

# Declaration of Properties

No:



## 1. Unique product type identification code

Identifier	A			B	C	D	E		F
BIO CLEANER BC*	4	15	35	no marking (circular)	no marking	no marking	BASIC	BASIC DUO	no marking (no phosphorus precipitation)
	6	16	40	K (rectangular)	PE	with a lid	OPTIMA	OPTIMA DUO	P-LESS (with phosphorus precipitation)
	8	20	45		PP	with an attachment	COMFORT	COMFORT DUO	
	10	25	50		SL	N (not self-supporting)	EXCLUSIVE	EXCLUSIVE DUO	
	12	30			B		EXCLUSIVE UV	EXCLUSIVE UV DUO	

\* according to the specified identifier

## 2. Type, series or serial number or any other element identifying construction products according to Art. 11, Section 4:

Serial Number: see the number of the Declaration

## 3. Intended use or intended uses of the construction product in compliance with the relevant harmonized technical specification according to the qualification of the

**Producer:** Biological Activation Wastewater Treatment Plant

## 4. Name, business or registered trademark and contact address of the Producer according to Art. 11, Section 5:

ENVI-PUR, s.r.o., Na Věcovce 13/4, 160 00 Prague 6 – Dejvice, Czech Republic

## 5. Name and contact address of an authorized representative with power of attorney related to the tasks specified in Art. 12, Section 2:

ENVI-PUR Belgorod

## 6. System or systems of assessing and verifying the stability of the properties of construction products as specified in Annex V: 3

## 7. In case of a declaration of properties regarding a construction product which the harmonized standard applies to:

The Prague Technical and Testing Institute for Construction, Notified Body No. 1020, Prosecka 76, Prague 9, company identification code: 00015679, executed an initial test of the product type according to System 3 and issued a Properties Assessment Report No. 1020 – CPR – 090038112.

## 8. In case of a declaration of properties regarding a construction product which a European technical assessment has been issued for: -

