


# Tube Settler Media / Tube Deck Media

## Technical Datasheet: -

DESIGN DATA	
Model	BI-TSM-120
SETTLING AREA	60 Degree Slope : 11.0 m <sup>2</sup> / m <sup>3</sup>
	55 Degree Slope: 13.0 m <sup>2</sup> / m <sup>3</sup>
CROSS SECTIONAL AREA	120 mm X 44 mm
SHAPE	HEXAGONAL CHEVRON
HYDRAULIC RADIUS	1.5 cm
PRODUCT DATA	
MOC OF MEDIA	PVC
THICKNESS	1.0 mm - 1.1 mm
FITTING ARRANGMENT	TONGUE & GROOVE
MAX CONTINUOUS OPERATING TEMPERATURE	55 DEGREE CELSIUS
COLOUR	BLACK
DISTANCE BETWEEN ADJACENT TUBES	HORIZONTAL : 120 mm
	VERTICAL: 44 mm
SEPERATOR HEIGHT	500 mm : 5.5M <sup>2</sup> Settling Area/m <sup>2</sup>
	750 mm : 8.25 m <sup>2</sup> SETTLING AREA/m <sup>2</sup>
	1000 mm : 11 m <sup>2</sup> SETTLING AREA/m <sup>2</sup>



PVC tube settlers for solid liquid separation in water and wastewater treatment plants are called Tube Settler Media. It is a very high efficiency solid-liquid separator. This is due to the fact that its shape is hexagonal-chevron type that has got highest efficiency of separation among all other shapes available i.e. square, rectangular or hexagonal. Its area of application includes primary and secondary settling in water as well as wastewater treatment plants with any type of secondary treatment.

Traditional sedimentation tanks or clarifiers are large structures, occupying much valuable space, are perceived as high investment cost items.

Tube Settler media helps to reduce the amount of suspended solids in carrier fluids; thus improving effluent quality; which in turn improves the efficiency of existing plants.

## Features:

- Increases the capacity of Clarifier
- Increases the effective surface area of basin
- Decreases the effective particle Settling distance drastically
- It enhances the particle agglomeration and growth, bringing particles into closer contact with each other at the bottom of the tube
- Unique hexagonal chevron configuration for superior settling applications



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