Prüfinstitut für Abwassertechnik GmbH

TREATMENT PERFORMANCE RESULTS

"August ir Ko" UAB
Juodasis kelias 104A, 11307 Vilnius, Lithuania

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

PIA-SR66-1703-1019

AT
Continuous-flow, suspended growth activated sludge process

Nominal organic daily load	0.35 kg/d
Nominal hydraulic daily load	0.90 m³/d
Material	Polypropylene
Watertightness	Pass
Structural behaviour (Pit Test, calculation)	Pass (also wet conditions)
Durability	Pass

Treatment efficiency (nominal sequences)

	Efficiency	Effluent
COD	94.4 %	45 mg/l
BOD_5	98.2 %	7 mg/l
NH_4-N	90.5 %	3.8 mg/l
SS	97.2 %	12 mg/l

Number of desludging	Not more than once
Electrical consumption	1.0 kWh/d

Performance tested by:

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

TSUS - TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o.
Studená 3
821 04 Bratislava
Slovak Republic

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

Notified Body No.: 1739

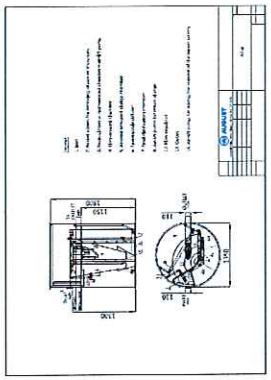
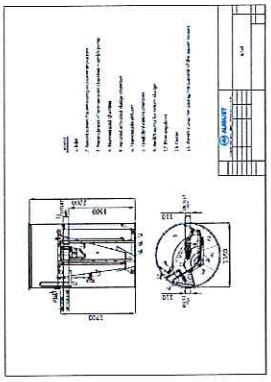
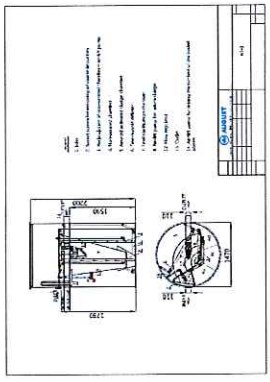
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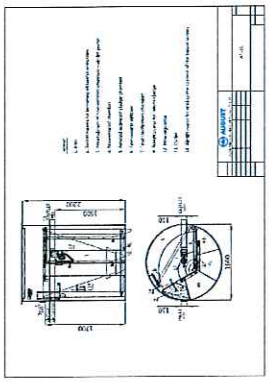
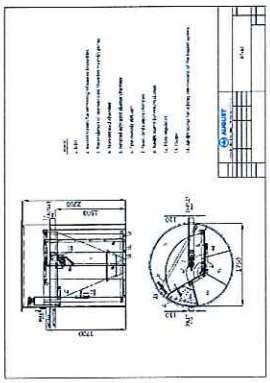
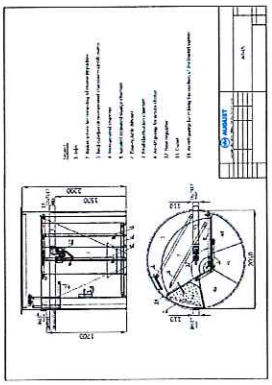
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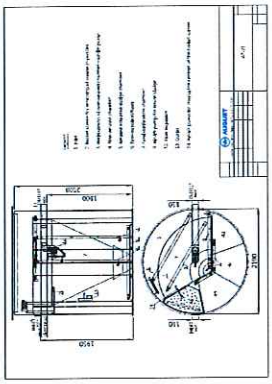
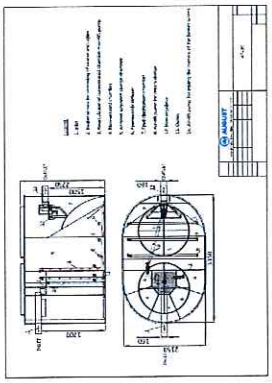
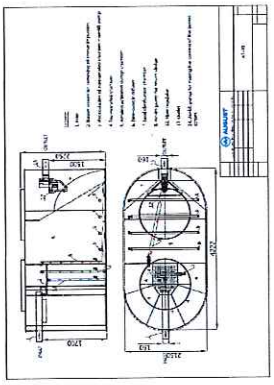
Prüfinstitut für Abwassertechnik GmbH
geprüft - tested - testé

