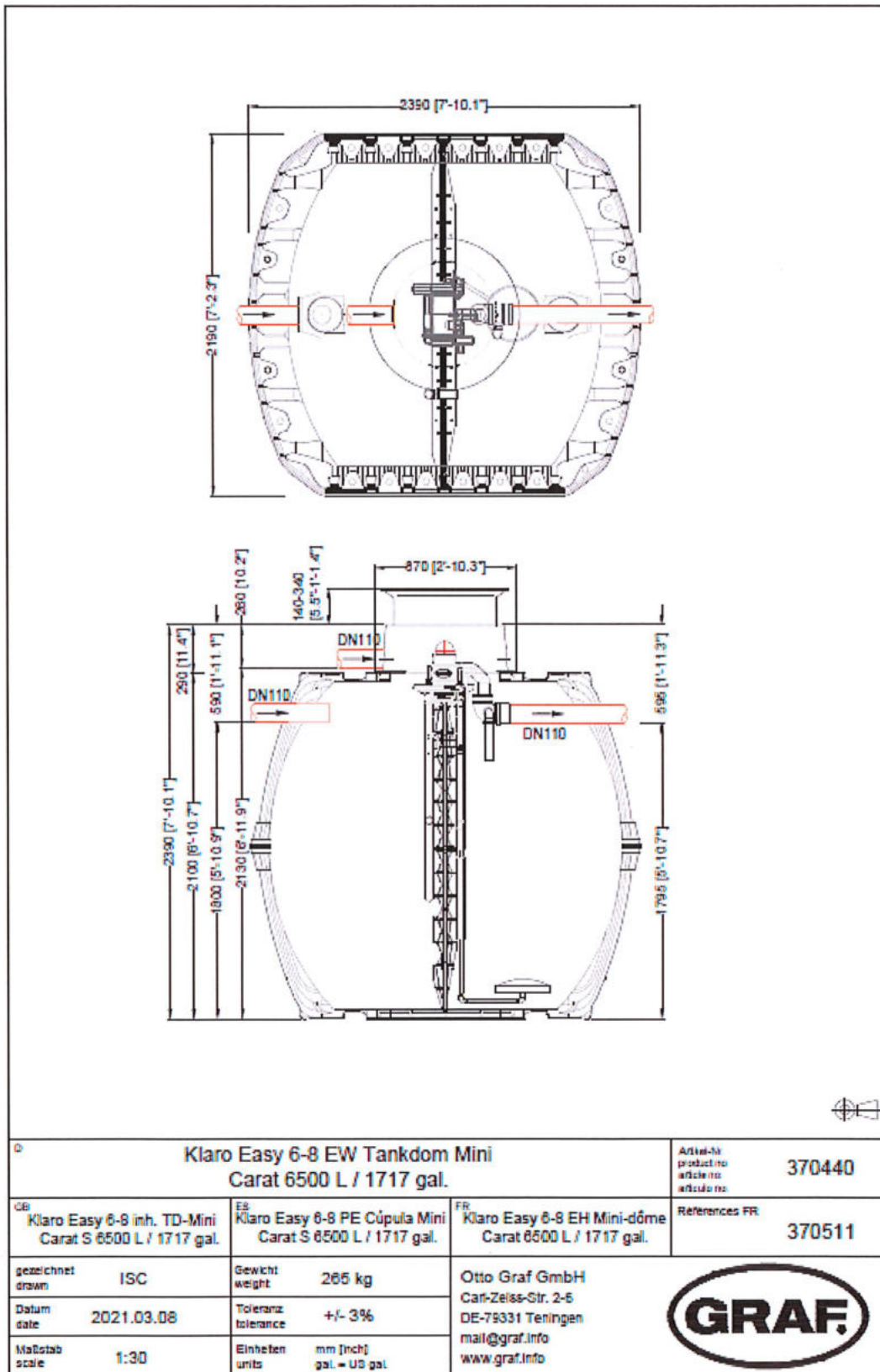
Klaro Easy range and its referring test reports:

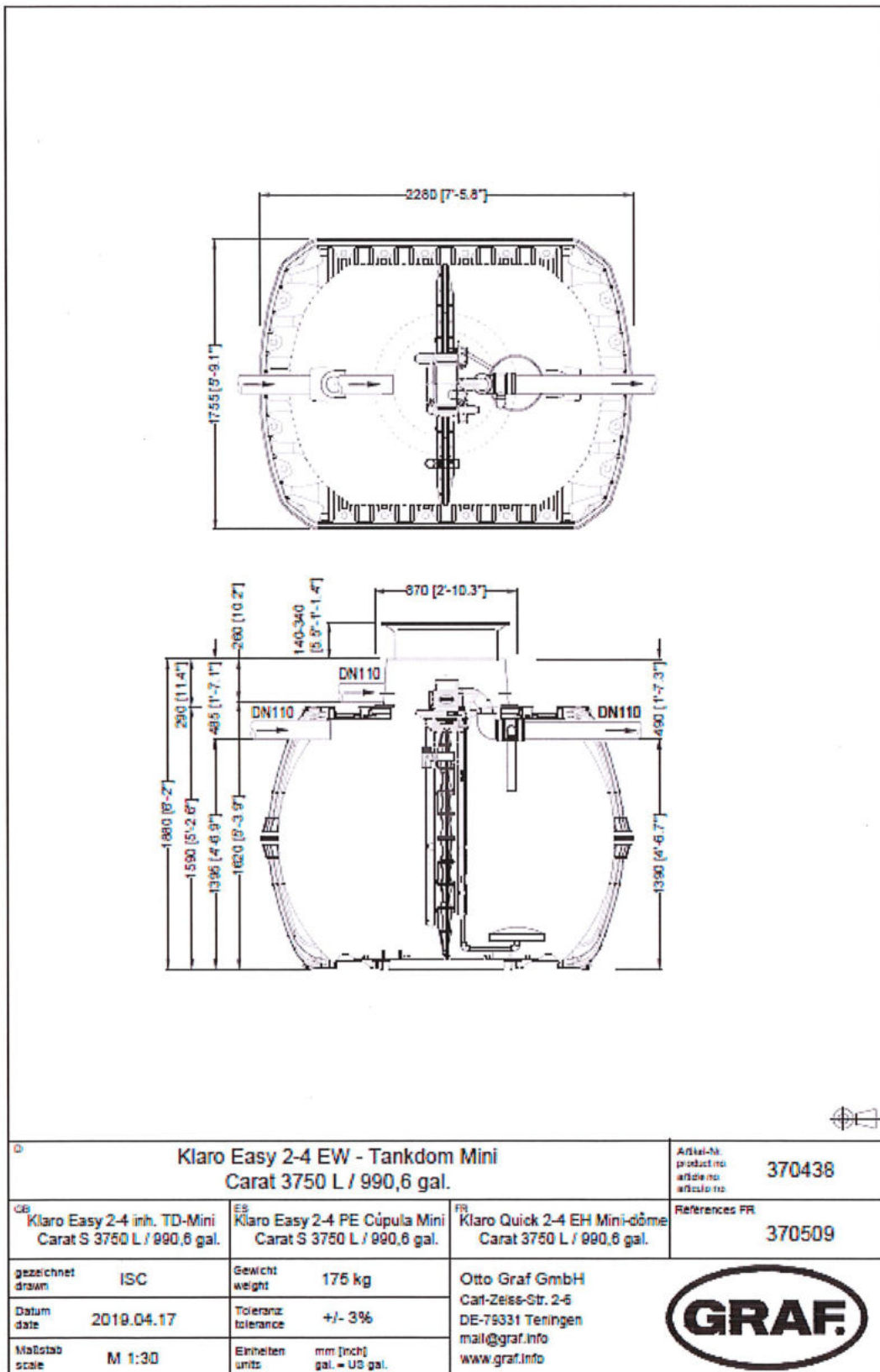
| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|------------------------------|---|-------------------------------------|---|--|---------------------------------|
| Initial Type Test (ITT) 8 | Not relevant | Not relevant | Pass PIA2007-020 | Not relevant | Not relevant |
| With ITT Compared Tank 8 |  | Pass PIA2016-WD-1509-1050.02 | Pass Shared ITT