

TREATMENT PERFORMANCE RESULTS

Kingspan Environmental Ltd.
 College Rd North, Aston Clinton, Aylesbury, Bucks, GB

EN 12566-3

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

PIA-SR66-1610-1115

BioFicient (BioPura)
 Fluidized bed reactor

Nominal organic daily load	0.23 kg/d		
Nominal hydraulic daily load	0.60 m³/d		
Material	Polyethylene / grp		
Watertightness	Pass		
Structural behaviour (Pit Test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	90.6 %	67 mg/l
	BOD ₅	94.4 %	20 mg/l
	NH ₄ -N	99.0 %	0.4 mg/l
	SS	92.7 %	27 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.52 kWh/d		

Performance 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 9001:2008

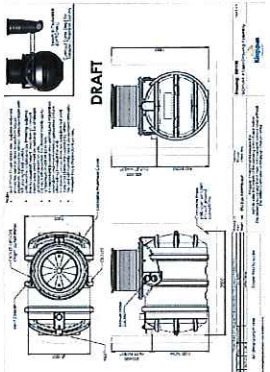
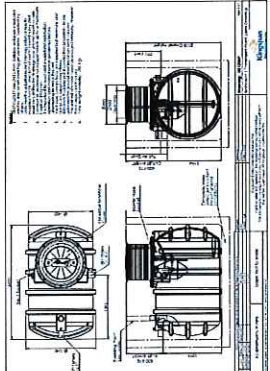
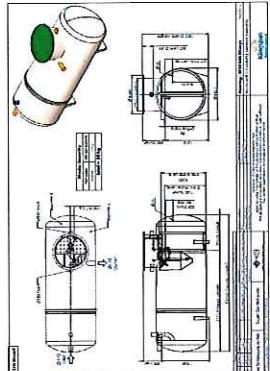


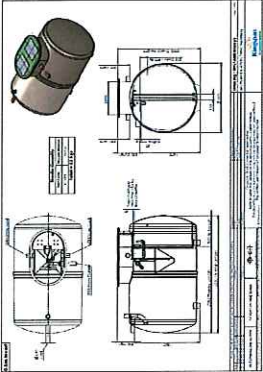
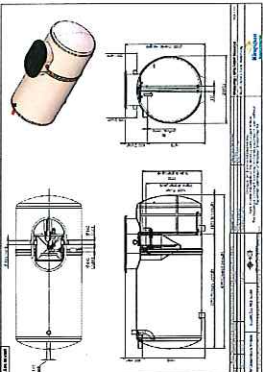
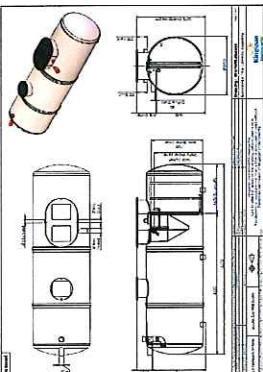
Prüfinstitut für Abwassertechnik GmbH
 geprüft - tested - teste

