GENERAL CHARACTERISTICS

The β monoblock, available in two versions, FA and OT, consists of a strong and sturdy structure containing all the sections required for complete and efficient purification of civil and industrial effluent. It is perfect for:

Single homes, condominiums and small urban centres;

Hotels, campsites and refreshment centres; schools, barracks, sports centre, religious and social communities in general;

Hospitals, clinics, care centres and care homes;

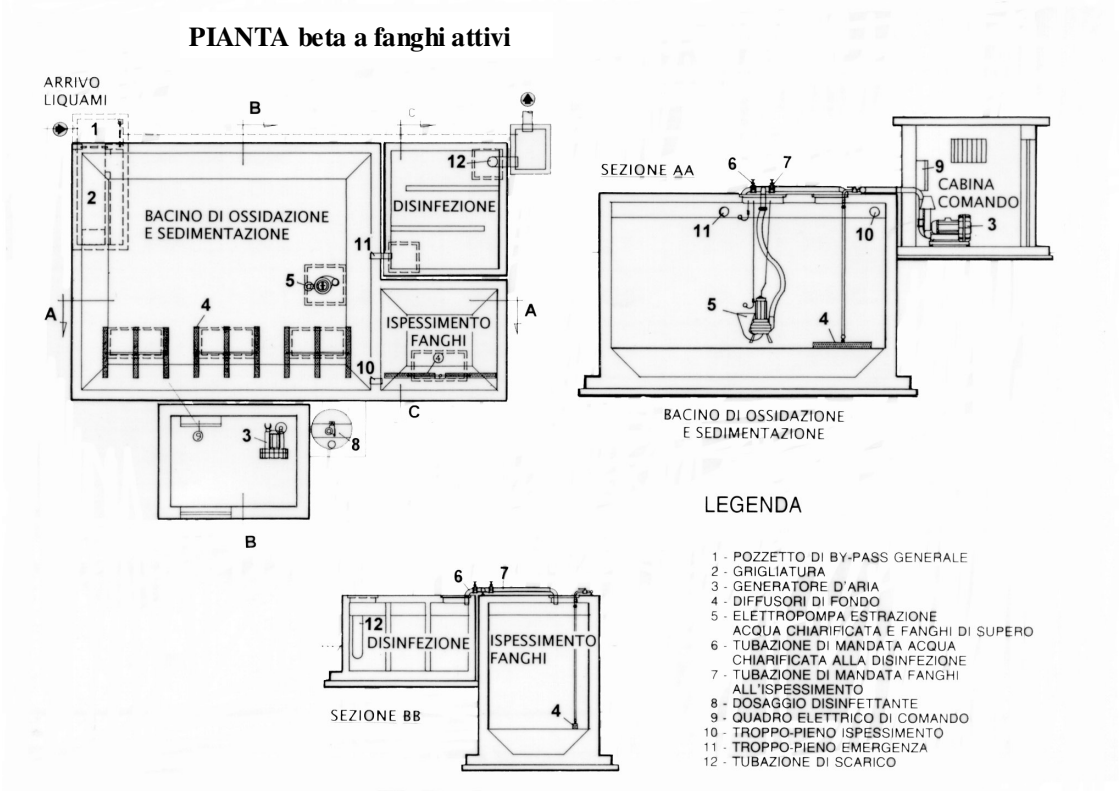
Staff canteens;

Small production sites in the canning and dairy business, wine companies, livestock farms, abattoirs, etc.

OPERATION

After it is screened to eliminate large suspended substances, the waste water enters the biological section of the plant with low organic load, for removal of the biodegradable substances and for nitrification. The nitric nitrogen, which can be legally produced in abundance, is denitrified simultaneously in the oxidization tank. Thanks to the low loads in the plant, the sludge produced is practically stabilized. The water and sludge mixture goes to the sedimentation basin where the solid particles are separated from the liquid. The final process is disinfection to eliminate any residual bacteria, coliform and streptococcus in particular.

PIANTA beta a fanghi attivi



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β

BETA MONOBLOCK

Main Features	UNIT	Dimensions

MODELS		FA20	FA30	FA50	FA75	FA100	FA125	FA150	FA175	FA200	FA250
Ab_{eq}	n°	20	30	50	75	100	125	150	175	200	250
BOD_5 trattato	kg/d	1,20	1,80	3,00	4,50	6,00	7,50	9,00	10,50	12,00	15,00
Portata ammessa giornaliera	m^3/d	3,60	5,40	9,00	13,50	18,00	22,50	27,00	31,50	36,00	45,00
Portata ammessa oraria di punta	m^3/d		0,45	0,75	1,12	1,50	1,90	2,25	2,63	3,00	3,80
Volume sedimentazione	m^3	0,85	1,20	1,90	2,86	3,74	4,60	5,40	6,50	7,10	8,24
Volume ossidazione	m^3	0,85	2,50	4,10	6,25	8,60	10,15	12,60	14,50	16,90	20,90
Potenza impegnata	kW/h	0,37	0,55	0,55	1,1	1,5	1,5	1,5	3	3	3,00
Diametro	m	1,6	1,6	2	2	2	2,5	2,5	2,5	2,5	2,50
Lunghezza	m	1,57	2,32	2,4	3,65	4,9	3,75	4,5	5,25	6	7,50
Peso in esercizio	t	3,50	5,25	8,30	12,50	16,70	19,90	23,80	27,70	31,55	39,40