conformity check according to S.R. 66:2015 | Pass PIA2016-ST-PIT-1509-1050.02 For wet ground conditions also, 1.75 m installation depth from inlet invert | Pass PIA2016-DH-1509-1050.02 |
| 4 |  | Pass PIA2021-WD-2101-1002.03 | Pass Range conformity according to S.R. 66:2015 | Pass For wet ground conditions also, 1.75 m installation depth from inlet invert | Pass PIA2016-DH-1509-1050.02 |

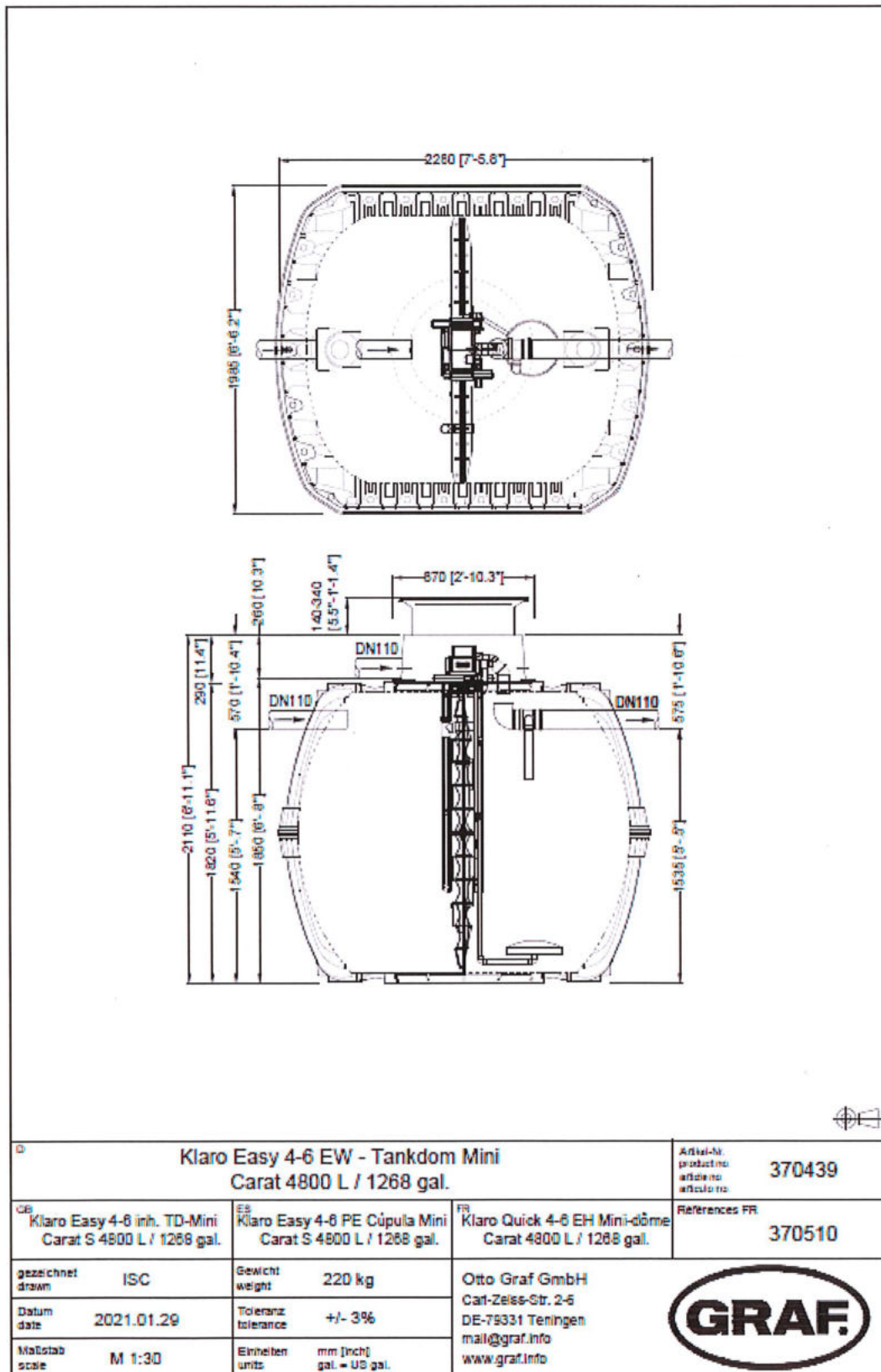
| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|----------------------------|-------------------------------|--|---|--|--|
| 6 | | <p>Pass</p> <p>PIA2021-WD-2101-1002.03</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |
| 8 | | <p>Pass</p> <p>PIA2021-WD-2101-1002.03</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |
| 10 | | <p>Pass</p> <p>PIA2021-WD-2101-1002.03</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |

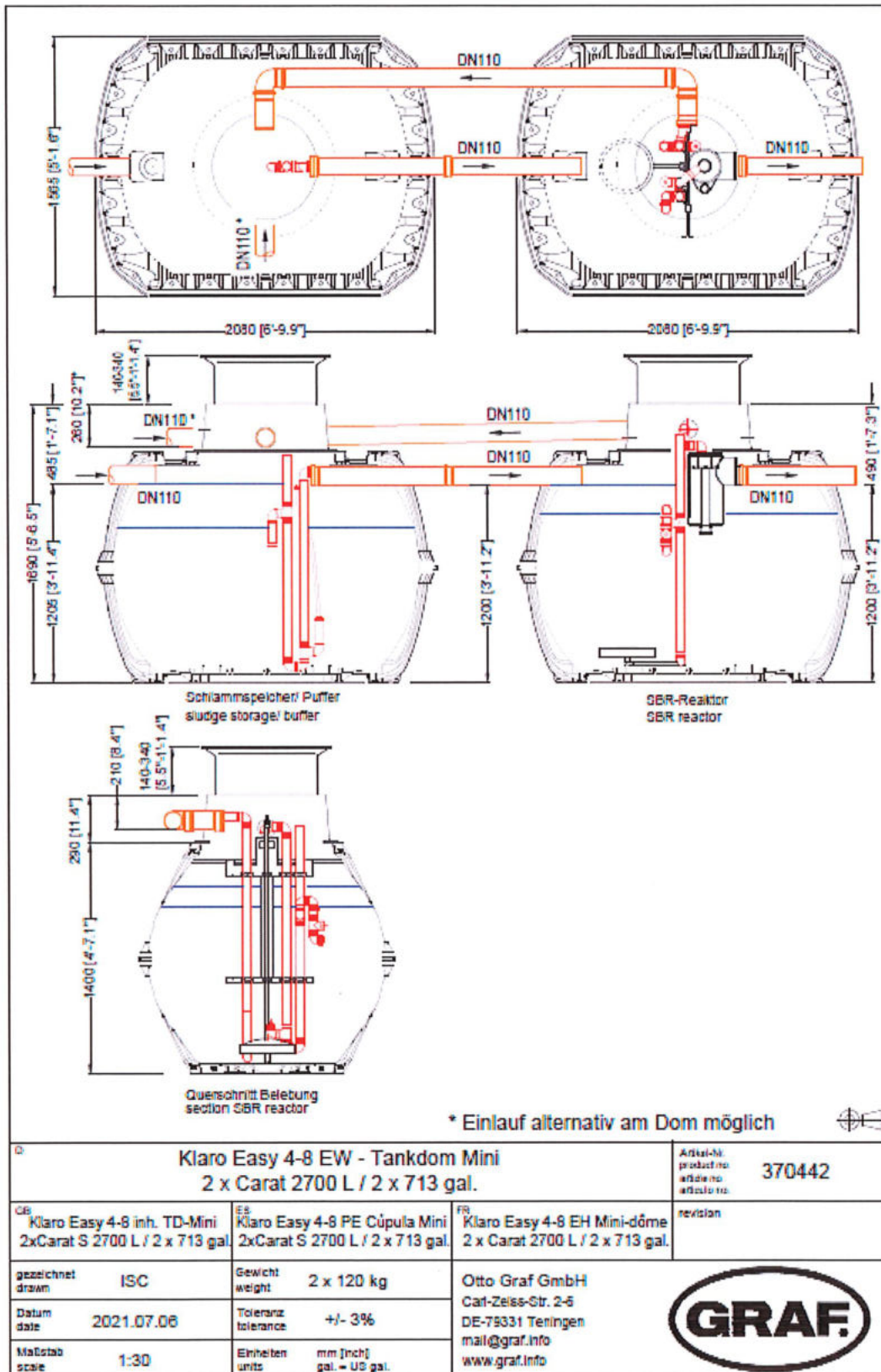
| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|----------------------------|---|--|---|--|--|