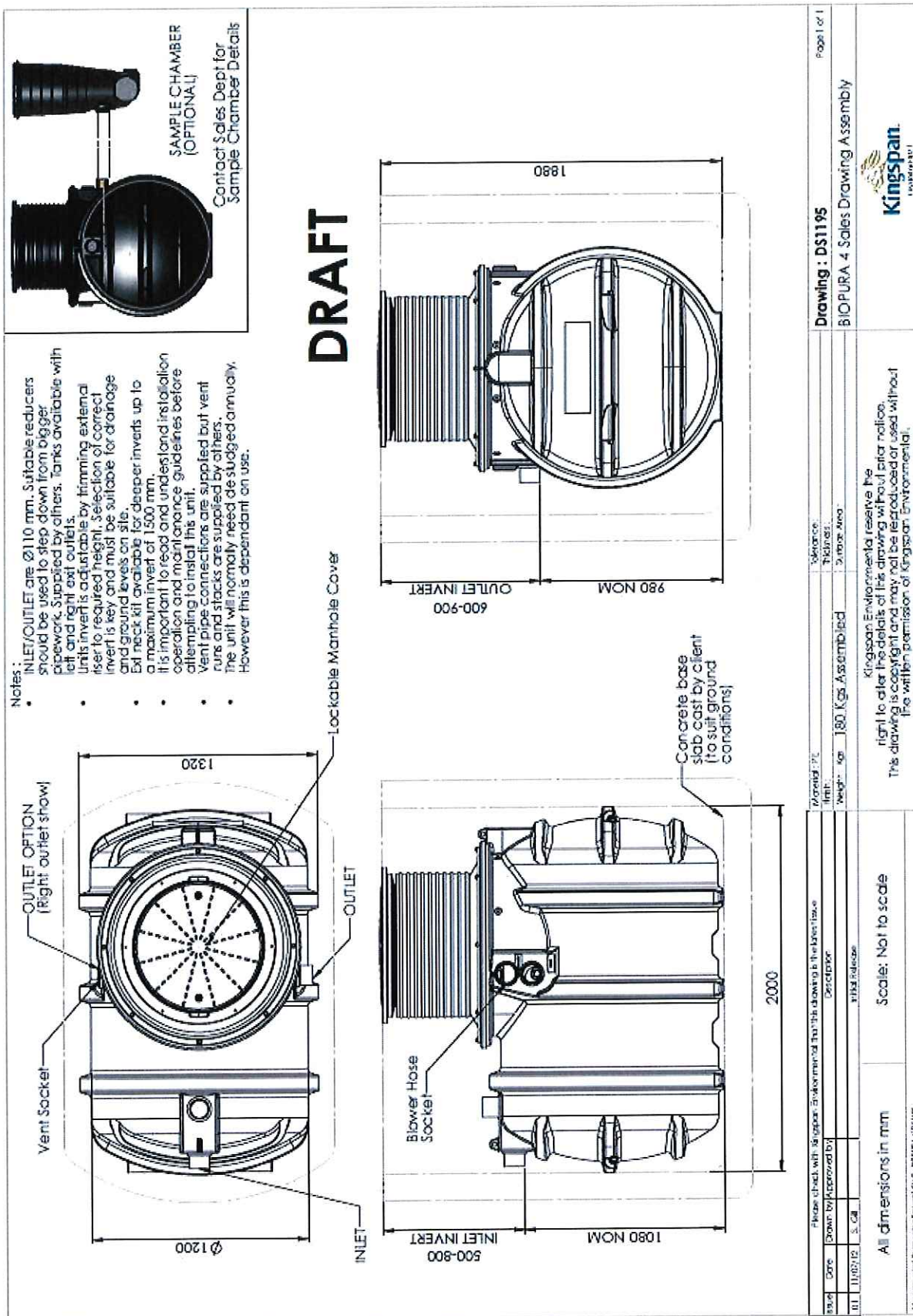
Elmar Lancé

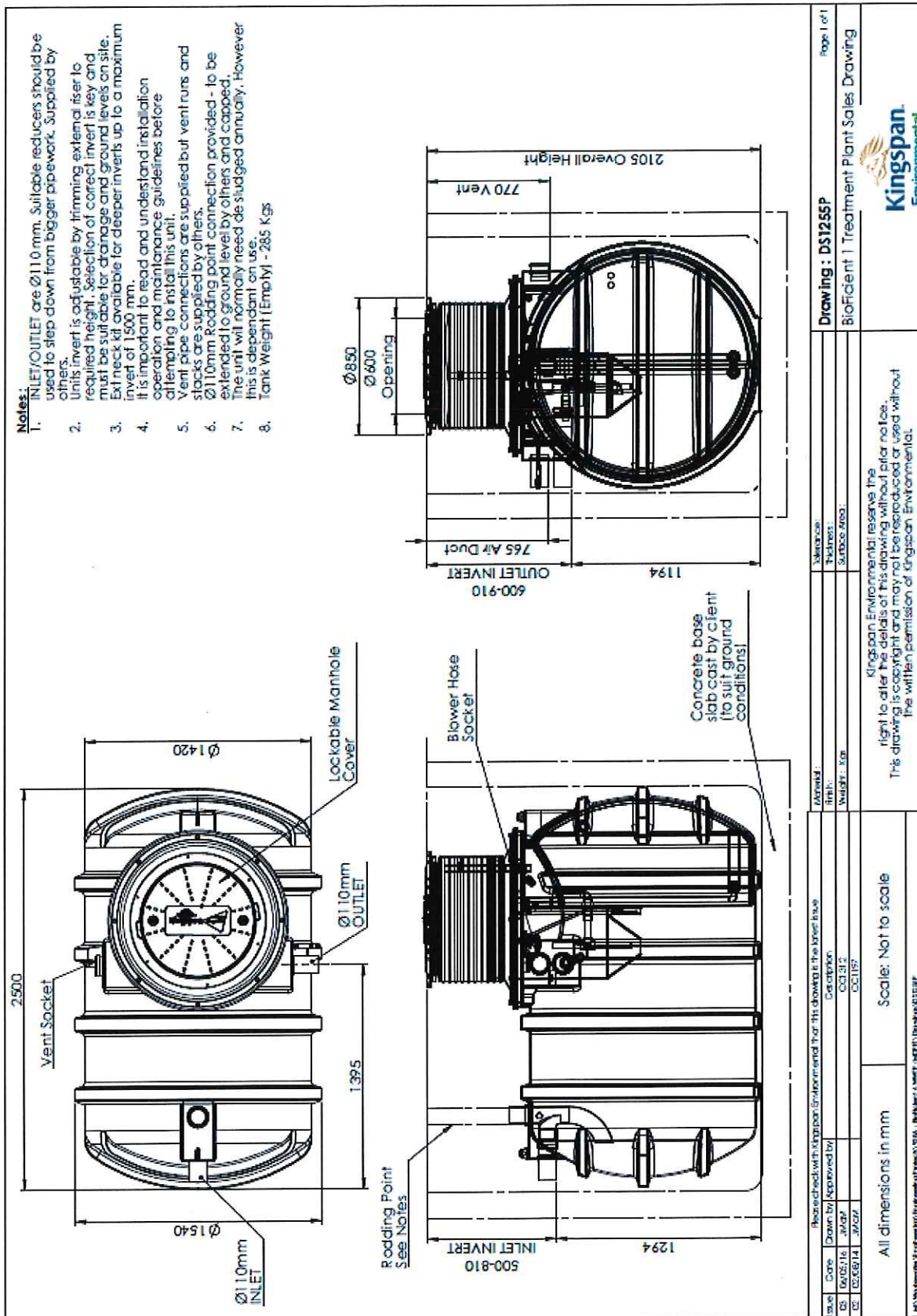
December 2016

