

LAMELLA  
CLARIFICATION UNIT  
BLADE TECH

WITH AN ATTENTIVE  
EYE TO NATURE



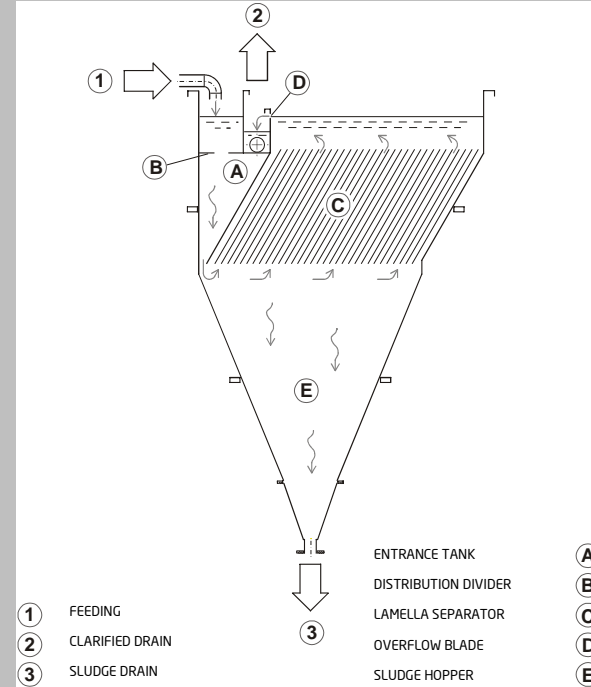
# LAMELLA CLARIFICATION UNIT BLADE TECH SERIES



## APPLICATION

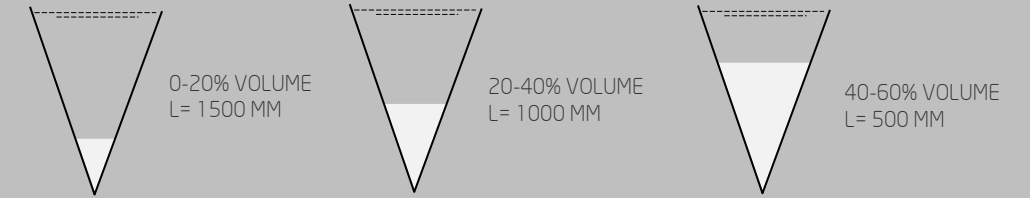
WASTE WATER AND PROCESS WATER CLARIFICATION.

## WORKING PRINCIPLES



## CRITERIA FOR CHOOSING

LAMELLA LENGHT:  
IN RELATION TO QUALITY OF SLUDGE (IMHOFF 30MM CONE)



LAMELLA SPACING:  
ACCORDING TO WASTE TIPOLOGY

EQUIVALENT SURFACE:  
ACCORDING TO FLOW AND WASTE TIPOLOGY.

RECOMMENDED SPACING				
TYPOLGY OF SEWAGE	20	40	60	80
INERT, NON FLOCCULATED	X	X		
METAL HYDROXIDE		X	X	
BIOLOGICAL SLUDGES			X	X

RECOMMENDED SPECIFIC LOAD	
TIPOLOGY OF SEWAGE	m <sup>3</sup> /m <sup>2</sup> /h
INACTIVE NON FLOCCULATED	0,2-0,10
METAL HYDROXIDE	0,5-1
BIOLOGICAL SLUDGES	0,3-0,6

MATERIALS:

STANDARD: PRFV LAMELLA - AISI 304 STRUTTURE AND TANKS  
OPTIONAL: LAMELLA: AISI 304 - AISI 316 L - PP  
TANKS: AISI 316L - PP

## OPTIONAL

PRE-TREATMENT TANKS:

TANKS COMPLETE OF AGITATORS AND INSTRUMENT FOR REAGENT DOSAGE MANAGEMENT. THEY ARE WIDELY USED TO REALIZE PHISICAL-CHEMICAL TREATMENTS PLANTS.

COALESCENCE OIL SEPARATOR:

IT IS INSTALLED AT THE ENTRANCE TO THE UNIT WHEN FLOATING ELEMENTS ARE PRESENT.

BLADE PACK:

LAMELLA PACK TO BE PLACED IN CONCRETE TANKS. THEY ARE SUPPLIED IN ASSEMBLY KIT, REDUCING AMOUNT OF SPACE DURING THE TRANSPORT.



MODELS	EQ. SURFACE Mq	SPACING mm.	GRADE
Blade Tech 4/0,5/20	1,4	20	60°
Blade Tech 4/0,5/40	0,7	40	60°
Blade Tech 4/0,5/60	0,4	60	60°
Blade Tech 4/0,5/80	0,2	80	60°
Blade Tech 6/0,5/20	3	20	60°
Blade Tech 6/0,5/40	1,5	40	60°
Blade Tech 6/0,5/60	0,8	60	60°
Blade Tech 6/0,5/80	0,4	80	60°
Blade Tech 9/0,5/20	8	20	60°
Blade Tech 9/0,5/40	4	40	60°
Blade Tech 9/0,5/60	3	60	60°
Blade Tech 9/0,5/80	2	80	60°
Blade Tech 9/1/20	16	20	60°
Blade Tech 9/1/40	8	40	60°
Blade Tech 9/1/60	6	60	60°
Blade Tech 9/1/80	4	80	60°
Blade Tech 12/0,5/20	14	20	60°
Blade Tech 12/0,5/40	7	40	60°
Blade Tech 12/0,5/60	6	60	60°
Blade Tech 12/0,5/80	4	80	60°
Blade Tech 12/1/20	28	20	60°
Blade Tech 12/1/40	14	40	60°
Blade Tech 12/1/60	11	60	60°
Blade Tech 12/1/80	7	80	60°

MODELS	EQ. SURFACE Mq	SPACING mm.	GRADE
Blade Tech 16/0,5/20	26	20	60°
Blade Tech 16/0,5/40	13	40	60°
Blade Tech 16/0,5/60	10	60	60°
Blade Tech 16/0,5/80	7	80	60°
Blade Tech 16/1/20	52	20	60°
Blade Tech 16/1/40	26	40	60°
Blade Tech 16/1/60	20	60	60°
Blade Tech 16/1/80	13	80	60°
Blade Tech 16/1,5/20	78	20	60°
Blade Tech 16/1,5/40	39	40	60°
Blade Tech 16/1,5/60	30	60	60°
Blade Tech 16/1,5/80	19,5	80	60°
Blade Tech 22/0,5/20	46	20	60°
Blade Tech 22/0,5/40	23	40	60°
Blade Tech 22/0,5/60	18	60	60°
Blade Tech 22/0,5/80	12	80	60°
Blade Tech 22/1/20	91	20	60°
Blade Tech 22/1/40	46	40	60°
Blade Tech 22/1/60	35	60	60°
Blade Tech 22/1/80	23	80	60°
Blade Tech 22/1,5/20	137	20	60°
Blade Tech 22/1,5/40	69	40	60°
Blade Tech 22/1,5/60	52	60	60°
Blade Tech 22/1,5/80	35	80	60°