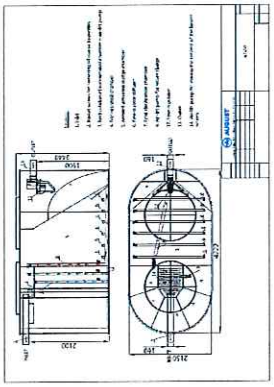
Elmar Lancé March 2017

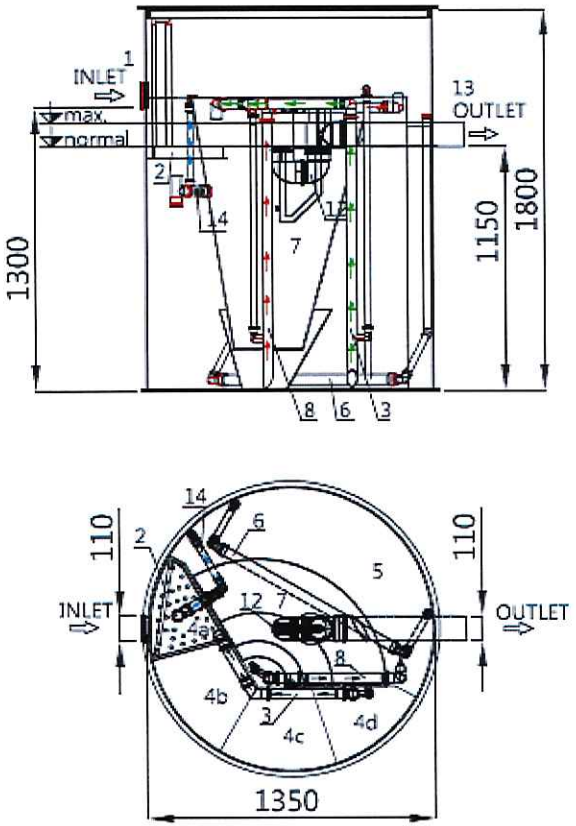
AT range and its referring test reports:

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
6 (Initial type test)		Pass 60-15-1290	Pass PIA2014-215B38.01	Pass 60-13-0345 For wet ground conditions, 0.50 m installation depth from inlet invert	Pass 284/2015 378/2015
8		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-13-0345 For wet ground conditions, 0.50 m installation depth from inlet invert	Pass 284/2015 378/2015
9		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-13-0345 For wet ground conditions, 0.41 m installation depth from inlet invert	Pass 284/2015 378/2015

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
10		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-13-0345 For wet ground conditions, 0.50 m installation depth from inlet invert	Pass 284/2015 378/2015
12		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-13-0345 For wet ground conditions, 0.50 m installation depth from inlet invert	Pass 284/2015 378/2015
15		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-13-0345 For wet ground conditions, 0.50 m installation depth from inlet invert	Pass 284/2015 378/2015

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
21		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-15-1291 For wet ground conditions, 0.55 m installation depth from inlet invert	Pass 284/2015 378/2015
30		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-15-1291 For dry ground conditions only, 0.55 m installation depth from inlet invert	Pass 284/2015 378/2015
40		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-15-1291 For dry ground conditions only, 0.55 m installation depth from inlet invert	Pass 284/2015 378/2015