## 9. Properties specified in the Declaration

Basic Characteristics	Property	BASIC, OPTIMA, COMFORT	BASIC DUO, OPTIMA DUO, COMFORT DUO	BASIC P-LESS, OPTIMA P-LESS, COMFORT P-LESS	EXCLUSIVE P-LESS	BASIC DUO P-LESS, OPTIMA DUO P-LESS, COMFORT DUO P-LESS	EXCLUSIVE DUO P-LESS	EXCLUSIVE UV P-LESS	EXCLUSIVE UV DUO P-LESS	Harmonized Technical Specifications
Purification efficiency degree	COD (mg/l)	92%	94%	96 % <sup>4)</sup>	95 % <sup>4)</sup>	97 % <sup>4)</sup>	96 % <sup>4)</sup>	95 % <sup>4)</sup>	96 % <sup>4)</sup>	EN 12566-3 + A2:2013
	BOD <sub>5</sub> (mg/l)	98%	99%	98 % <sup>4)</sup>	98 % <sup>4)</sup>	99 % <sup>4)</sup>	98 % <sup>4)</sup>	98 % <sup>4)</sup>	98 % <sup>4)</sup>	
	SS (mg/l)	96%	97%	97 % <sup>4)</sup>	95 % <sup>4)</sup>	98 % <sup>4)</sup>	94 % <sup>4)</sup>	95 % <sup>4)</sup>	94 % <sup>4)</sup>	
	N-NH <sub>4</sub> <sup>+</sup> (mg/l) <sup>1)</sup>	77%	96%	71 % <sup>4)</sup>	73 % <sup>4)</sup>	80 % <sup>4)</sup>	81 % <sup>4)</sup>	73 % <sup>4)</sup>	81 % <sup>4)</sup>	
	N <sub>total</sub> (mg/l) <sup>3)</sup>	-	51%	64 % <sup>4)</sup>	64 % <sup>4)</sup>	59 % <sup>4)</sup>	59 % <sup>4)</sup>	64 % <sup>4)</sup>	59 % <sup>4)</sup>	
	P <sub>total</sub> (mg/l) <sup>13)</sup>	-	19% <sup>12)</sup>	94 % <sup>4)</sup>	91 % <sup>4)</sup>	95 % <sup>4)</sup>	90 % <sup>4)</sup>	91 % <sup>4)</sup>	90 % <sup>4)</sup>	
	Enterococci <sup>14)</sup>	-	-	-	-	-	-	99,99 %	100 %	
	Escherichia coli <sup>14)</sup>	-	-	-	-	-	-	99,99 %	100 %	
	Fecal coliform bacteria <sup>14)</sup>	-	-	-	-	-	-	99,99 %	100 %	
	Coliform bacteria <sup>14)</sup>	-	-	-	-	-	-	99,99 %	100 %	
Somatic coliphage <sup>14)</sup>	-	-	-	-	-	-	100 %	100 %		
Rated organic daily load	0.24 / 0.36 / 0.48 / 0.60 / 0.72 / 0.90 / 0.96 / 1.20 / 1.50 / 1.80 / 2.10 / 2.40 / 2.70 / 3.00 kg BSK <sub>5</sub> /day <sup>6)</sup>									
Rated daily flow	0.6 / 0.9 / 1.2 / 1.5 / 1.8 / 2.25 / 2.4 / 3.0 / 3.75 / 4.5 / 5.25 / 6.0 / 6.75 / 7.5 m <sup>3</sup> /day <sup>6)</sup>									
Water tightness	Passed the water test									
Holding capacity	Passed the calculation for load by hydrostatic pressure, soil (1850 kg/m <sup>2</sup> ; 36°), DRY / load by hydrostatic pressure, soil (1850 kg/m <sup>2</sup> ; 36°), DRY / load by hydrostatic pressure, soil (1800 kg/m <sup>2</sup> ; 42°), lids (1.5 kN/m <sup>2</sup> ), DRY / load by hydrostatic pressure, soil (1800 kg/m <sup>2</sup> ; 42°), lids (2.5 kN/m <sup>2</sup> ), DRY / load by hydrostatic pressure, soil (1800 kg/m <sup>2</sup> ; 36°), lids (2.5 kN/m <sup>2</sup> ), DRY / NP / NP / NP / load by hydrostatic pressure, soil (1850 kg/m <sup>2</sup> ; 42°), lids (2.5 kN/m <sup>2</sup> ), DRY / load by hydrostatic pressure, soil (1850 kg/m <sup>2</sup> ; 42°), lids (2.5 kN/m <sup>2</sup> ), DRY WET 0.5 for version B <sup>7)</sup>									
Durability	Passed the test for PP / PE / stainless steel/concrete <sup>8)</sup>									
Fire resistance	F									
Effect of dangerous substances	NPD									

Comment: the values mentioned in "Declaration of properties", are achieved according to the EN 12566-3+A2

1) EP = equivalent person is defined pollution value 60 g BOD<sub>5</sub> per day and waste water value 150 l/day

2) WWTP rated polluting mater and hydraulic load must not be exceeded

3) initial load N<sub>total</sub> max. 11 g/person\*d

4) average value from all measured values

5) geometric mean

6) according to Identifier A for 4 / 6 / 8 / 10 / 12 / 15 / 16 / 20 / 25 / 30 / 35 / 40 / 45 / 50

7) according to Identifier A for 4 / A+C pro 6, 8, 10, 12, 16 PP / A+C+D for 4, 6, 8, 12, 15 PE with a lid / A+C+D for 4, 6, 8, 12, 15 PE with an attachment / A+B+C+D for 4, 6, 8, 12, 15 PE with an attachment / A+B+C+D for 16, 20, 25, 30, 40, 50 KPP / A+B+C+D for 16, 20, 25, 30, 40, 50 KPP N (not self-supporting) / A+C for 16, 20, 25, 30, 35, 40, 45, 50 PP N (not self-supporting) / C for SL / C for B

8) according to Identifier A for 4 / C for PP / C for PE / C for SL / C for B

11) water temperature on the outlet is not under 12°C

12) T<sub>min</sub> = 3,4°C; T<sub>max</sub> = 19,8°C

13) with P-LESS (phosphorus precipitation)

14) with UV disinfection of purified waste water

## 10. The product property specified in Item 1 and 2 is in accordance with the property specified in Item 9.

This Declaration of Properties is issued at the sole responsibility of the Producer specified in Item 4.

Signed for and on behalf of the Producer:

In Soběslav on 1. 4. 2020

**Milan Orda**  
Executive and Technical Director