Main Features	UNIT	Dimensions

MODELS		FA300	FA200/2	FA250/2	FA300/2	FA250/3	FA300/3	FA250/4	FA300/4
Ab_{eq}	n°	300	400	500	600	750	900	1000	1200
BOD_5 trattato	kg/d	18,00	24,00	30,00	36,00	45,00	54,00	60,00	72,00
Portata ammessa giornaliera	m^3/d	54,00	72,00	90,00	108,00	135,00	162,00	180,00	216,00
Portata ammessa oraria di punta	m^3/d	4,50	6,00	7,60	9,00	11,40	135,00	15,20	18,00
Volume sedimentazione	m^3	9,00	14,20	16,48	18,00	24,72	27,00	32,96	36,00
Volume ossidazione	m^3	24,00	33,80	41,80	48,00	62,70	72,00	83,60	96,00
Potenza impegnata	kW/h	3,00	6,00	6,00	6,00	9,00	9,00	12,00	12,00
Diametro	m	2,5	2X2,5	2X2,5	2X2,5	3X2,5	3X2,5	4X2,5	4X2,5
Lunghezza	m	8,75	6	7,5	8,75	7,5	8,75	7,5	8,75
Peso in esercizio	t	45,80	63,10	78,80	91,60	118,60	137,40	157,60	183,20

The company resereves the right to make modification and improvements without prior notice.

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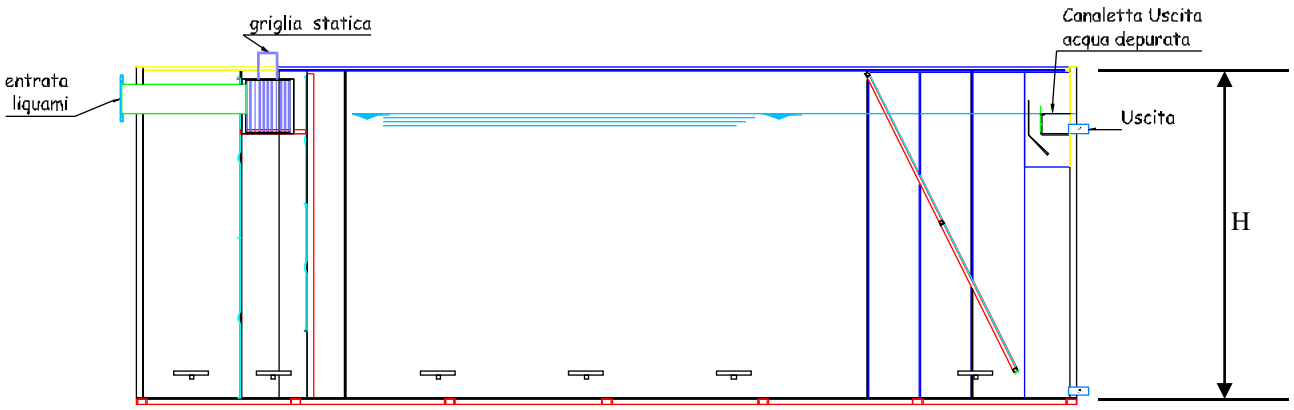
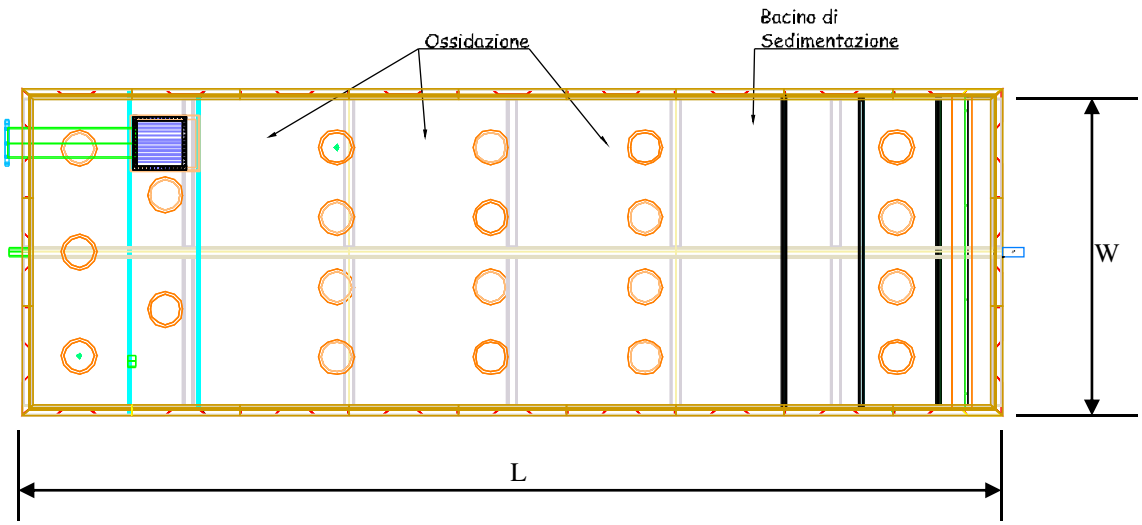
Main Features	UNIT	Dimensions

MODELS		OT10	OT15	OT20	OT30	OT40	OT50	OT60	OT75	OT100	OT125	OT150
BOD_5	kg/d	0,70	1,05	1,40	2,10	2,80	3,50	4,20	5,25	7,00	8,75	10,50
Flow rate	m^3/d	2,00	3,00	4,00	6,00	8,00	10,00	12,00	15,00	20,00	25,00	30,00
Width (W)	M	1,50	1,50	1,50	2,00	2,40	2,40	2,40	2,40	2,40	2,40	2,40
Length (L)	M	3,20	3,20	4,00	4,00	4,00	4,80	4,80	5,60	7,20	8,00	8,80
Height (H)	M	1,50	2,00	2,00	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50
Fcv	$kg/(m^3/d)$	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35
Ca	Kg	5	5	5	5	5	5	5	5	5	5	5
Power	kW	0,37	0,55	0,55	0,55	0,55	1,10	1,10	1,50	1,50	3,00	3,00





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