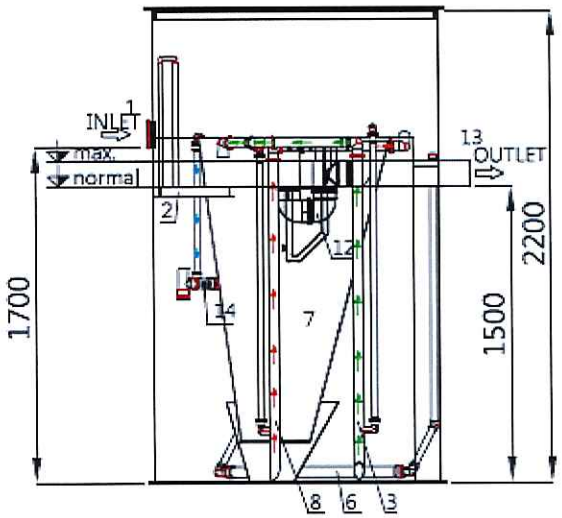
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
50		Pass 60-15-1290	Pass Range conformity according to S.R. 66:2015	Pass 60-15-1291 For dry ground conditions only, 0.30 m installation depth from inlet invert	Pass 284/2015 378/2015

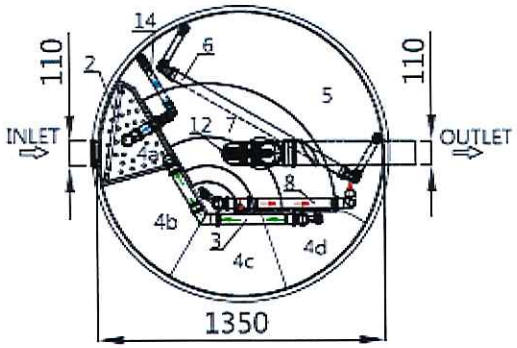


Legend:

1. Inlet
2. Basket screen for removing of coarse impurities
3. Recirculation of non-aerated chamber – air-lift pump
4. Non-aerated chamber
5. Aerated activated sludge chamber
6. Fine-bubble diffuser
7. Final clarification chamber
8. Air-lift pump for return sludge
12. Flow regulator
13. Outlet
14. Air-lift pump for mixing the content of the basket screen