| 12 |  | <p>Pass</p> <p>PIA2021-WD-2101-1002.03</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |
| 18 |  | <p>Pass</p> <p>PIA2016-WD-1509-1050.02</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |
| 25 |  | <p>Pass</p> <p>PIA2021-WD-2101-1002.03</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |

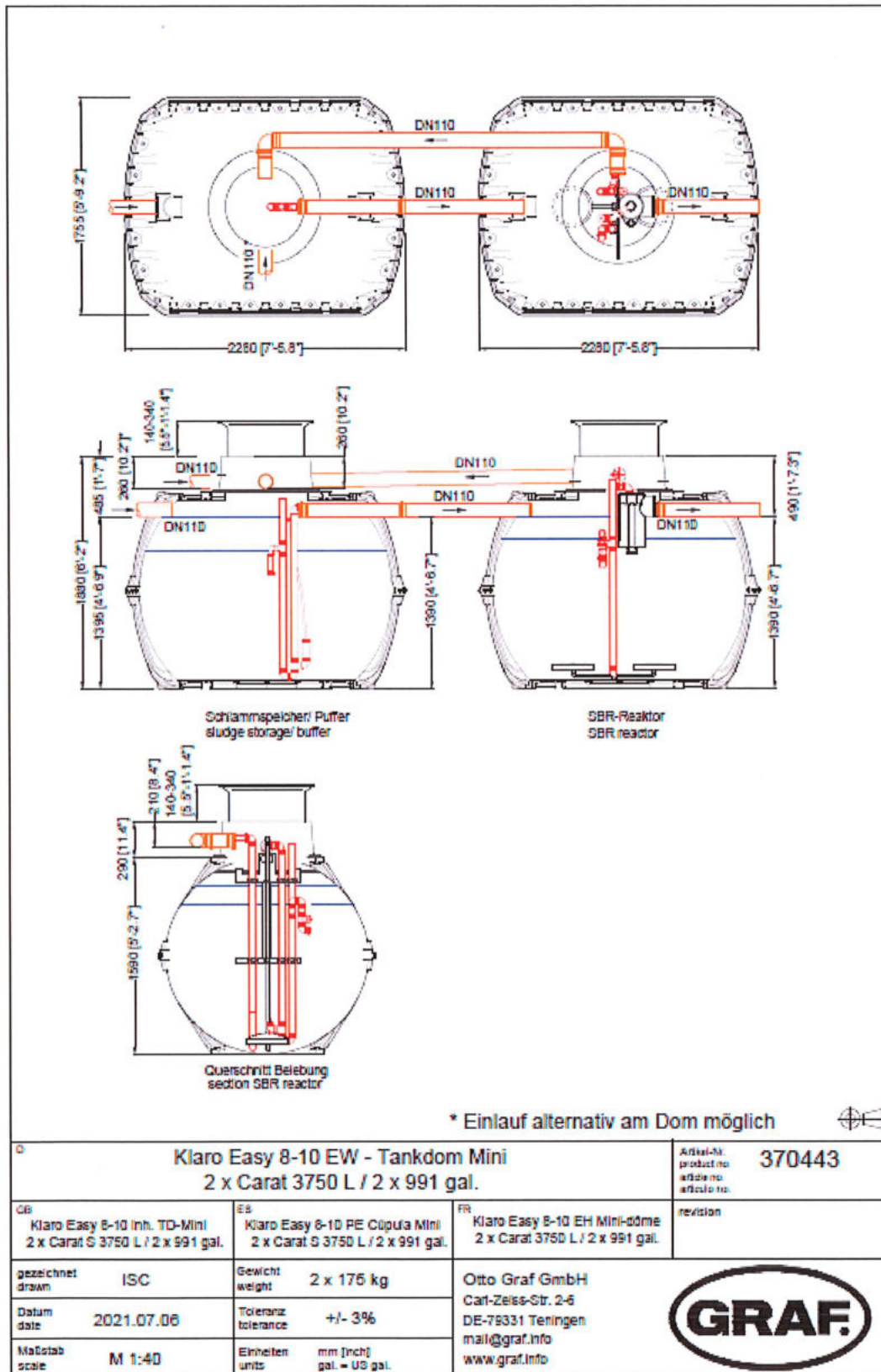
| Population equivalent (PE) | Drawing of model of the range | Watertightness (EN 12566-3 Annex A) | Treatment