

CE			
ENVI-PUR, s.r.o. , Na Vlčovce 13/4, 160 00 Praha 6 - Dejvice IČO: 25166077			
08 EN 12566-3			
Wastewater and water treatment plants Bio cleaner BIO CLEANER BC .. PP BASIC, BIO CLEANER BC .. PP OPTIMA, BIO CLEANER BC .. PP COMFORT, BIO CLEANER BC .. PP EXCLUSIVE - / UV BIO CLEANER BC .. K PP BASIC, BIO CLEANER BC .. K PP OPTIMA, BIO CLEANER BC .. K PP COMFORT, BIO CLEANER BC .. K PP EXCLUSIVE - /UV BIO CLEANER BC .. PE BASIC, BIO CLEANER BC .. PE OPTIMA, BIO CLEANER BC .. PE COMFORT, BIO CLEANER BC .. PE EXCLUSIVE - / UV BIO CLEANER BC .. SL BASIC, BIO CLEANER BC .. SL OPTIMA, BIO CLEANER BC .. SL COMFORT, BIO CLEANER BC .. SL EXCLUSIVE - / UV BIO CLEANER BC .. K SL BASIC, BIO CLEANER BC .. K SL OPTIMA, BIO CLEANER BC .. K SL COMFORT, BIO CLEANER BC .. K SL EXCLUSIVE - / UV BIO CLEANER BC .. B BASIC, BIO CLEANER BC .. B OPTIMA, BIO CLEANER BC .. B COMFORT, BIO CLEANER BC .. B EXCLUSIVE - / UV BIO CLEANER BC .. PP N BASIC, BIO CLEANER BC .. PP N OPTIMA, BIO CLEANER BC .. PP N COMFORT, BIO CLEANER BC .. PP N EXCLUSIVE - / UV BIO CLEANER BC .. B N BASIC, BIO CLEANER BC .. B N OPTIMA, BIO CLEANER BC .. B N COMFORT, BIO CLEANER BC .. B N EXCLUSIVE - / UV			
Rated daily flow (m³/den):		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 *	
Rated organic daily load (kg BSK ₅ /den)		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 *	
Material:		PP, PE, stainless steel, concrete *	
Water tightness:		Passed the water test	
Holding capacity:		Passed the calculation for load by hydrostatic pressure	
Durability:		Passed the test	
Fire resistance		F	
Effect of dangerous substance		NPD	
Cleaning efficiency during the test according to EN 12566-3 with the organic daily load BSK ₅ = 0,208 kg/d and with 0,306 kg/d:			
Parameter	Output values (mg/l)	Efficiency (%)	
BOD ₅	XX	XX	
COD	XX	XX	
SS	XX	XX	
N-NH ₄ ***	XX	XX	
N _{total}	XX	XX	
P _{total} ***	XX	XX	
Enterococci	XX (KTJ/100ml)	XX	
Escherichia coli	XX (KTJ/100ml)	XX	
Fecal col. bacteria	XX (KTJ/100ml)	XX	
Coliform bacteria	XX (KTJ/100ml)	XX	
Somatic coliphage	XX (PTJ/ml)	XX	
*..... depends on the WWTP size and type ** ... at the activated mixture temperatures above 12°C ***... with P-LESS (phosphorus precipitation equipment) XX... according to WWTP type see Technical specification - Parameters of treated water			

MANUFACTURE:

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SERVICE:

Authorized person (or authorized dealer) according to the list at www.envi-pur.cz

OR

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Technical specification – Hydrotechnical parameters

Parameters of treated water ⁴⁾	BASIC P-LESS, OPTIMA P-LESS, COMFORT P-LESS		EXCLUSIVE P-LESS		BASIC P-LESS DUO, OPTIMA P-LESS DUO, COMFORT P-LESS DUO		EXCLUSIVE P-LESS DUO	
	Output values	Efficiency	Output values	Efficiency	Output values	Efficiency	Output values	Efficiency
Parameter								
COD (mg/l)	29	96 %	32	95 %	24	97 %	31	96 %
BOD ₅ (mg/l)	4	98 %	5	98 %	3	99 %	4	98 %
SS (mg/l)	10	97 %	17	95 %	8	98 %	20	94 %
N-NH ₄ ⁺ (mg/l) ¹⁾	16	71 %	15	73 %	13	80 %	15	81 %
N total (mg/l) ²⁾ ***)	25	64 %	25	64 %	28	59 %	28	59 %
P total (mg/l) ³⁾ ***)	1,1	94 %	1,5	91 %	0,9	95 %	1,6	90 %

Parameters of treated water ⁴⁾	EXCLUSIVE UV P-LESS		EXCLUSIVE UV P-LESS DUO	
	Output values	Efficiency	Output values	Efficiency
Parameter				
COD (mg/l)	32	95 %	31	96 %
BOD ₅ (mg/l)	5	98 %	4	98 %
SS (mg/l)	17	95 %	20	94 %
N-NH ₄ ⁺ (mg/l) ¹⁾	15	73 %	15	81 %
N total (mg/l) ²⁾ ³⁾ ²⁾	25	64 %	28	59 %
P total (mg/l) ³⁾	1,5	91 %	1,6	90 %
Enterococci ⁴⁾	3 KTJ/100 ml ⁵⁾	99,99%	0 KTJ/100 ml ⁵⁾	100%
Escherichia coli ⁴⁾	2 KTJ/100 ml ⁵⁾	99,99%	0 KTJ/100 ml ⁵⁾	100%
Fecal coliform bacteria ⁴⁾	7 KTJ/100 ml ⁵⁾	99,99%	1 KTJ/100 ml ⁵⁾	100%
Coliform bacteria ⁴⁾	48 KTJ/100 ml ⁵⁾	99,99%	5 KTJ/100 ml ⁵⁾	100%
Somatic coliphage ⁴⁾	0 PTJ/100 ml ⁵⁾	100 %	0 PTJ/100 ml ⁵⁾	100%

Parameters of treated water ⁴⁾	BASIC, OPTIMA, COMFORT		BASIC DUO, OPTIMA DUO, COMFORT DUO	
	Output values	Efficiency	Output values	Efficiency
Parameter				
COD (mg/l)	49	92%	27	94%
BOD ₅ (mg/l)	5,6	98%	3	99%
SS (mg/l)	13	96%	7	97%
N-NH ₄ ⁺ (mg/l) ¹⁾	10	77%	2,4	96%
N total (mg/l)	-	-	44	51%
P total (mg/l)	-	-	7,9	19%

Comment:
 The stated values that correspond to the „Declaration of Properties“ are the values obtained according to ČSN EN 12566-3+A2
 1) EO – equivalent resident is defined by the production of contaminants amounting to 60g BSK₅ a day and the production of waste water of 150l/day
 2) the rated substance and hydraulic load of WWTP must not be exceeded
 3) with the input load N total max. 11 g/resident*d (day)
 4) the mean value of all results
 5) geometrical mean
 11) if the waste water temperature at the outlet from the biological stage is not lower than T > 12 °C
 12) if the waste water temperature is within the value range of Tmin = 3,4 °C; Tmax = 19,8 °C
 13) with the equipment for chemical precipitation of phosphorus P-LESS
 14) with the UV device for disinfection of the treated waste water
 *... depends on the WWTP size and type
 **... at the activated mixture temperatures above 12°C
 ***... with P-LESS (phosphorus precipitation equipment)

Signed for and on behalf of the Producer:

In Sobeslav on 27.3.2017

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