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					AT-6	

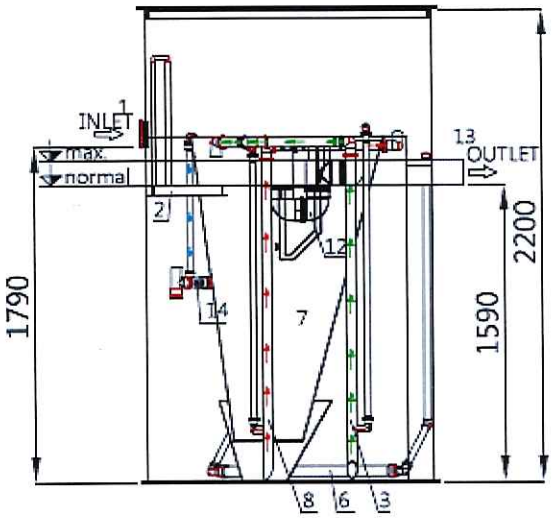


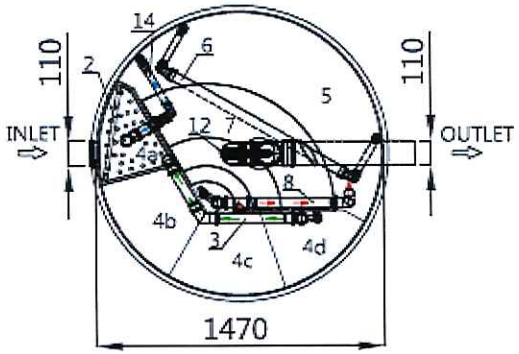


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		AT-8



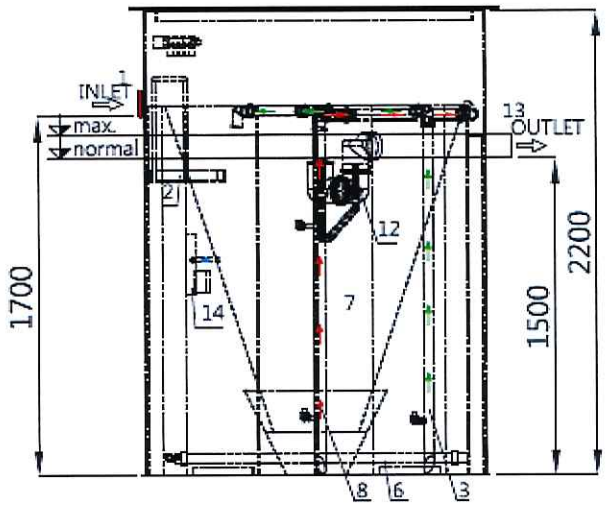


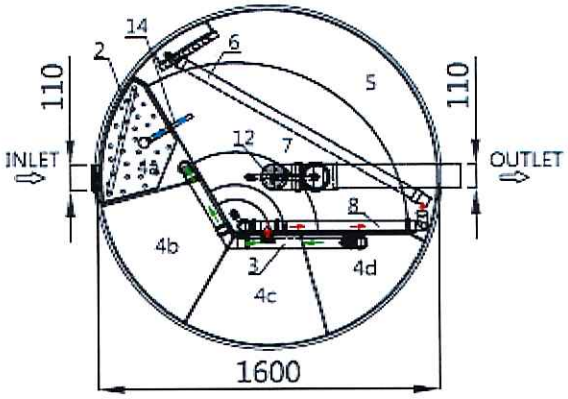
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AT-9