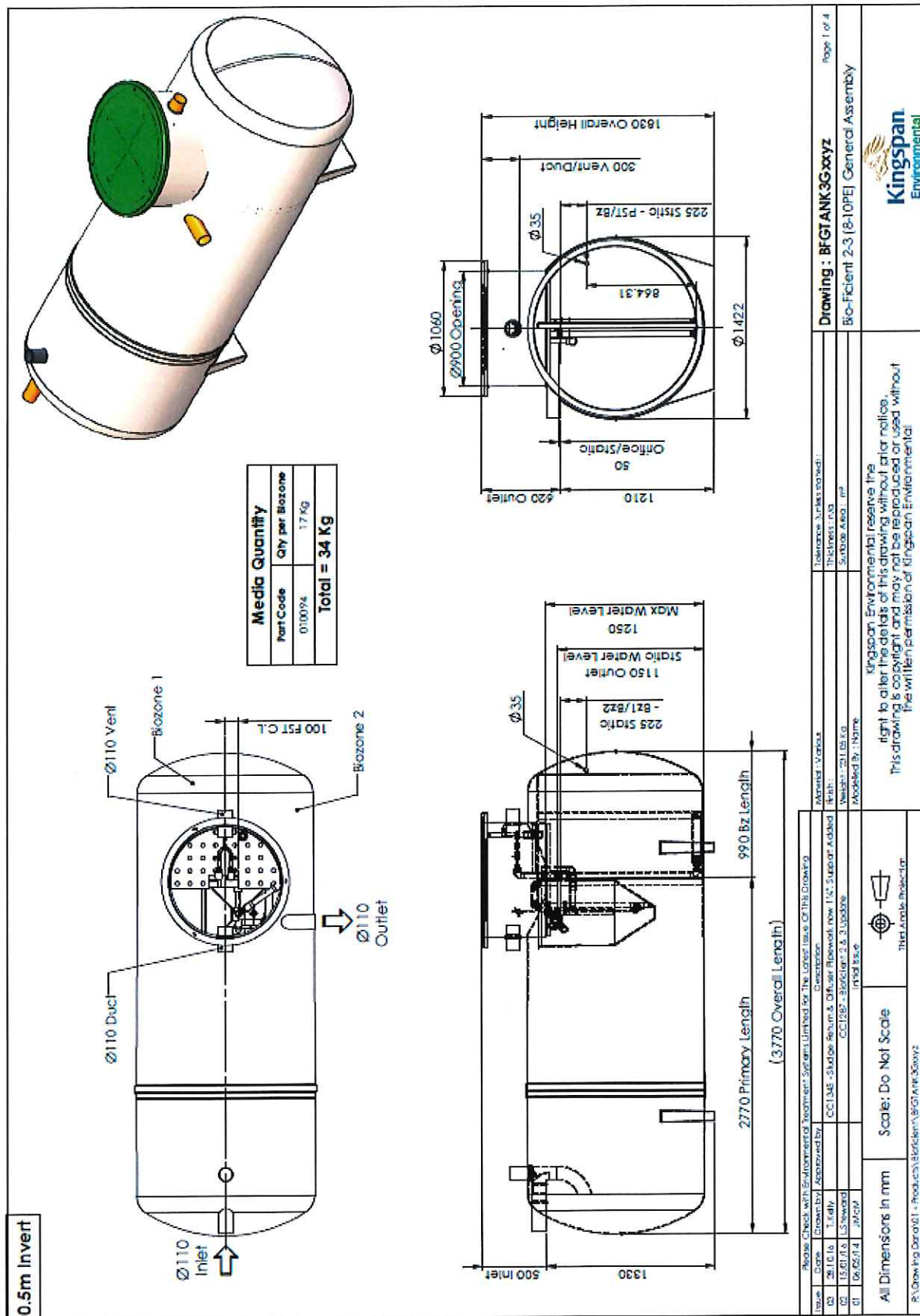
BioFicient (BioPura) range and its referring test reports:

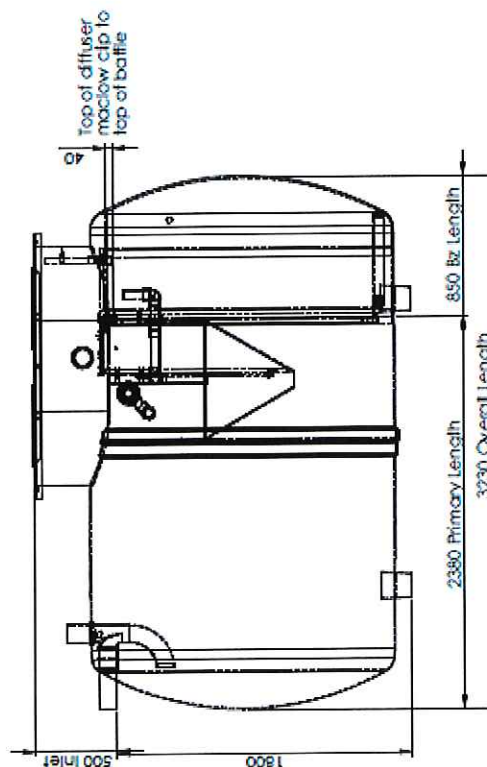
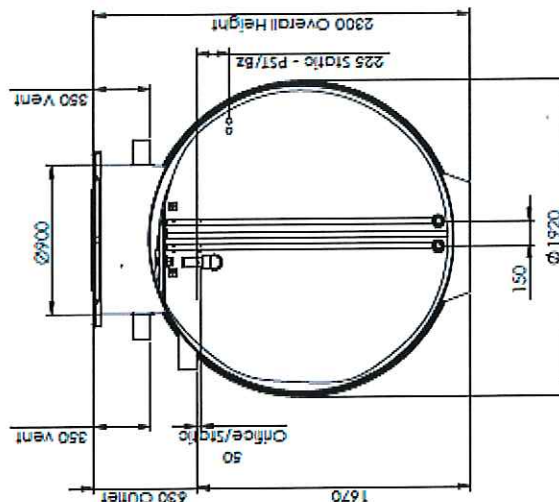
Population Equation (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial type test (ITT) 4 PE		Pass PIA2015-WD-1508-1044.01	Pass PIA2013-190B21.01	Pass For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2015-DH-1503-1018.01
6 PE		Pass PIA2015-WD-1508-1044.01	Pass Range conformity according to S.R. 66:2015	Pass PIA2015-1508-1044.01 For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2015-DH-1503-1018.01
10		Pass PIA2016-WD-1610-1115.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2016-DH-1610-1115.01

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
15		Pass PIA2016-WD-1610-1115.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2016-DH-1610-1115.01
20		Pass PIA2016-WD-1610-1115.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2016-DH-1610-1115.01
30		Pass PIA2016-WD-1610-1115.01	Pass Range conformity according to S.R. 66:2015	Pass PIA2016-ST-PIT-1610-1115.01 For wet ground conditions also, Installation depth 1.40 m from inlet invert	Pass PIA2016-DH-1610-1115.01







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