Efficiency (EN 12566-3 Annex B) | Structural Behaviour (EN 12566-3 Annex C) | Durability |
|----------------------------|--|--|---|--|--|
| 35 |  | <p>Pass</p> <p>PIA2016-WD-1509-1050.02</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |
| 50 |  | <p>Pass</p> <p>PIA2016-WD-1509-1050.02</p> | <p>Pass</p> <p>Range conformity according to S.R. 66:2015</p> | <p>Pass</p> <p>For wet ground conditions also, 1.75 m installation depth from inlet invert</p> | <p>Pass</p> <p>PIA2016-DH-1509-1050.02</p> |

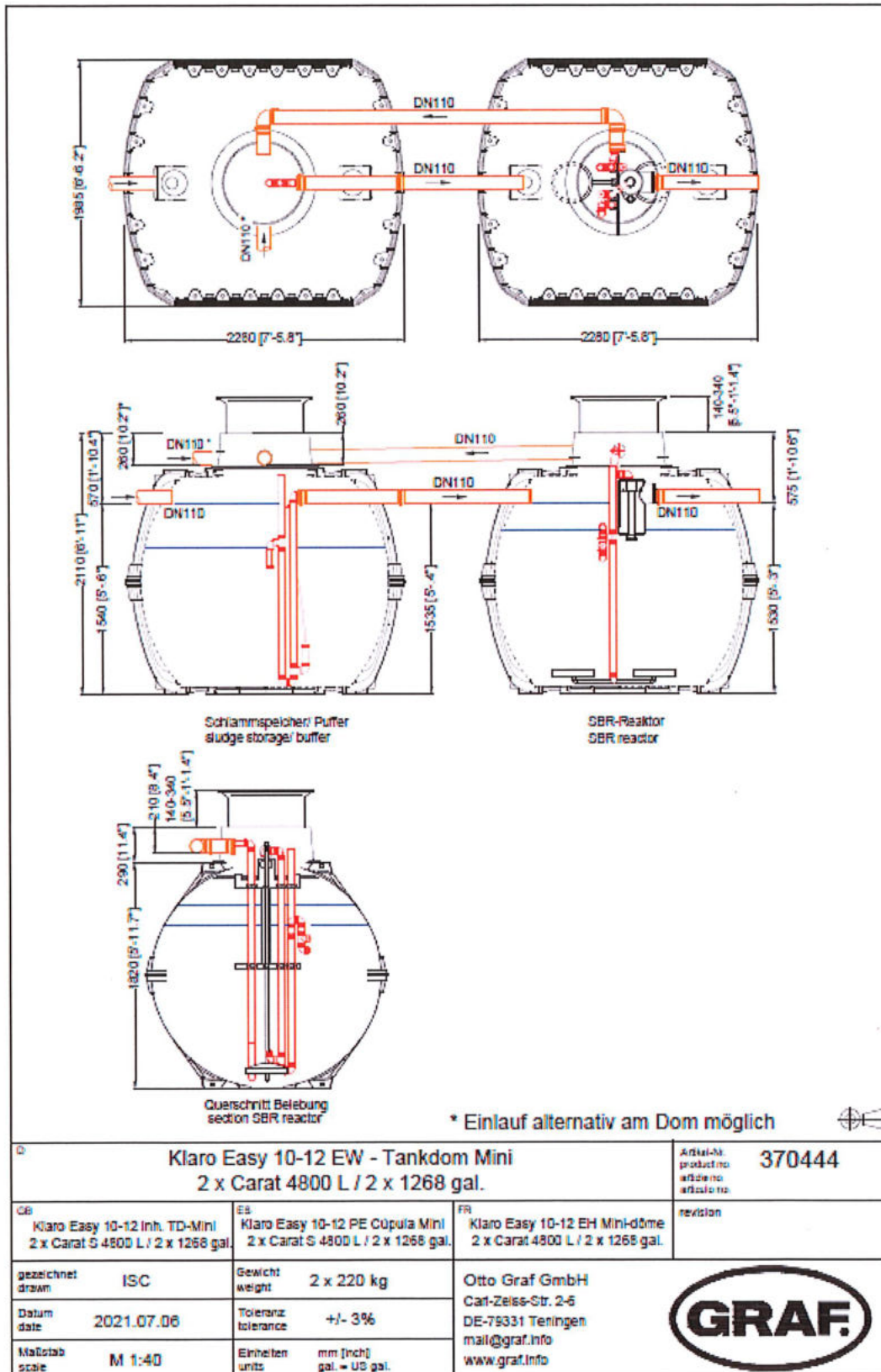


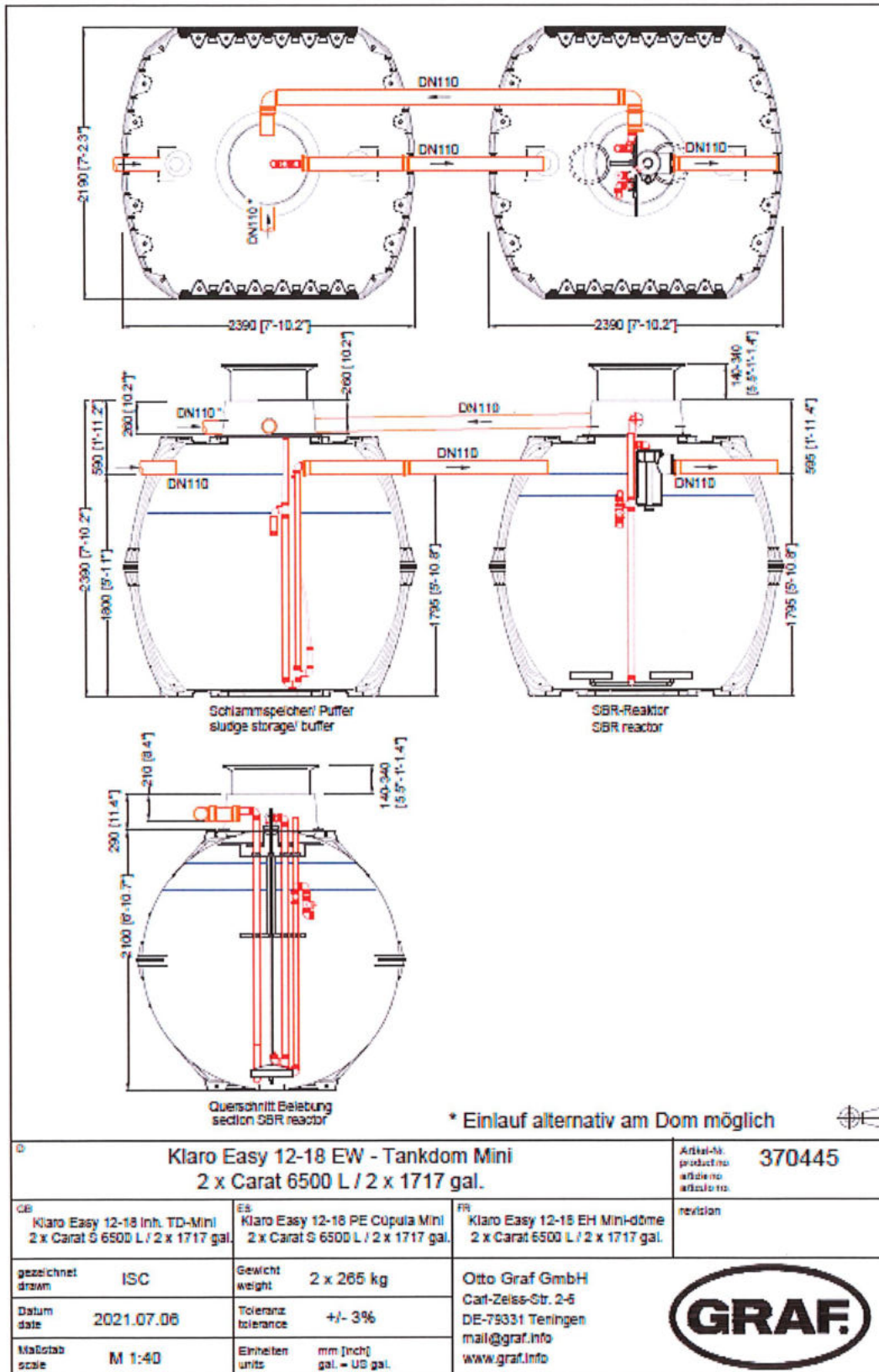


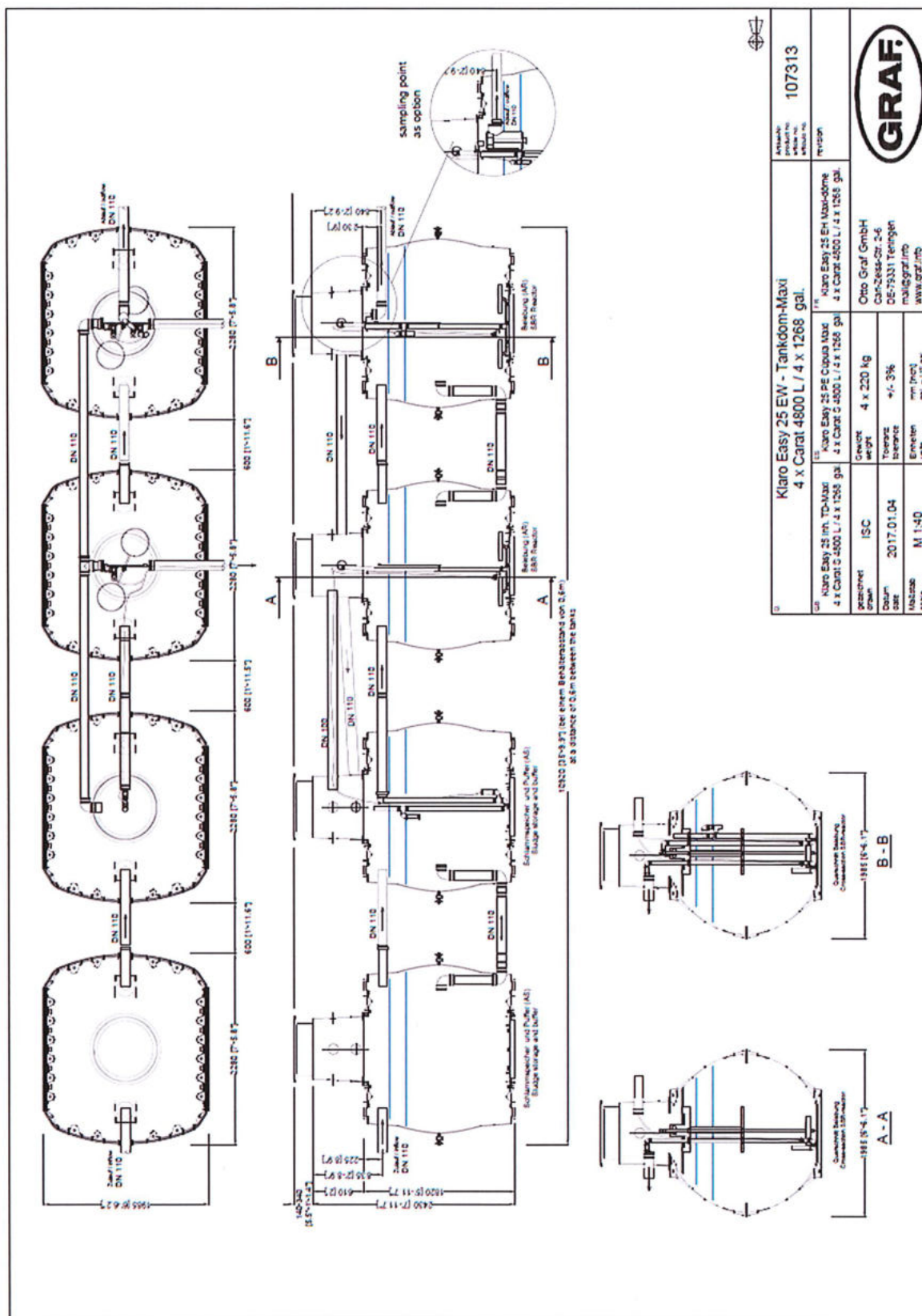




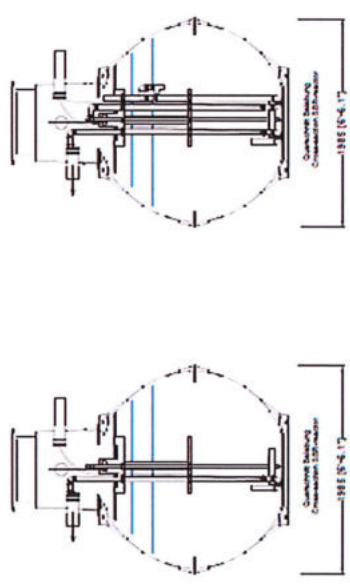


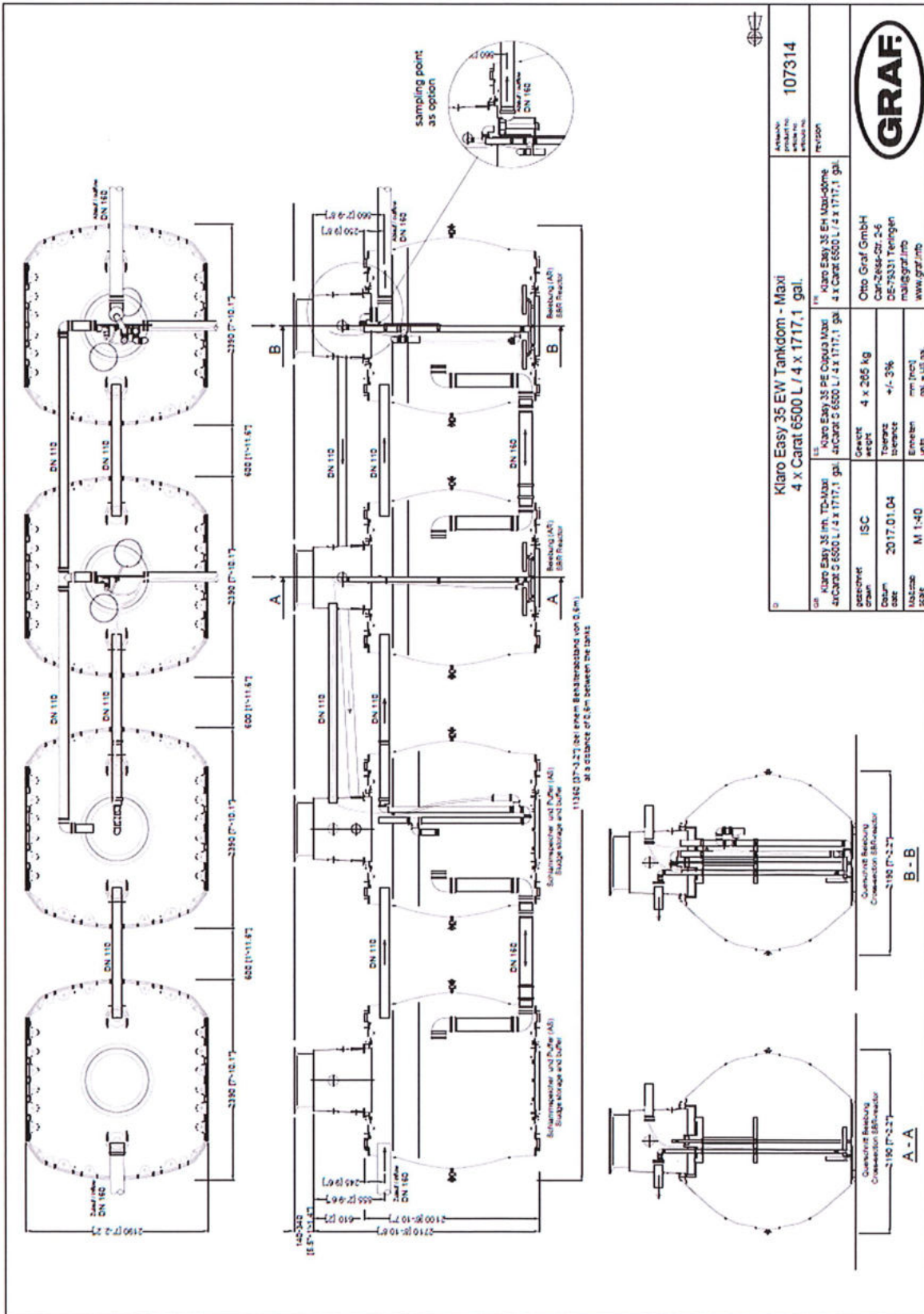






| | | |
|--|---|--|
| Klaro Easy 25 EW - Tankdom-Maxi 4 x Carat 4800 L / 4 x 1268 gal. | | 107313 revision |
| Art.Nr. Produkt- artikel no. | 107313 revision | |
| 01 Klaro Easy 25 Inl. TD-Maxi 4 x Carat C 4800 L / 4 x 1268 gal. | 12 Klaro Easy 25 Ein-Mantel- domo 