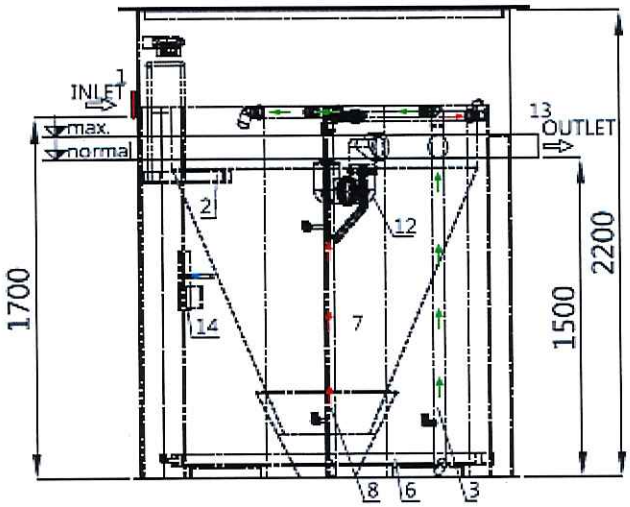


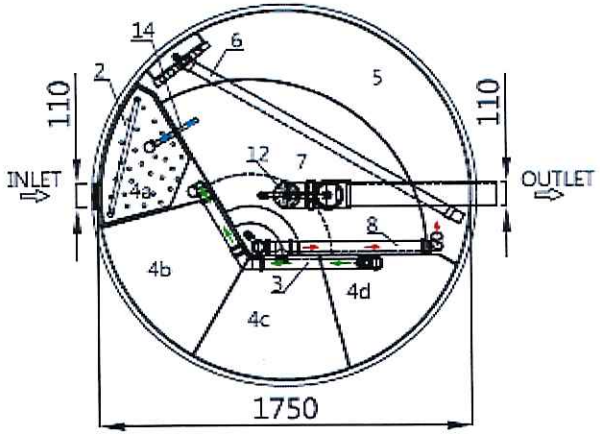


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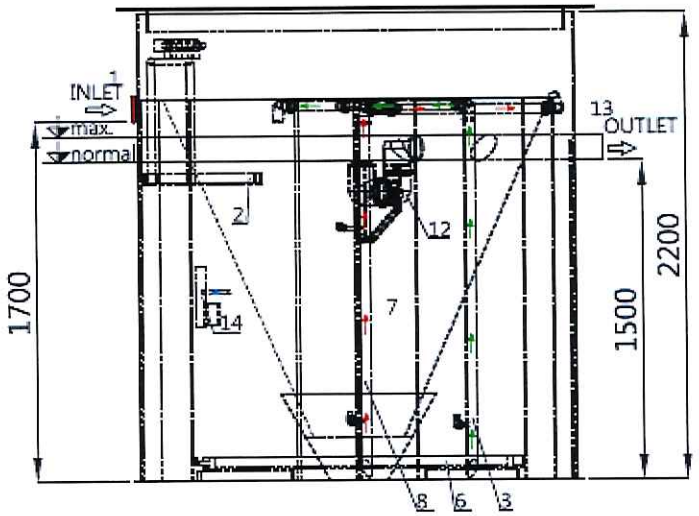


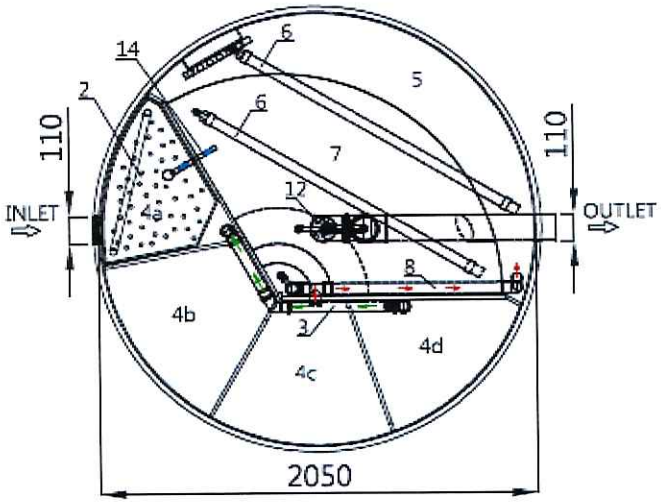


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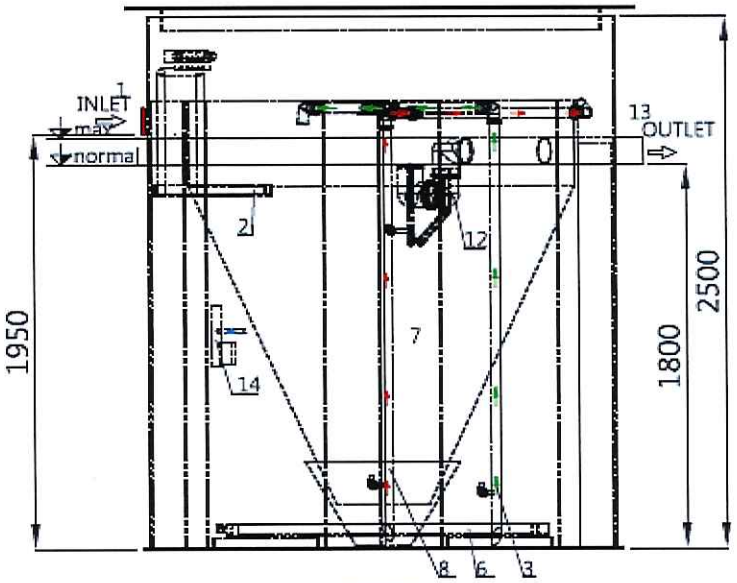


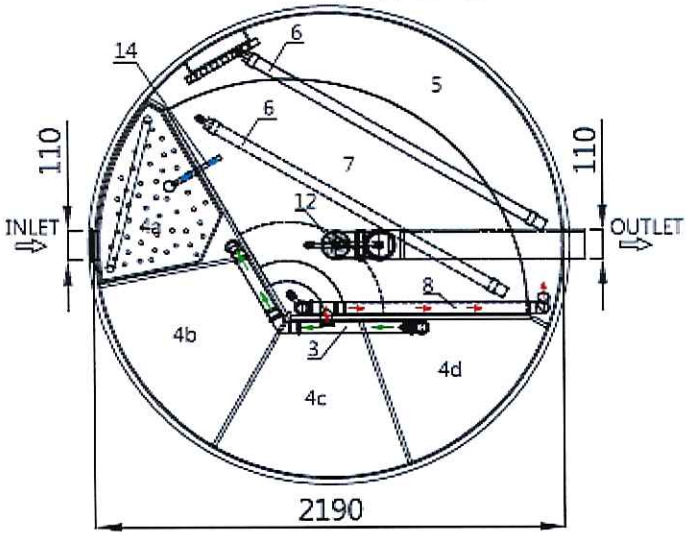


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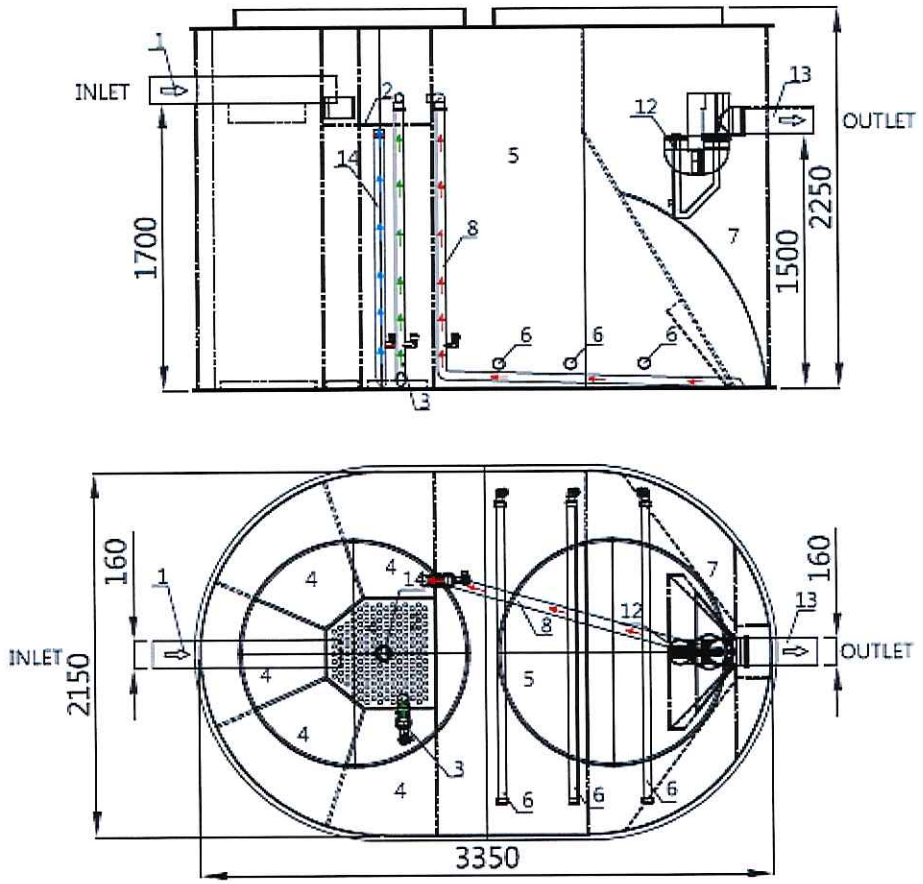