4 x Carat 4800 L / 4 x 1268 gal. | 13 Klaro Easy 25 Ein-Mantel- domo 4 x Carat 4800 L / 4 x 1268 gal. |
| gesamt Gewicht 4 x 220 kg | Carat gewicht 4 x 220 kg | Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teisingen mail@graf.info www.graf.info |
| Datum 2017.01.04 | Toleranz +/- 3% | mm (inch) gal. = 0.03 gal. |
| Maßstab M 1:40 | Einheiten mm (inch) | gal. = 0.03 gal. |





| | | |
|---|--|--------|
| Klaro Easy 35 EW Tankdom - Maxi 4 x Carat 6500 L / 4 x 1717,1 gal. | | 107314 |
| Artikelnr. product no. Artikel-Nr. | revision | |
| Gr. Klaro Easy 35 (in. TD-Maxi) 4 x Carat C 6500 L / 4 x 1717,1 gal. | Gr. Klaro Easy 35 EW Maxi-dome 4 x Carat 6500 L / 4 x 1717,1 gal. | |
| gestricheltes Zeichn. ISC | Gravität weight 4 x 205 kg | |
| Datum date 2017.01.04 | Toleranz tolerance +/- 3% | |
| Maßstab scale M 1:40 | Einheiten units mm (incl) gal = US gal | |
| Hersteller Otto Graf GmbH Car-Zeiss-Cstr. 2-6 DE-75331 Teningen mailto:graf.info www.graf.info | | |