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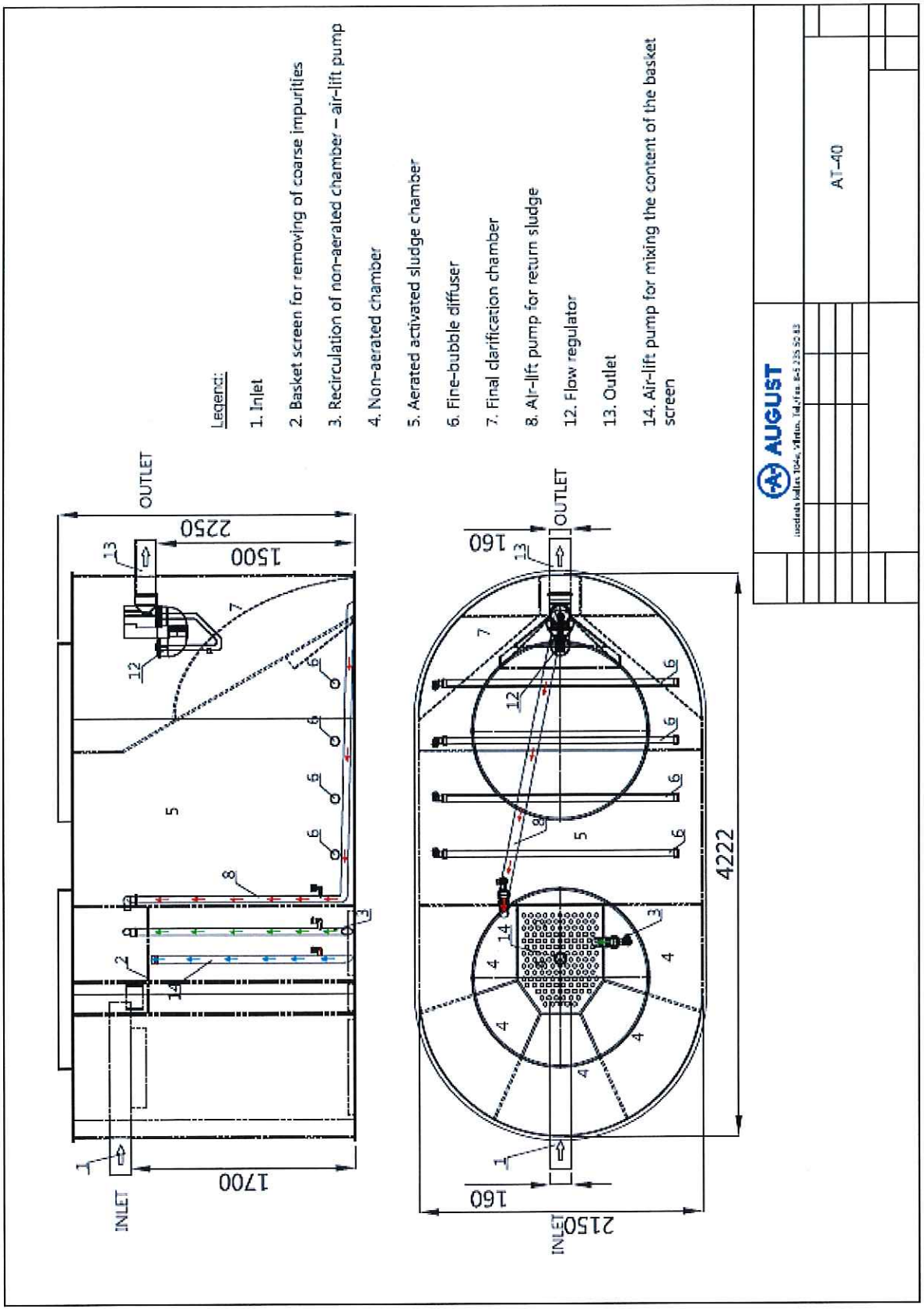
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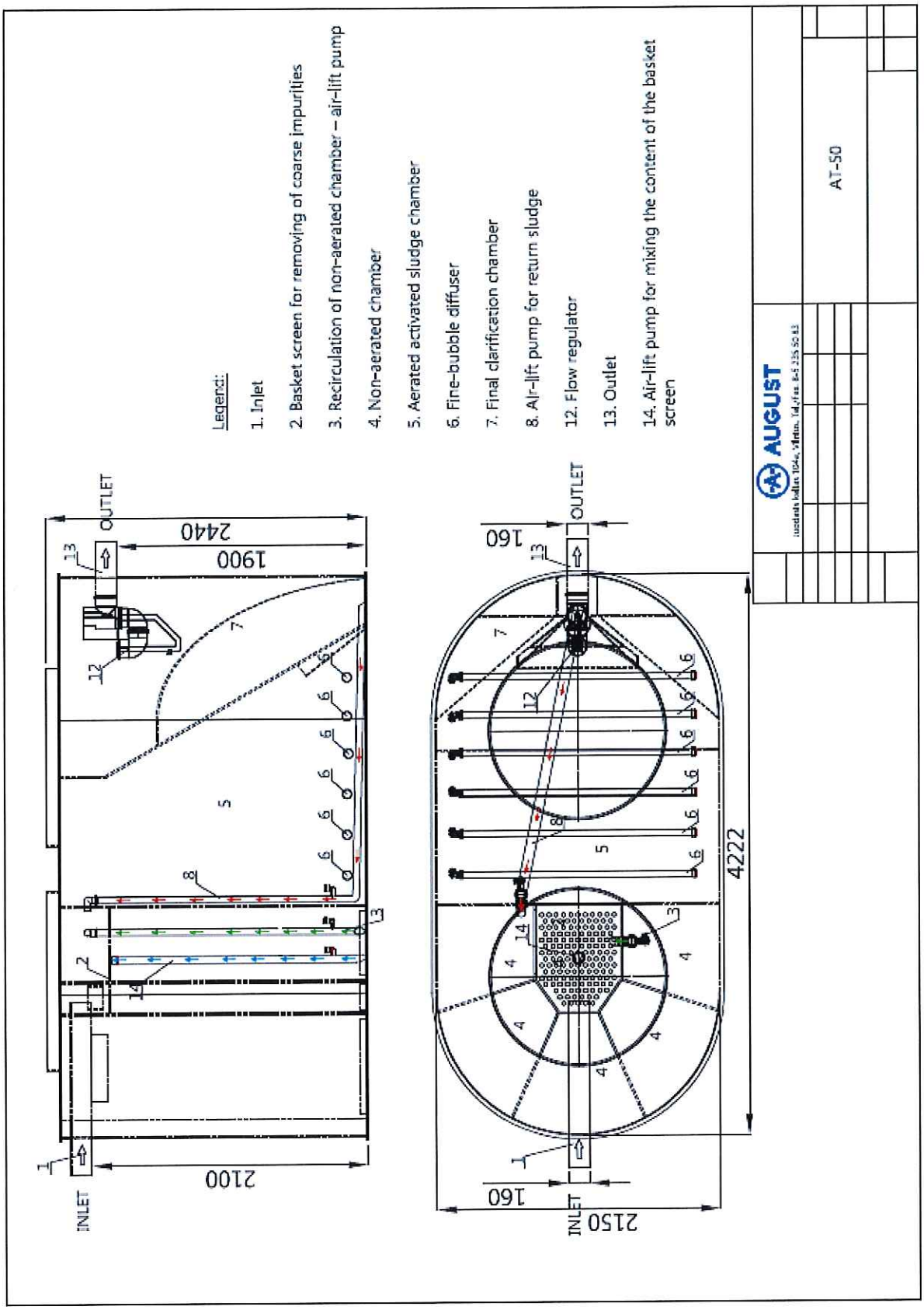


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Legend:
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12. Flow regulator
13. Outlet
14. Air-lift pump for mixing the content of the basket screen
OUTLET
2250
1500
1700
INLET
160
4222
2150
AUGUST
AT-40


Legend:
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OUTLET
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1900
2100
INLET
160
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